



010

1991 SUMMARY REPORT

THE RESULTS OF A DIAMOND DRILLING PROGRAM  
ON THE TULLY TOWNSHIP PROPERTY,  
PORCUPINE MINING DIVISION,  
ONTARIO

NTS: 42A\14  
LATITUDE: 48 46'N  
LONGITUDE: 81 08'W  
OWNER: HOMESTAKE CANADA LTD.  
BY: DUNCAN MCIVOR  
DATE: MAY, 1991

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## 1. SUMMARY AND RECOMMENDATIONS

The Tully Property of Homestake Canada Ltd. is located 35 kilometres north-northeast of the city of Timmins, in northeastern Ontario. The property is comprised of 47 contiguous unpatented mining claims, 23 of which are at point of lease.

Previous exploration activity on the property, primarily by Hollinger Mines Ltd., and Esso Minerals Canada, had defined a northwest-southeast trending major fault zone, marking the contact between massive mafic metavolcanics to the northeast, and a complex intercalated sequence of epiclastic and volcanoclastic sediments, and komatiitic\calc-alkalic flows to the southwest. Along the deformation zone associated with the major fault are localized zones of intense hydrothermal alteration, and in some cases significant secondary quartz-carbonate veining, sulphide mineralization, and highly anomalous gold values.

During the period February 08 through April 03, 1991, Homestake Canada Ltd. completed a ten hole, 1944.4 metre (6,379 feet) drilling program on the property.

Two holes targeted a potential eastern extension of the previously defined structure, 1900 metres to the southeast of all previous drilling on the zone. Hole T-91-01 intersected a footwall assemblage of interbedded altered epiclastic and volcanoclastic sediments, and the targeted deformation zone appears to have been overshot.

Eight holes targeted the immediate strike extensions of the mineralized zone, over a strike length of 610 metres. All holes successfully intersected the targeted horizon, though gold values were generally poor within the altered, veined, and mineralized deformation zone. The best individual assay was only 7.01 gpt\0.5 metres, and the best section returned only 2.8 gpt\5.3 metres. These low, sporadic grades, within an intensely fractured horizon exhibiting an RQD in excess of 50 fractures per metre, indicate that there is little potential in the zone drilled to date. The horizon does appear, however, to extend at least another 800 metres to the southeast, where no previous drilling has tested the favourable lithostructural zone. A seven hole, 1500 metre diamond drilling program is proposed to evaluate this portion of the fault, at a cost of \$125,650.

## 2. INTRODUCTION

### 2.1 LOCATION, AREA, AND ACCESS

The Tully property of Homestake Canada Ltd. is located 35 kilometres NNE of Timmins, Ontario, within the NTS 42A\14 (Buskegau River) 1:50,000 topographic map sheet.

The property is covered by a large, poorly drained spruce and alder swamp, which was partially harvested in the late 1960's. Outcrop constitutes <1% of the ground, the remainder being covered by glacial sediments to depths often in excess of 100 metres.

Access to the property is variable, depending on the season. The property can be reached via Highway 101 east from Timmins to Hoyle (25 kilometres), then north on Highway 610 to Ice Chest Lake Road (28 kilometres). That road, and several secondary gravel roads, extend north into Little Township, from which a gravel road branches west onto the property. Several bridges crossing the Buskegau River have been washed out approximately three kilometres east of the property, restricting summer vehicle access to that point. Winter roads from several locations cross the property, both from the east and west, and drill access during freeze conditions is relatively good.

Figures 1 and 2 illustrate the location of the property.

### 2.2 PROPERTY DEFINITION

The property is comprised of 47 contiguous claims, all located in Tully Township of the Porcupine Mining Division. Twenty three of the claims are held under Lease 103940 from the Ministry of Natural Resources. Table 1 summarizes the status of all claims that comprise the property, and Figure 3 illustrates their respective locations.



Ministry of  
Northern Development  
and Mines

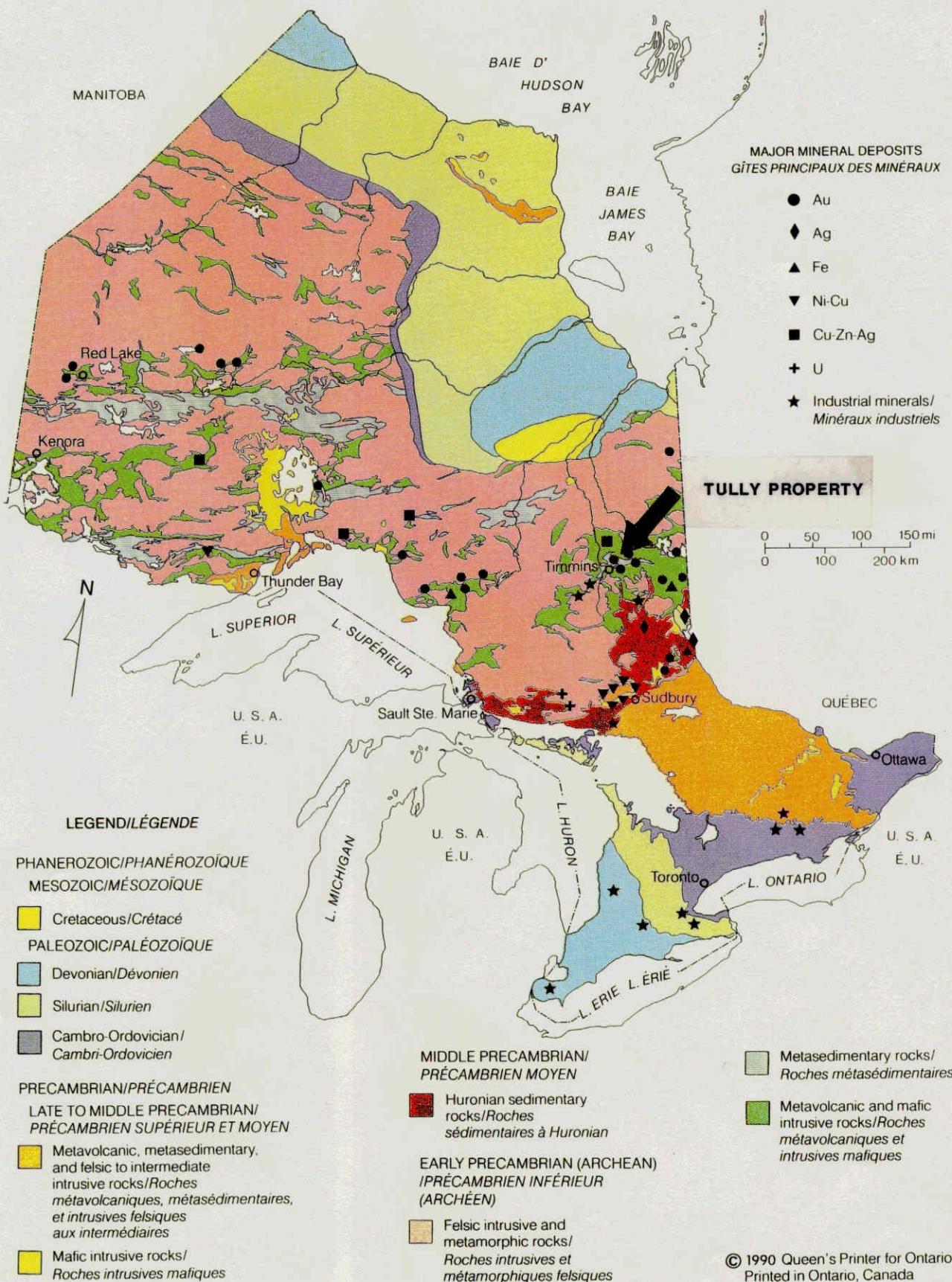
Ministère du  
Développement du Nord  
et des Mines

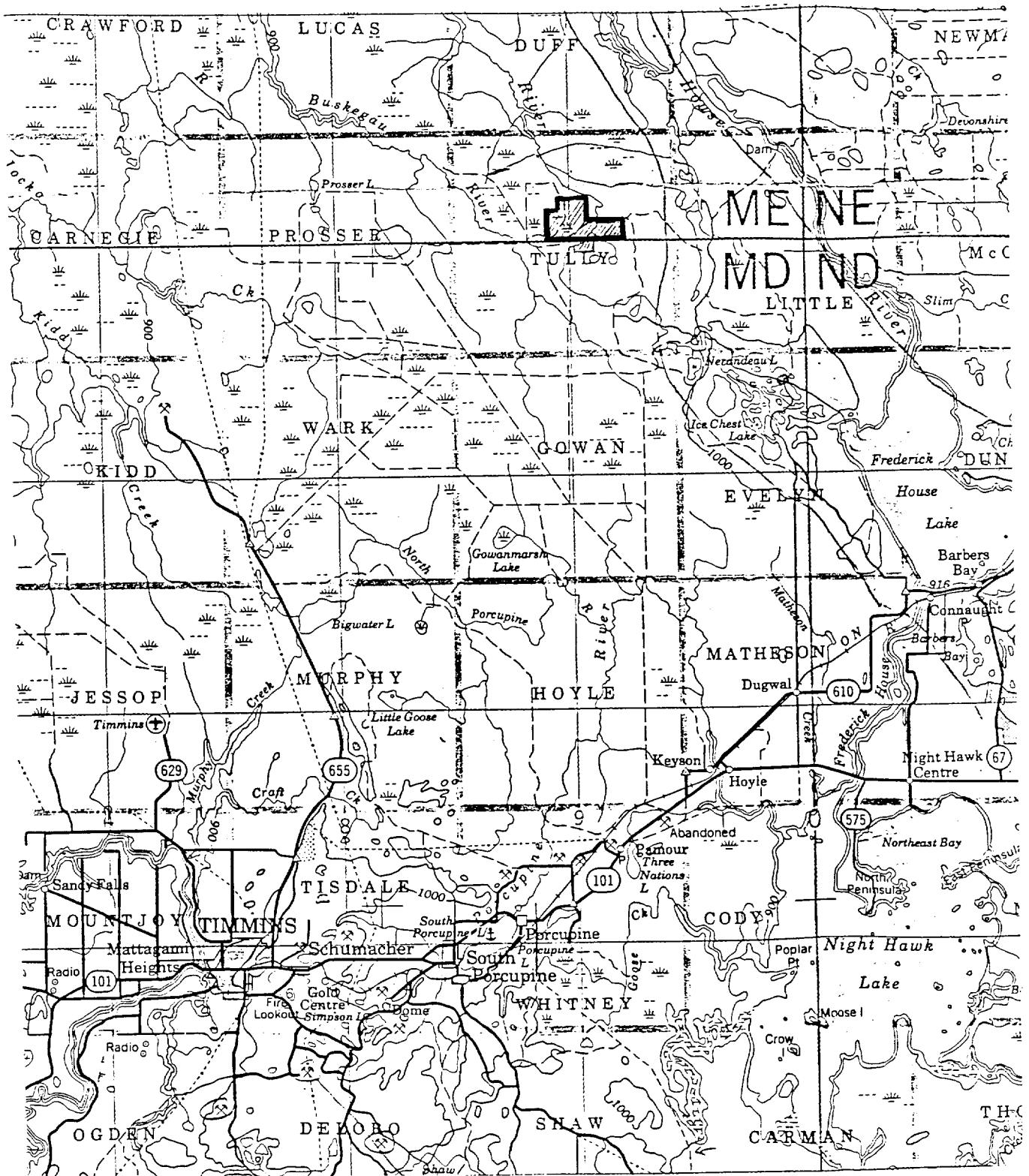
Hugh P O'Neil  
Minister of Mines  
Ministre des Mines

FIGURE 1

# GEOLOGY AND PRINCIPAL MINERALS OF ONTARIO

## GÉOLOGIE ET MINÉRAUX PRINCIPAUX DE L'ONTARIO





Scale 1:250,000 Échelle

Miles 5 0 5 10 15 20 25 30 Miles  
Kilometres 5 0 5 10 15 20 Kilometres

**FIGURE 2** Tully 1 Location Map

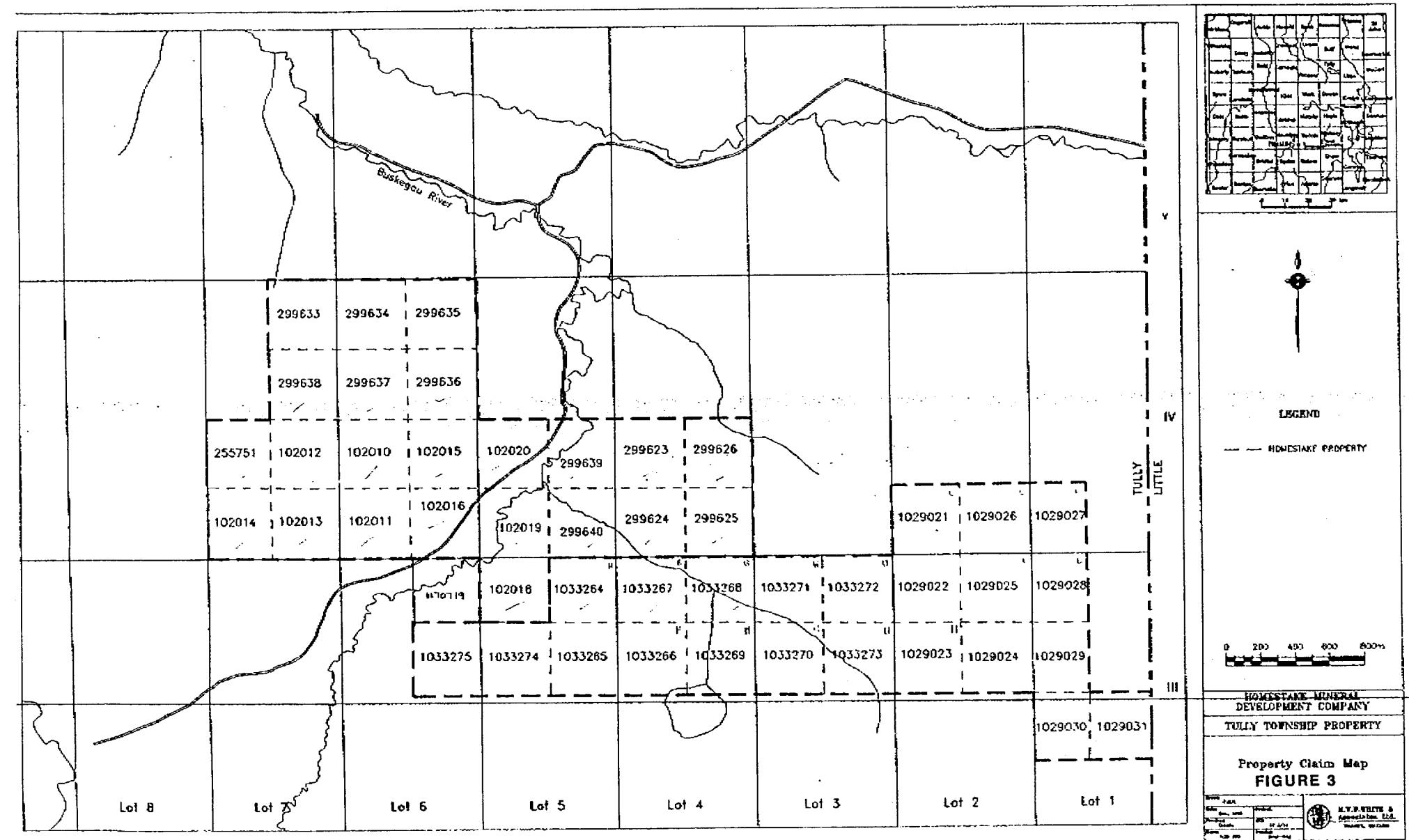


TABLE 1  
SUMMARY OF CLAIMS STATUS  
TULLY TOWNSHIP PROPERTY

<u>CLAIM NO.</u>	<u>RECORDING DATE</u>	<u>ASSESSMENT CREDITS</u>	<u>EXPIRY DATE</u>
102010	Feb.12, 69	At Lease	Dec. 01, 2004
102011	Feb.12, 69	At Lease	Dec. 01, 2004
102012	Feb.12, 69	At Lease	Dec. 01, 2004
102013	Feb.12, 69	At Lease	Dec. 01, 2004
102014	Feb.12, 69	At Lease	Dec. 01, 2004
102015	Feb.12, 69	At Lease	Dec. 01, 2004
102016	Feb.12, 69	At Lease	Dec. 01, 2004
102018	Feb.12, 69	At Lease	Dec. 01, 2004
102019	Feb.12, 69	At Lease	Dec. 01, 2004
102020	Feb.12, 69	At Lease	Dec. 01, 2004
255751	May 20, 70	At Lease	Dec. 01, 2004
299623	Dec.14, 70	At Lease	Dec. 01, 2004
299624	Dec.14, 70	At Lease	Dec. 01, 2004
299625	Dec.14, 70	At Lease	Dec. 01, 2004
299626	Dec.14, 70	At Lease	Dec. 01, 2004
299633	Oct.26, 70	At Lease	Dec. 01, 2004
299634	Oct.26, 70	At Lease	Dec. 01, 2004
299635	Oct.26, 70	At Lease	Dec. 01, 2004
299636	Oct.26, 70	At Lease	Dec. 01, 2004
299637	Oct.26, 70	At Lease	Dec. 01, 2004
299638	Oct.26, 70	At Lease	Dec. 01, 2004
299639	Dec.14, 70	At Lease	Dec. 01, 2004
299640	Dec.14, 70	At Lease	Dec. 01, 2004
1029021	Mar.24, 88	100	Mar. 24, 92
1029022	Mar.24, 88	100	Mar. 24, 92
1029023	Mar.24, 88	100	Mar. 24, 92
1029024	Mar.24, 88	100	Mar. 24, 92
1029025	Mar.24, 88	100	Mar. 24, 92
1029026	Mar.24, 88	100	Mar. 24, 92
1029027	Mar.24, 88	100	Mar. 24, 92
1029028	Mar.24, 88	100	Mar. 24, 92
1029029	Mar.24, 88	100	Mar. 24, 92
1029030	Mar.24, 88	100	Mar. 24, 92
1029031	Mar.24, 88	100	Mar. 24, 92
1033264	Mar.24, 88	100	Mar. 24, 92
1033265	Mar.24, 88	100	Mar. 24, 92

<u>CLAIM NO.</u>	<u>RECORDING DATE</u>	<u>ASSESSMENT CREDITS</u>	<u>EXPIRY DATE</u>
1033266	Mar.24, 88	140	Mar. 24, 93
1033267	Mar.24, 88	140	Mar. 24, 93
1033268	Mar.24, 88	140	Mar. 24, 93
1033269	Mar.24, 88	140	Mar. 24, 93
1033270	Mar.24, 88	140	Mar. 24, 93
1033271	Mar.24, 88	140	Mar. 24, 93
1033272	Mar.24, 88	141.5	Mar. 24, 93
1033273	Mar.24, 88	100	Mar. 24, 92
1033274	Mar.24, 88	100	Mar. 24, 92
1033275	Mar.24, 88	100	Mar. 24, 92
1170719	Jan.11, 91	0	Jan. 11, 92

Note that Labrador Mining and Exploration Ltd. retain a 12.5% net profits interest in the 23 leased claims of the property.

### 2.3 REGIONAL GEOLOGIC SETTING

The Tully property lies within the Archean Abitibi greenstone belt. Little outcrop is exposed in the region, and as such no detailed geological maps are available, and the regional geological interpretation is based predominantly on geophysical data and limited diamond drilling. OGS Map 2205 shows the northern half of Tully township underlain by felsic volcanic rocks, and the southern half by tholeiitic and komatiitic mafic to ultramafic volcanics, with minor intercalated epiclastic sediments. A regional lineament known as the Buskegau Fault trends NNW-SSE across the region, crossing the western portion of the Tully property. Several north-south trending faults locally offset stratigraphy.

Previous geological compilations by Shegelski (1985) and Bending (1990) indicate a convergence of NW and EW trending structural trends in the central portion of Tully Township, within the confines of the property. This feature is thought to be the result of open flexural folding, though it may be caused by fault transposition on a regional scale.

The property itself is underlain predominantly by a sequence of ENE trending tholeiitic mafic flows, with minor intercalated intermediate to felsic metavolcanics and volcanoclastic fragmental rocks. Within the sequence are several komatiitic flows, as well as discrete, ovoid ultramafic bodies that are probably intrusive. The stratigraphy is cut by a distinct 120 degree trending fault that crosses the southwestern portion of the claim block. This fault marks the sharp contact between mafic volcanics to the north, and a sequence of graphitic metasediments and coarse volcanoclastic rocks to the south, that appear to be a thin structurally introduced wedge. The fault\shear system has been the historical focus of gold exploration in the region, and continued to be the target of Homestake's 1991 exploration program. Figures 4 and 5 illustrate the regional geological setting of the Tully property, as well as the location of some of the previous exploration activity in the area, as discussed in the following section of this report.

### 2.4 PREVIOUS EXPLORATION ACTIVITY

Bending (1991) has summarized previous exploration activity in the area as follows;

" Early exploration work concentrated on airborne and ground geophysics to evaluate base metal potential. Poor exposure and skeletal assessment reporting has led to an incomplete geological database for the area. Most of the surrounding townships are patented land.

Diamond drilling to test conductive responses led to the fortuitous discovery of the Nickel Offsets, Abitibi-Price (Lucas), Texmont, and Frankfield gold deposits during 1969-1970. The area has subsequently been covered by several generations of geophysics and reverse circulation drilling by Saimin, Cominco, Western Mines, Abitibi-Price, and Kidd Creek Mines. The record of the overburden drilling is incomplete.

Newmont Mines and Dupont Exploration Ltd. evaluated numerous properties in central and northern Tully Township as part of the Buskegau Project between 1981 and 1983. The work identified anomalous gold concentrations along two northwest trending lithostructural arrays called the Northern and Southern Trends.

The Newmont-Dupont Southern Gold Trend includes intersections west of the HCL Tully claims and coincides with strike extensions of the HCL "Discovery Zone". It is presently interpreted to be a northeast dipping reverse or thrust fault which disrupts one limb of a southeast trending anticline. Gold values were reported within the northeast, or upper structural block. The best intersection reported from the Newmont drilling along the Southern Trend was 7.2 gpt Au\1.5 metres.

The Newmont-Dupont Northern Gold Trend consists of a series of conformable cherty and pyritic zones in variably graphitic felsic volcanic rocks. This includes the Abitibi-Price Lucas Discovery (5.14 gpt Au\8.23 metres) 20 kilometres northeast of the HCL Tully claims. The most significant indication of the north trend in the immediate vicinity of the HCL claims was Newmont-Dupont drill hole 255B-01-01, with an intersection of 5.46 gpt Au\4 metres. Subsequent drilling showed uneconomic gold concentrations 50 metres down dip and 200 metres along strike, but the anomalous horizon remains incompletely tested. Some short untested sections of the north trend traverse the north and east portions of the HCL Tully property.

The Nickel Offsets prospect has been subjected to extensive ground geophysics and diamond drilling through a joint venture with Noranda. The work has defined an uneconomic resource in a structurally complex setting. Further exploration work is warranted but will involve significant expenditures.

The Texmont and Frankfield Zones have been advanced through several phases of diamond drilling to suggest good exploration potential but significant metallurgical problems. Encouraging deep drilling results from the Frankfield Zone have stimulated renewed interest in the district.

#### Local Activity

- 1964: Texasgulf Exploration; airborne geophysics, VEM and magnetic surveys, three diamond drill holes totalling 387 metres to test conductors associated with magnetic responses. All three holes within upper plate sequence, conductors explained as graphitic argillite. No gold assays reported, no permissive alteration.
- 1969: United Comstock Lode Mines completed three diamond drill totalling 1300 feet (locations uncertain). Gold assays reported for short intervals showed nil values.
- Cincinnati Porcupine Gold Mines Ltd. intersected anomalous gold values (3.43 gpt\0.31 metres) drilling west of the present HCL Tully Property. The gold was localized between graphitic breccia and quartz-carbonate altered mafic rocks.
- Labrador Mining and Exploration (Hollinger Mines) staked 23 claims in February 1969. The property was covered by line cutting, magnetic and HLEM surveys.
- 1970: Labrador Mining completed three diamond drill holes totalling 337.4 metres. DDH TU1-3-70 intersected 2.5 gpt\6.6 metres, including 13.7 gpt\3.1 metres.
- 1972: Labrador Mining completed two diamond drillholes totalling 237.4 metres. DDH TU1-4-72 intersected the western extension of the carbonatized shear zone in Hole 3, but the highest gold value documented was 0.34

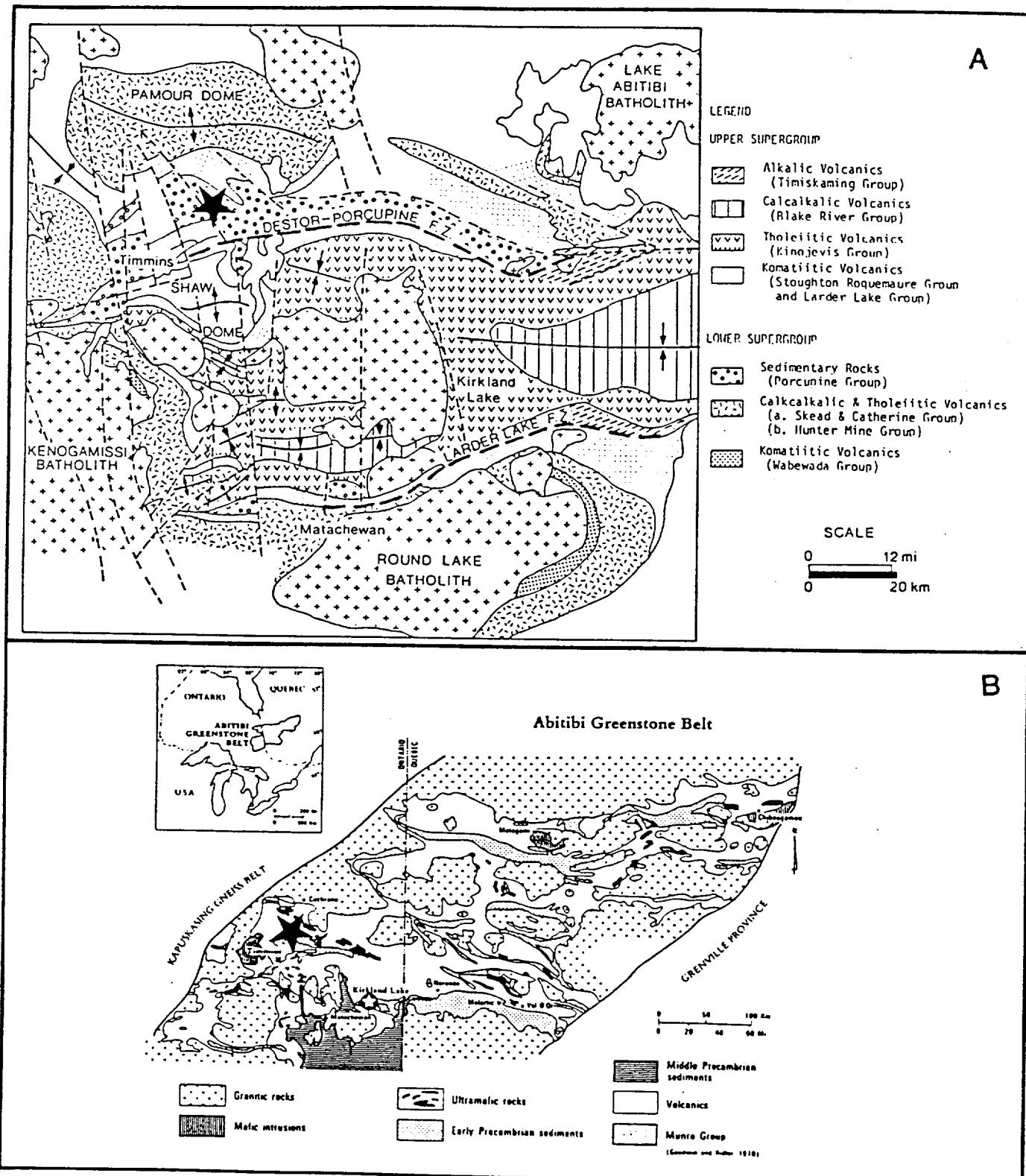
gpt\0.91 metres. The assay record for these holes is incomplete, with some sections logged as graphitic tuff with arsenopyrite needles and altered dacite showing no analyses.

- 1973: Labrador Mining completed two holes totalling 362.4 metres. TU1-6-73 tested the shear zone along an ultramafic contact west of hole 4, and was lost in broken ground within the target structure. Although the logs indicate extensive sampling, the only assay reported was 1.72 gpt in a selected sample taken for thin section analysis. TU1-7-73 tested the shear zone at the western property boundary. The log and sample record shows extensive favourably altered and pyritic intervals sampled with no assays reported.
- 1987: Esso Minerals completed programs of line-cutting and Genie EM surveying on a small portion of the claims, and completed a six hole diamond drilling program totalling 756.7 metres to examine the immediate vicinity of the intersection in Hollinger Hole TU1-3-70. This program confirmed the presence of a wide zone of carbonate-silica +/- sulphide alteration and a quartz vein with locally visible gold.
- 1988: Esso Minerals staked 23 claims to the SE of the leased claims to protect the extension of the EM anomalous trend, as defined by newly released airborne geophysical surveys.
- 1989: Homestake completed a program of line-cutting, magnetic and HLEM surveys to cover the new 23 claims."

Table 2 summarizes anomalous drill intersections on the property, prior to the 1991 drilling program by Homestake Canada Ltd.

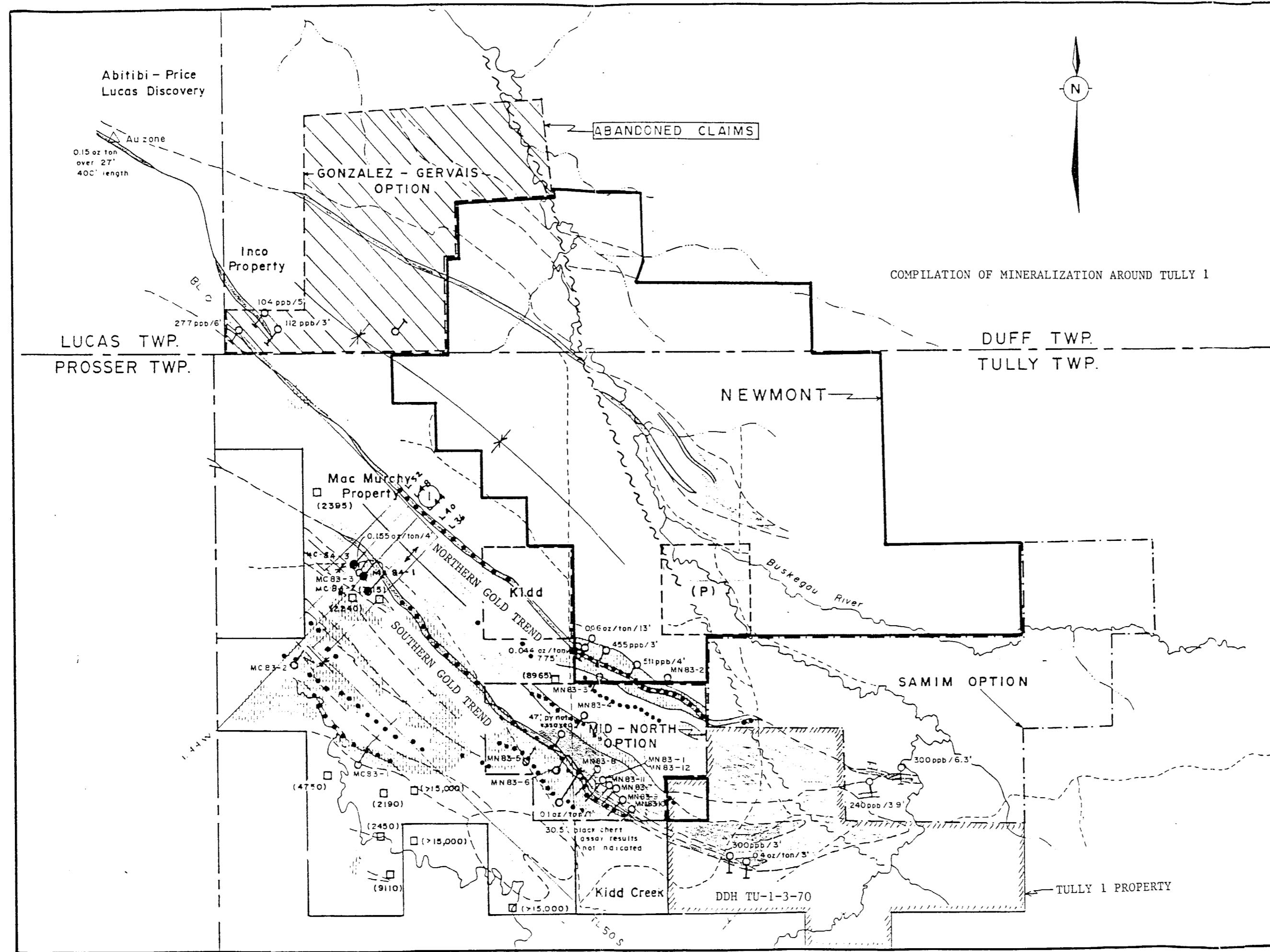
TABLE 2  
SUMMARY OF ANOMALOUS INTERSECTIONS (>1.0 GPT Au)  
PRE-1991 DIAMOND DRILLING  
 (Note all Linear Units are Imperial)

<u>HOLE NO.</u>	<u>FROM</u>	<u>TO</u>	<u>WIDTH</u>	<u>ASSAY</u>	<u>CATEGORY</u>	<u>COMMENTS</u>
TU1-3-70	220.0	223.0	3.0	13.72	MIN.	Au in Qtz.Vn.
TU87-01	219.0	228.0	9.0	3.07	MIN.	Qtz. Veins in Carb.Maf.Volc.
	243.7	248.3	4.6	2.75	ANOM.	"
TU87-02	214.0	220.7	6.7	26.76	ORE	Au in Qtz. Vn.
TU87-03	265.5	268.0	2.5	2.22	ANOM.	Carb.Maf.Volc.
TU87-04	197.2	200.2	3.0	4.46	MIN.	Au in Qtz.Vn.



Tully Property Location Map

**FIGURE 4**



## COMPILATION OF MINERALIZATION AROUND TULLY 1

LEGEND

-  CHERT  
 SEDIMENTS  
 SULPHIDE - CHERT HORIZON  
 OXIDE IRON FORMATION  
 FELSIC - INTERMEDIATE VOLCANICS  
 MAFIC VOLCANICS  
 ULTRAMAFIC VOLCANICS  
 --- GEOLOGICAL BOUNDARY  
 ~~~ FAULT  
 SYNCLINAL AXIS  
 GOLD SHOWING  
 DIAMOND DRILL HOLE  
 ----- TRAIL  
 (P) PATENT LAND  
 \*\*\*\*\* MAX MIN ANOMALIES  
 IP ANOMALY

 GOLD OVERBURDEN VALUE IN ppb  
 PROPOSED DRILL HOLE  
 MN 84 !  
 COMPLETED DSH 1984

## TULLY PROJECT AREA

**ONTARIO**

N.T.S. 42 A/II,14

0            1/2            1            1 1/2 miles

**FIGURE 5**

### FIGURE 5

## 2.5 1991 PROGRAM OUTLINE

During the period February 8 through to April 03, 1991, a ten hole, 1944.4 metre (6,379 feet) diamond drilling program was completed on the property, in two stages. From February 04 to February 28, an eight hole, 1326.4 metre program was completed (DDH T-91-01L, T-91-01 through 07) on the property. A second follow up program, which consisted of two additional holes and the deepening of two holes, was completed during the period March 13 to April 03.

In addition to the diamond drilling program, approximately 15 line kilometres of grid were re-established on the property, to provide control during drilling.

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

### 3.0 DETAILED TECHNICAL DATA

#### 3.1 DIAMOND DRILLING RESULTS

As mentioned, a ten hole, 1944.4 metre diamond drilling program was completed on the property during the period February to April, 1991.

All detailed diamond drill logs appear in Appendix 1. Sections appear in Appendix 2. The raw geochemical data appears in Appendix 3, as well as on all drill logs, and, where appropriate, on drill sections. A detailed 1:1000 plan projection of the majority of the drilling appears in Appendix 4. Appendix 5 contains a 1:5,000 compilation of the property, including the location of all drill holes, and all proposed drill holes.

Table 3 summarizes all collar locations and depths. Table 4 summarizes all anomalous intersections (> 1.0 gpt Au) encountered during the program.

Outlined below is a hole by hole description of the 1991 diamond drilling program.

#### DDH T-91-01(L)

COLLAR: L7+20W, 3+75N (METRIC GRID)

AZIMUTH: 210 DEGREES

DIP: - 50 DEGREES

LENGTH: 52.4 METRES

TARGET: This hole was designed to test an interpreted southeastern extension of the fault\shear zone identified by Hollinger\Esso drilling, 1900 metres to the northwest. The inferred structure was identified based on detailed ground magnetics data, where a 140 degree trending sharp linear transition from a zone of flat magnetic relief, to one of abruptly higher relief, occurs. The hole was also designed to test a short strike length, weak HLEM anomaly, located parallel to and immediately northeast of the interpreted magnetic lineament.

#### LITHOLOGIES SUMMARY (All intervals in metres)

0.00 - 52.4 Overburden  
EOH

This hole was lost in overburden, when the B casing snapped at 52.4 metres.

T-91-01

COLLAR: L7+20W, 3+75 NORTH (METRIC GRID)

AZIMUTH: 210 DEGREES

DIP: -50 DEGREES

LENGTH: 320.0 METRES

TARGET: The target of this hole is identical to that outlined for hole T-91-01(L). The head was simply steepened on the same set up when the first hole was lost.

LITHOLOGIES SUMMARY (All intervals in metres)

|              |                                                                                       |
|--------------|---------------------------------------------------------------------------------------|
| 0.00 - 70.3  | Overburden                                                                            |
| 70.3 - 71.0  | Qtz.-Carb. Vned, Graphitic Argillite                                                  |
| 71.0 - 78.3  | Amygdaloidal Basalt                                                                   |
| 78.3 - 80.9  | Mod. Sericitized, Carbonatized Basalt                                                 |
| 80.9 - 84.0  | Qtz.-Carb. Vned, Strongly Sericitized, Carbonatized Volcanic Fragmental\Breccia       |
| 84.0 - 87.5  | Intensely Sheared, Sericitized Volcanic Fragmental                                    |
| 87.5 - 96.0  | Strongly Chloritized Coarse Volcanoclastic\Epiclastic Rock (Agglomerate\Conglomerate) |
| 96.0 - 104.4 | Graphitic Breccia\Fault Gouge                                                         |
| 104.4-106.7  | Intensely Sericitized, Fe Carbonatized Rock                                           |
| 106.6-111.0  | Strongly Sericitized Mafic Volcanic                                                   |
| 111.0-112.9  | Brecciated Sericitized, Carbonatized Mafic Volcanic                                   |
| 112.9-113.1  | Graphitic Argillite                                                                   |
| 113.1-115.5  | Brecciated, Sericitized mafic Volcanic                                                |
| 115.5-199.5  | Pillowed, Amygdaloidal Basalt                                                         |
| 199.5-210.5  | F.G. Crystalline Basalt                                                               |
| 210.5-293.0  | Weakly Altered, Variably Brecciated Basalt                                            |
| 293.0-295.7  | Sheared, Chloritized Basalt                                                           |
| 295.7-320.0  | F.G. Crystalline Basalt                                                               |

EOH

This hole intersected, between 70.3 and 115.5 metres, a sequence of intercalated strongly sheared and altered mafic volcanics and volcanoclastic\epiclastic sediments that characterize the targeted fault zone some 2 kilometres to the northwest. One distinct zone of

fault gouge was noted between 96.0 and 104.4 metres, and the interpreted extension of the zone was successfully identified. Of notable variance in this hole was the presence of a relatively undeformed and unaltered mafic volcanic "footwall", whereas to the northwest the footwall is usually volcanoclastic fragmental rocks. It is probable that this hole has penetrated much deeper (south) into the footwall stratigraphy, and has come out of the broad zone of deformation and alteration associated with what appears to be an anastomosing shear system.

While several zones of intense alteration, typically sericite and Fe carbonate, with lesser silica and sulphide mineralization, were noted around the major fault, no significantly elevated gold values were returned from the 110 samples split for analysis in this hole. The best analysis, of 346 ppb Au, came from the uppermost 0.7 metres of core drilled in the hole, a quartz-carbonate veined graphitic metasediment. This tenure of gold is common through the main mineralized zone to the northwest, in graphitic metasediments and shears, and only where significant silicification accompanies the sericite-carbonate alteration, particularly if sulphide mineralization in the form of pyrite and arsenopyrite are present in excess of 5%, do gold values approach economic grade. This typically occurs almost immediately at the first mafic volcanic-sediment\volcanoclastic contact, a stratigraphic horizon not seen in this hole, and it may be that the most prospective stratigraphy was overshot. Any additional drilling on the property should include a hole designed to step back from this one, and in section drill through the inferred contact immediately north of the stratigraphy intersected in T-91-01.

#### DDH T-91-02

COLLAR: L0+00E, 14+00N (IMPERIAL GRID)

AZIMUTH: 180 DEGREES

DIP: -50 DEGREES

LENGTH: 146.0 METRES

TARGET: This hole was designed to step 122 metres east and along strike from intersections in Holes TU1-3-70 and T-87-01, and 91.44 metres east and along strike from intersections in Hole T-87-03. These three holes delineated a complex interdigitated structural sequence of intensely altered (carbonate-sericite-silica-sulphides) mafic metavolcanics and epiclastic metasediments,

at the stratigraphic contact between massive leucoxene bearing tholeiitic mafic metavolcanics to the north, and coarse volcanoclastic fragmental rocks to the south. Previous drilling indicated the contact is a structural transposition of two dramatically different stratigraphic assemblages, that in holes TU1-3-70 and T-91-01 appears to dip at a very shallow angle from 45 to 25 degrees to the north. Gold mineralization occurs as both free gold in thin quartz veins within the intensely altered sequence, and associated with disseminated pyrite and arsenopyrite within the altered sequence. Assays to as high as 2.5 gpt Au\6.6 metres, including 13.7 gpt Au\0.91 metres in hole TU1-3-70, 2.7 gpt Au\2.75 metres in hole T-87-01, and 1.6 gpt Au\1.0 metres in hole T-91-03 were returned from the altered horizon. The hole was targeted using an HLEM conductor associated with graphitic shears and graphitic argillaceous metasediments within and immediately below the structural zone of interest, as well as a truncated strong ovoid magnetic signature reflecting the termination of a local ultramafic body (emplacement genesis uncertain) against the structural zone.

#### LITHOLOGIES SUMMARY (All intervals in metres)

|             |                                                                                        |
|-------------|----------------------------------------------------------------------------------------|
| 0.00 - 26.2 | Overburden                                                                             |
| 26.2 - 30.0 | Massive F.G. Crystalline Basalt                                                        |
| 30.0 - 59.0 | Amygdaloidal and Variolitic Basalt                                                     |
| 59.0 - 65.6 | Weakly Bleached, Altered Amygdaloidal Basalt                                           |
| 65.6 - 66.0 | Graphite                                                                               |
| 66.0 - 73.5 | Talc Altered Ultramafic                                                                |
| 73.5 - 76.5 | Intensely Talc Altered Ultramafic                                                      |
| 76.5 - 82.0 | Talc Altered Ultramafic                                                                |
| 82.0 - 88.4 | Moderately Bleached, Altered Mafic Volcanic                                            |
| 88.4 - 91.4 | Intensely Bleached, Silica-Fe Carbonate Altered<br>Mafic Volcanic                      |
| 91.4 - 91.8 | Fuchsite Quartz-Carbonate Veined Intensely Silica-<br>Carbonate Altered Mafic Volcanic |
| 91.8 - 92.6 | Intensely Silica-Fe Carbonate Altered Mafic Volcanic                                   |
| 92.6 - 93.1 | Graphitic, Siliceous Argillite                                                         |
| 93.1 - 97.6 | Variably Silicified, Brecciated Intermediate to<br>Mafic Volcanic                      |
| 97.6 - 99.3 | Graphitic Mud\Gouge                                                                    |
| 99.3 -101.3 | Intensely Brecciated, Fe Carbonate Altered Mafic<br>Volcanic                           |
| 101.3-103.6 | Graphitic Mud\Gouge\Argillite                                                          |
| 103.6-105.0 | Mineralized, Strongly Silicified, Carbonatized<br>Intermediate to Mafic Volcanic       |

|             |                                                   |
|-------------|---------------------------------------------------|
| 105.0-121.6 | Massive, F.G. Crystalline Andesite to Basalt      |
| 121.6-122.3 | Interbedded Argillite-Siltstone-Greywacke         |
| 122.3-124.2 | Graphitic Argillite-Siltstone                     |
| 124.2-127.0 | Interbedded Graphitic and Siliceous Metasediments |
| 127.0-129.5 | Sericite-Carbonate Schist (Sheared Greywacke)     |
| 129.5-134.3 | Sericitized, Carbonatized Mafic Volcanic          |
| 134.3-136.2 | Graphitic Argillite                               |
| 136.2-140.6 | Coarse Volcanoclastic Fragmental                  |
| 140.6-143.0 | Graphitic Argillite                               |
| 143.0-146.0 | Coarse Volcanoclastic Fragmental                  |

EOH

The hole intersected a similar stratigraphic and lithostructural sequence to that encountered to the west, namely;

- a hanging wall suite of massive mafic metavolcanics from 26.2 to 65.6 metres, followed by ultramafics (probably intrusive) from 66.0 to 82.0 metres.
- the structural zone of strongly altered mafic volcanics around several thin graphitic fault zones between 82.0 and 105.0 metres.
- a thin unaltered mafic flow between 105.0 and 121.6 metres.
- a thick epiclastic sedimentary sequence between 121.6 and 136.2 metres.
- into the coarse volcanic fragmental unit to the end of the hole, at 146.0 metres.

Eighty six samples were split for analysis, none of which returned significantly anomalous gold values in excess of 1.0 gpt Au. Several weakly anomalous values, in the hundreds of ppb range were encountered, primarily from graphitic shears and adjacent altered mafic metavolcanics, indicating that the targeted lithostructural zone continues to carry Au of uneconomic tenure.

#### DDH T-91-03

COLLAR: L4+00E, 12+00N (IMPERIAL GRID)  
 AZIMUTH: 180 DEGREES  
 DIP: -50 DEGREES  
 LENGTH: 170.0 METRES

TARGET: This hole stepped 122 metres east-southeast along strike from hole T-91-02, and was again designed to test the lithostructural zone encountered in drilling to the west. The hole again targeted a strong, distinct magnetic break, between the ovoid high reflecting ultramafics terminating against the inferred fault zone, and a strong east-southeast trending HLEM anomaly associated with graphitic shears and epiclastic metasediments within and immediately below the targeted fault.

LITHOLOGIES SUMMARY (ALL INTERVALS IN METRES)

|             |                                                                                            |
|-------------|--------------------------------------------------------------------------------------------|
| 0.00 - 24.0 | Overburden                                                                                 |
| 24.0 - 29.0 | Peridotite                                                                                 |
| 29.0 - 30.9 | Intermediate Lapilli Tuff\Agglomerate                                                      |
| 30.9 - 32.9 | Mafic to Ultramafic Intrusive (Gabbro-Pyroxenite)                                          |
| 32.9 - 40.0 | Porphyritic, Silicified Int. - Mafic Volcanic                                              |
| 40.0 - 52.2 | FG Crystalline Basalt                                                                      |
| 52.2 - 52.5 | Brecciated Mafic Volcanic                                                                  |
| 52.5 - 53.1 | Graphitic Argillite                                                                        |
| 53.1 - 53.3 | Brecciated Mafic Volcanic                                                                  |
| 53.3 - 62.2 | Leucoxene Basalt                                                                           |
| 62.2 - 64.0 | Intensely Chloritized Lcx. Basalt (Fault)                                                  |
| 64.0 - 68.0 | Leucoxene Basalt                                                                           |
| 68.0 - 72.5 | Wkly to Mod. Sericite-Fe Carbonate Altered Lcx. Basalt                                     |
| 72.5 - 79.4 | Coarse Volcanoclastic\Fragmental                                                           |
| 79.4 - 80.6 | Graphitic Argillite\Breccia                                                                |
| 80.6 - 86.8 | Coarse Volcanoclastic\Fragmental                                                           |
| 86.8 - 89.5 | Mineralized, Qtz-Carb Veined Volcanoclastic\Fragmental                                     |
| 89.5 - 92.6 | Strongly Sericite-Fe Carbonate Altered Volcanoclastic\Fragmental                           |
| 92.6 - 98.3 | Graphitic Argillite                                                                        |
| 98.3 -106.3 | Qtz-Carb. Veined, Brecciated, Strongly Silica-Sericite-Fe Carbonate Altered Mafic Volcanic |
| 106.3-110.0 | Sericite-Carbonate Altered Mafic to Ultramafic Volcanic                                    |
| 110.0-117.2 | Talc-Chlorite-Carbonate ALtered Ultramafic (Komatiitic Flow)                               |
| 117.2-123.0 | Talc-Serpentine Altered Ultramafic (Kom. Flow)                                             |
| 123.0-126.7 | Talc-Serp. Clay\Mud (Fault Gouge)                                                          |
| 126.7-151.8 | Interbedded Graphitic Argillite and Siltstone-Greywacke                                    |

|             |                                                         |
|-------------|---------------------------------------------------------|
| 151.8-153.4 | Siltstone                                               |
| 153.4-154.8 | Graphitic Argillite                                     |
| 154.8-155.9 | Brecciated Siltstone                                    |
| 155.9-158.4 | Graphitic Argillite                                     |
| 158.4-167.8 | Coarse Volcanoclastic\Fragmental                        |
| 167.8-170.0 | Sericite-Fe Carbonate Altered Volcanoclastic\Fragmental |

EOH

This hole collared into the ultramafic intrusive, as reflected geophysically by the strong, ovoid, northeast trending magnetic high. Below the ultramafic was a stratigraphic and structural sequence similar to that intersected in drilling to the west, again namely;

- a sequence of relatively unaltered or deformed mafic metavolcanics, to 72.5 metres.
- the complex "structural zone", between 72.5 and 126.7 metres, that locally included tightly interdigitated, altered mafic volcanics, coarse volcanoclastics, and thin komatiitic flows.
- a distinct footwall of epiclastic metasediments between 126.7 and 158.4 metres.
- into the coarse volcanoclastics to the end of the hole at 170.0 metres.

One hundred and sixteen samples were split for analysis, none of which returned significantly elevated gold values in excess of 1.0 gpt. Again, as in hole T-91-02, there was a broad zone of weak gold enrichment on the 100's of ppb level, throughout the altered structural zone between 72.5 and 106.3 metres. The zone, moving east, then, continues to carry weakly anomalous values but no economic grade intersections.

#### DDH T-91-04

COLLAR: L8+00E, 11+00N  
 AZIMUTH: 180 DEGREES  
 DIP: - 50 DEGREES

LENGTH: 227.0 METRES (Note that this hole was initially drilled to a depth of 158.0 metres, and subsequently deepened to 227.0 metres)

TARGET: This hole was designed to continue testing the "structural" zone southeast and along strike from hole T-91-03, 122 metres to the west. The hole targeted a strong HLEM anomaly associated with the graphitic shears and epiclastic metasediments within and immediately below the zone of interest, and the distinct magnetic break reflecting the targeted structure.

LITHOLOGIES SUMMARY (ALL INTERVALS IN METRES)

|              |                                                                            |
|--------------|----------------------------------------------------------------------------|
| 0.00 - 27.3  | Overburden                                                                 |
| 27.3 - 53.7  | Massive FG Crystalline Mafic Volcanic                                      |
| 53.7 - 57.1  | FG Crystalline Leucoxene Basalt                                            |
| 57.1 - 66.0  | Massive FG-MG Basalt                                                       |
| 66.0 - 69.5  | Partially Altered (Sericite, Fe Carbonate) Mafic Volcanic                  |
| 69.5 - 89.2  | Strongly Carbonatized, Moderately Sericitized Mafic Volcanic               |
| 89.2 - 91.0  | Mineralized, Intensely Fe Carbonate Altered, Brecciated Mafic Volcanic     |
| 91.0 - 94.0  | Variably Brecciated, Strongly Carbonatized Mafic Volcanic                  |
| 94.0 - 95.2  | Quartz Veined Fault Gouge                                                  |
| 95.2 - 96.7  | Quartz Vein                                                                |
| 96.7 - 97.2  | Mineralized Graphitic Schist                                               |
| 97.2 - 97.8  | Mineralized, Sericitized, Carbonatized Mafic Volcanic                      |
| 97.8 - 99.0  | Altered FG Crystalline Mafic Volcanic                                      |
| 99.0 - 106.0 | Mineralized, Intensely Carbonatized, Sericitized Mafic Volcanic            |
| 106.0-106.3  | Graphitic Schist                                                           |
| 106.3-108.4  | Quartz-Graphite Breccia                                                    |
| 108.4-109.8  | Graphitic Argillite                                                        |
| 109.8-112.0  | Fuchsitic, Intensely Sericitized, Carbonatized Volcanic Fragmental\Breccia |
| 112.0-141.7  | Intensely Sericitized, Carbonatized Coarse Volcanoclastic\Breccia          |
| 141.7-144.1  | Interbedded Graphitic Argillite and Graphitic Volcanoclastic               |
| 144.1-158.0  | Strongly Sericitized, Carbonatized Mafic Volcanic                          |

|             |                                                                                          |
|-------------|------------------------------------------------------------------------------------------|
| 158.0-159.5 | Mineralized, Intensely Sericitized, Carbonatized Brecciated Mafic Volcanic               |
| 159.5-159.8 | Graphitic Argillite                                                                      |
| 159.8-161.0 | Mineralized, Quartz Carbonate Veined, Intensely Sericitized, Carbonatized Mafic Volcanic |
| 161.0-161.7 | Qtz Veined, Silicified, Graphitic Breccia                                                |
| 161.7-166.1 | Intensely Sericitized, Carbonatized Fragmental\ Breccia                                  |
| 166.1-168.0 | Intensely Talc-Sericite-Carbonate Altered Fragmental\Breccia (UM Protolith)              |
| 168.0-185.2 | Intensely Talc Altered, Variably Brecciated Ultramafic (Komatiitic Flow)                 |
| 185.2-187.0 | Serpentinized Ultramafic (Kom. Flow)                                                     |
| 187.0-207.2 | Talc Altered, Variably Brecciated Ultramafic (Kom. Flow)                                 |
| 207.2-208.4 | Variably Altered (Silica-Sericite-Carbonate) Bleached Mafic to Ultramafic Volcanic       |
| 208.4-208.9 | Felsic Dyke                                                                              |
| 208.9-212.6 | Variably Altered (Silica-Sericite-Carbonate) Brecciated Mafic to Ultramafic Volcanic     |
| 212.6-214.0 | Talc Altered Ultramafic (Komatiitic Flow)                                                |
| 214.0-216.0 | Brecciated, Silicified Mafic to Ultramafic Volcanic                                      |
| 216.0-224.7 | Variably Bleached, Silicified Mafic Volcanic                                             |
| 224.7-227.0 | FG Crystalline Leucoxene Basalt                                                          |

EOH

This hole intersected a similar stratigraphy and structural zone as that seen in the drilling completed to the west, and for the first time penetrated completely through the volcanoclastic footwall zone into relatively undeformed, massive mafic volcanics.

The hole collared into massive basalts, from 27.7 to 66.0 metres, and continued through into the "structural zone", with increasing intensity of carbonate-sericite and silica alteration within the mafic metavolcanics from 66.0 to 94.0 metres. Several weakly anomalous gold values were returned from the altered mafics, two in excess of 1.0 gpt Au. From 83.7 to 84.2 metres, a 50 cm sample encompassing a 10 cm. quartz - arsenopyrite vein returned 7.5 gpt Au. Note that this is the first significant occurrence of AsPy in

the 1991 drilling program. From 89.2 to 89.7 metres, a 50 cm. sample encompassing a 10 cm. quartz-pyrite vein carried 1.159 gpt Au.

From 94.0 to 95.2 metres, the hole encountered quartz veined graphitic fault gouge, below which from 95.2 to 96.7, a massive bull quartz vein was intersected. Only weakly anomalous gold values to 136 ppb were returned from this horizon.

Below the vein, the hole continued through intensely altered mafic volcanics, to 109.8 metres, though again only weakly anomalous gold values to 641 ppb were encountered.

From 109.8 to 144.1 metres, the hole intersected altered coarse volcanoclastics, returning no significant gold values. From 144.1 to 158.0 metres, the hole re-entered a sequence of intensely altered mafic volcanics, with trace amounts of very fine grained disseminated arsenopyrite. This mineralization was not seen while shutting down the hole, and only noted later during detailed logging. As the targeted zone had already been penetrated, the hole was terminated within this weakly mineralized zone, which returned gold values to 455 ppb\1.0 metres. A decision to deepen the hole was made based on the anomalous values, as it was not known to what extent this new, lower zone might continue.

From 158.0 to 161.0, the deepened hole intersected similarly strongly altered, weakly mineralized mafic volcanics, which carried weakly anomalous gold values to 689 ppb\0.3 metres.

Below the altered mafics, from 161.7 to 207.2 metres, a thick sequence of variably altered (talc, carbonate, sericite, serpentine) ultramafics were encountered, thought to be komatiites. This intersection represented a significant thickening of the komatiites, and serves to illustrate the very rapid local changes in the complex stratigraphy.

Below the altered ultramafics, a series of variably altered mafic flows was encountered, from which no significantly elevated gold values were returned. The hole stopped in relatively undeformed, massive fg crystalline basalt, very similar in appearance to the massive basalts of the hanging wall. With this section through the stratigraphy\structure, it becomes clear that much of what is being termed volcanoclastics are very locally derived, possibly fault

scarp related fragmental rocks, or in fact intensely tectonized flows. While clearly there is an epiclastic\volcanoclastic component to the lower portion of the "zone", it appears that in the broadest sense both the footwall and hanging walls of the "structure" are massive mafic flows.

DDH T-91-05

COLLAR: L12+00E, 10+00N (IMPERIAL GRID)

AZIMUTH: 180 DEGREES

DIP: - 50 DEGREES

LENGTH: 235.0 METRES (This hole was originally drilled to a depth of 143.0 metres, and subsequently deepened to 235.0 metres).

TARGET: This hole was drilled 122 metres east-southeast and along strike from DDH T-91-04. The hole was designed to continue testing along strike the "structural zone", and again targeted the inferred magnetic break along that zone, as well as the HLEM anomaly associated with the graphitic shearing associated with the mineralized zone. Note that at this location the strong HLEM anomaly has turned from a 120 degree orientation, to almost east-west. The conductor then continues to the northeast at approximately 070 degrees. The changing orientation may either reflect a gentle open fold in the stratigraphy, or a second 070 degree trending graphitic interflow horizon that terminates against the 120 degree trending fault proximal to Line 12+00E.

LITHOLOGIES SUMMARY (ALL INTERVALS IN METRES)

|             |                                                                 |
|-------------|-----------------------------------------------------------------|
| 0.00 - 29.3 | Overburden                                                      |
| 29.3 - 47.2 | FG, Crystalline Basalt                                          |
| 47.2 - 51.5 | Siliceous Graywacke                                             |
| 51.5 - 56.6 | Graphitic Argillite\Breccia                                     |
| 56.6 - 60.6 | Siliceous Graywacke                                             |
| 60.6 - 72.4 | Andesite to Basalt                                              |
| 72.4 - 73.2 | Interbedded Siliceous and Graphitic Argillite                   |
| 73.2 - 75.6 | Brecciated, Altered Mafic Volcanic                              |
| 75.6 - 84.5 | Leucoxene Basalt                                                |
| 84.5 - 89.6 | Strongly Sheared, Silicified, Carbonatized Basalt               |
| 89.6 - 94.7 | Graphitic Argillite                                             |
| 94.7 - 97.5 | Mineralized, Intensely Sericitized, Carbonatized Mafic Volcanic |

|             |                                                                                                             |
|-------------|-------------------------------------------------------------------------------------------------------------|
| 97.5 - 98.6 | Graphitic, Siliceous Argillite                                                                              |
| 98.6 - 99.4 | Pyritic, Sericitic Argillite                                                                                |
| 99.4 -102.1 | Graphitic Argillite                                                                                         |
| 102.1-108.5 | Carbonatized, FG Crystalline Basalt                                                                         |
| 108.5-112.4 | Mineralized, Strongly Sericitized, Carbonatized<br>Mafic Volcanic                                           |
| 112.4-116.0 | Strongly Carbonatized, Sericitized Basalt                                                                   |
| 116.0-127.8 | FG Crystalline Leucoxene Basalt                                                                             |
| 127.8-129.5 | Brecciated, Intensely Sericitized, Carbonatized<br>Mafic Volcanic                                           |
| 129.5-156.0 | Massive, FG Crystalline Lcx Basalt                                                                          |
| 156.0-162.5 | Porphyritic, Carbonatized Leucoxene Basalt                                                                  |
| 162.5-167.4 | Strongly Carbonatized, Sericitized Lcx. Basalt                                                              |
| 167.4-168.2 | Qtz-Carb Veined, Brecciated, Silicified Graphitic<br>Argillite                                              |
| 168.2-171.8 | Variably Brecciated, Strongly Carbonatized<br>Leucoxene Basalt                                              |
| 171.8-172.7 | Qtz-Carb Veined, Brecciated, Silicified Graphitic<br>Argillite                                              |
| 172.7-177.8 | Intensely Sericitized, Carbonatized Fragmental<br>Rock (Breccia?)                                           |
| 177.8-194.5 | Variably Altered (Silica-Sericite-Carbonate)<br>Brecciated Intermediate to Mafic<br>Volcanic\Volcanoclastic |
| 194.5-203.6 | Intensely Talc Altered Ultramafic (Komatitic Flow)                                                          |
| 203.6-209.5 | Sericitized, Carbonatized, Brecciated Siltstone-<br>Graywacke                                               |
| 209.5-223.5 | Graywacke to Conglomerate                                                                                   |
| 223.5-225.8 | Strongly Sheared, Sericitized, Carbonatized,<br>Siltstone-Graywacke                                         |
| 225.8-226.8 | Qtz-Carb Veined, Variably Altered Siltstone                                                                 |
| 226.8-228.4 | Qtz-Carb Veined Graphitic Breccia                                                                           |
| 228.4-235.0 | Basalt                                                                                                      |

EOH

This hole intersected a locally more complex stratigraphy, with multiple zones of structural deformation and related alteration and mineralization.

The hole collared into the hanging wall massive basalts, between 29.3 and 72.4 metres, with locally between 47.2 and 60.6 metres,

a wedge of relatively undeformed epiclastic metasediments. This new interflow horizon is interpreted as trending northeast - southwest, as reflected by the abrupt change in the associated HLEM conductor, and probably terminates against the main structural deformation zone to the southwest.

Below these unaltered mafics, the hole intersected a zone of structural deformation and associated alteration\mineralization, in both mafic metavolcanics and thin associated graphitic shear zones, between 73.2 and 116.0 metres. Included in this section were zones of disseminated AsPy mineralization to 2%, notably between 108.5 and 112.4 metres. Several broad zones of anomalous gold values were returned from the zone, including 759 ppb Au\12.5 metres between 89.6 and 102.1 metres, and 801 ppb Au\3.9 metres between 108.5 and 112.4 metres (including 1.9 gpt\1.0 metres).

The hole then re-entered relatively massive, undeformed mafic volcanics to 143.0 metres, with the exception of one thin altered mineralized zone between 127.8 and 129.5 metres, which returned gold values averaging 252 ppb\1.7 metres. The hole was originally terminated at 143.0 metres, having intersected what was believed at the time to be the main mineralized deformation zone. Subsequent re-interpretation indicated that the main contact related horizon had not been intersected, and the hole was deepened to 227.0 metres.

The deeper drilling encountered the contact related structural deformation zone between 167.4 and 174.5 metres, with intensely altered mafic volcanics and intercalated graphitic metasediments immediately above the footwall coarse volcanoclastics. The zone carried anomalous gold values averaging 296 ppb\8.7 metres, with values as high as 1.12 gpt Au\0.3 metres.

The hole continued through the marker komatiitic flow, epiclastic metasediments, and terminated in relatively unaltered, undeformed basalts at 227.0 metres.

The results of this hole were encouraging, with the discovery of multiple mineralized zones over significant widths, and the original drilling program was expanded to continue probing the targeted deformation zone to the east.

DDH T-91-06

COLLAR: L16+00E, 8+00N (IMPERIAL GRID)  
AZIMUTH: 180 DEGREES  
DIP: -50 DEGREES  
LENGTH: 137.0 METRES  
TARGET: This hole was designed to continue testing east-southeast along strike the structural deformation zone outlined by previous drilling to the west. The hole was collared 122 metres east of DDH T-91-05, and targeted the extrapolated magnetic break thought to reflect the main deformation zone.

LITHOLOGIES SUMMARY (ALL INTERVALS IN METRES)

|              |                                                    |
|--------------|----------------------------------------------------|
| 0.00 - 33.6  | Overburden                                         |
| 33.6 - 48.0  | Massive, F.G. Crystalline Basalt                   |
| 48.0 - 50.8  | Carbonatized, Porphyritic Lcx. Basalt              |
| 50.8 - 53.3  | Intensely Sericitized, Carbonatized Mafic Volcanic |
| 53.3 - 53.7  | Pyrite                                             |
| 53.7 - 56.4  | Mineralized, Siliceous Graywacke                   |
| 56.4 - 56.8  | Mineralized, Siliceous Graywacke                   |
| 56.8 - 58.0  | Mineralized, Sericitized, Carbonatized Basalt      |
| 58.0 - 59.2  | Siliceous Graywacke                                |
| 59.2 - 61.0  | Mineralized, Strongly Carbonatized Mafic Volcanic  |
| 61.0 - 62.5  | Siltstone-Graywacke                                |
| 62.5 - 63.7  | Brecciated Siltstone-Graywacke                     |
| 63.7 - 71.3  | Interbedded Graywacke-Siltstone-Argillite          |
| 71.3 - 74.7  | Sheared, Sericitized, Carbonatized Siltstone       |
| 74.7 - 74.9  | Graphitic Mud\Fault Gouge                          |
| 74.9 - 75.3  | Quartz-Graphite Breccia                            |
| 75.3 - 97.0  | Sericitized, Carbonatized Coarse Fragmental Rock   |
| 97.0 - 98.0  | Graphitic Breccia                                  |
| 98.0 - 102.8 | Quartz-Carbonate Breccia                           |
| 102.8-106.4  | Interbedded Sericitic and Graphitic Argillite      |
| 106.4-108.3  | Conglomerate                                       |
| 108.3-109.0  | Interbedded Sericitic and Graphitic Argillite      |
| 109.0-130.3  | Conglomerate                                       |
| 130.3-137.0  | Coarse Volcanoclastic\Fragmental Rock              |

EOH

This hole collared into the massive basalts of the hanging wall, and continued through the deformation zone proximal to the contact

with a thick sequence of epiclastic metasediments. Below the epiclastic metasediments were the footwall volcanoclastics, with several thin interbedded epiclastic horizons. Within the altered zone, several areas of disseminated arsenopyrite, to 3% locally, returned anomalous gold values. From 52.0 - 53.3 metres, within altered, mineralized mafic volcanics, gold values averaged 623 ppb Au\1.3 metres, including 1.35 gpt\0.5 metres. From 59.2 to 61.0 metres, gold values averaged 1.44 gpt\1.8 metres, including 3.51 gpt\0.5 metres.

DDH T-91-07

COLLAR: L16+00E, 10+00N (IMPERIAL GRID)

AZIMUTH: 180 DEGREES

DIP: - 50 DEGREES

LENGTH: 200.0 METRES

TARGET: This hole was collared 61 metres behind hole T-91-06, and drilled beneath hole 06 to test the down dip extension of the mineralized deformation zone, and provide some sense of the orientation of the zone some 600 metres east of any previous sectional drilling.

LITHOLOGIES SUMMARY (ALL INTERVALS IN METRES)

|              |                                                                                   |
|--------------|-----------------------------------------------------------------------------------|
| 0.00 - 39.2  | Overburden                                                                        |
| 39.2 - 48.5  | Mineralized, Strongly Carbonatized, Sericitized, Mafic Volcanic                   |
| 48.5 - 76.5  | Massive, FG Crystalline Lcx. Basalt                                               |
| 76.5 - 84.8  | Sheared, Carbonatized Lcx. Basalt                                                 |
| 84.8 - 150.6 | Massive, FG Crystalline Lcx. Basalt                                               |
| 150.6-154.6  | Mineralized, Sericitized, Carbonatized, Brecciated Mafic Volcanic                 |
| 154.6-156.5  | Graphitic Argillite                                                               |
| 156.5-175.0  | Strongly Sericitized, Carbonatized Graywacke?\Volcanic?                           |
| 175.0-176.5  | Coarse Volcanic Fragmental                                                        |
| 176.5-181.8  | Mineralized, Qtz-Carb Veined, Brecciated Sericitized, Carbonatized Mafic Volcanic |
| 181.8-182.2  | Graphitic Gouge                                                                   |
| 182.2-188.2  | Sheared, Sericitized, Carbonatized Fragmental Rock                                |
| 188.2-192.0  | Fuchsitic, Sericitized, Carbonatized Fragmental Rock                              |
| 192.0-198.3  | Sheared, Sericitized, Carbonatized, Fragmental Rock                               |
| 198.3-200.0  | Interbedded Argillite-Siltstone-Graywacke                                         |

EOH

This hole collared into a previously unidentified major alteration zone within the mafic metavolcanics, from 39.2 to 48.5 metres. The zone, characterized by intense sericite and Fe carbonate alteration, and up to 3% fine disseminated arsenopyrite, returned an average gold grade of 471 ppb over 9.3 metres, with half metre intervals in excess of 1.0 gpt Au.

Beneath this alteration zone, the hole intersected massive mafic metavolcanics to 150.6 metres. From 150.6 to 154.6, a second zone of altered mafic volcanics, proximal to the contact with underlying epiclastic metasediments, carried 3% disseminated arsenopyrite and returned gold grades averaging 707 ppb\4.0 metres, including a one metre section at 1.22 gpt Au.

The hole intersected a third strongly mineralized (up to 7% disseminated AsPy) intensely altered mafic volcanic package between 176.5 and 181.8 metres, immediately above a major graphitic fault zone. This zone returned an average gold grade of 2.08 gpt\5.3 metres, including 5.27 gpt\1.0 metres, and represents the best intersection from the 1991 drilling program. Below this zone, the hole encountered the footwall coarse volcanoclastics, with minor interbedded epiclastic metasediments. Note in section the vertical to sub-vertical orientation of the faulting and related alteration\ mineralization. The fault has thus "rolled" from its shallowly northward dip seen in section on L4+00W, 600 metres to the west.

#### DDH T-91-08

COLLAR: L16+00E, 11+00N (IMPERIAL GRID)

AZIMUTH: 180 DEGREES

DIP: -55 DEGREES

LENGTH: 281.0 METRES

TARGET: This hole stepped 33 metres north and behind hole T-91-07, to test the downdip extensions of the three mineralized zones encountered in that hole.

#### LITHOLOGIES SUMMARY (ALL INTERVALS IN METRES)

0.00 - 26.8 Overburden

26.8 - 35.0 Graphitic ARgillite

35.0 - 35.9 Brecciated, Carbonatized Basalt

35.9 - 39.0 Moderately Carbonatized Andesite to Basalt

|             |                                                                                     |
|-------------|-------------------------------------------------------------------------------------|
| 39.0 - 60.2 | FG, Crystalline Lcx. Basalt                                                         |
| 60.2 - 61.4 | Strongly Carbonatized, Sericitized, Mafic Volcanic                                  |
| 61.4 - 62.0 | Sheared, Strongly Carbonatized, Sericitized Mafic Volcanic                          |
| 62.0 - 63.5 | Mineralized Sheared Sericitized, Carbonatized Wacke\ Tuff                           |
| 63.5 - 63.7 | Graphitic Fault Gouge\Mud                                                           |
| 63.7 - 78.5 | Porphyritic Weakly Carbonatized Basalt                                              |
| 78.5 - 89.0 | Strongly Carbonatized, Sericitized Mafic Volcanic                                   |
| 89.0 -111.1 | FG Crystalline Lcx. Basalt                                                          |
| 111.1-120.9 | Massive FG Crystalline Basalt                                                       |
| 120.9-162.4 | FG Massive Lcx. Basalt                                                              |
| 162.4-187.5 | Porphyritic, Carbonatized Lcx. Basalt                                               |
| 187.5-202.6 | Strongly Carbonatized, Sericitized Lcx. Basalt                                      |
| 202.6-211.2 | Intensely Carbonatized, Sericitized, Silicified Mafic Volcanic                      |
| 211.2-213.4 | Graphitic Argillite                                                                 |
| 213.4-217.4 | Brecciated, Intensely Carbonatized, Variably Sericitized, Silicified Mafic Volcanic |
| 217.4-218.2 | Graphitic Argillite\Breccia                                                         |
| 218.2-224.6 | Strongly Carbonatized, Sericitized, Silicified Int. to Mafic Volcanic               |
| 224.6-225.1 | Qtz-Carb. Veined Graphitic Schist (Fault)                                           |
| 225.1-226.8 | Mineralized, Intensely Carbonatized, Sericitized, Silicified Mafic Volcanic         |
| 226.8-227.6 | Qtz Veined Graphitic Fault Gouge                                                    |
| 227.6-230.0 | Intensely Sericitized, Carbonatized Fragmental Rock                                 |
| 230.0-239.5 | Sheared, Variably ALtered Basalt                                                    |
| 239.5-245.8 | Intensely Talc Altered, Variably Brecciated Ultramafic (Komatiitic Flow)            |
| 245.8-258.0 | Strongly Sheared, Coarse Fragmental Rock                                            |
| 258.0-281.0 | Siltstone-Graywacke                                                                 |

EOH (Hole lost due to caving at 281.0 metres)

This hole collared into graphitic argillite, from 26.8 to 35.0 metres, immediately below which was a weakly carbonatized zone within mafic metavolcanics, from 35.0 to 39.0 metres. Note that a strong northeast trending HLEM conductor is associated with the graphitic horizon, trending northeast -southwest and terminating to the southwest of the intersection against the 120 degree trending targeted fault.

The hole then penetrated a thick sequence of massive mafic volcanics to 187.5 metres, within which were two weakly mineralized, altered zones. From 61.4 to 63.5, a thin zone of carbonatized basalts, with 3% pyrite and 0.5% arsenopyrite, returned gold values averaging 467 ppb\2.1 metres. From 78.5 to 89.0 metres, a zone of strong carbonate-sericite alteration within the mafics correlates with the zone intersected in the uppermost section of hole T-91-07. The zone was only weakly mineralized, however, and only one sample where locally arsenopyrite was present to 1% returned a significantly anomalous gold value of 2.10 gpt\1.0 metres. Correlating the two zones indicates a dip of approximately 75 degrees north to the altered horizon. As is readily obvious, the continuity of mineralization and related gold tenure in the zone is extremely poor.

From 187.5 to 202.6 metres, the mafic volcanics exhibited increasing carbonatization and sericitization. From 202.6 to 227.6, the major zone of deformation and alteration was encountered, within an intercalated sequence of mafic volcanics, and graphitic shears. Locally within the altered mafics arsenopyrite was present to 2%, though gold values through the horizon were only weakly anomalous. From 212.8 - 213.4 metres, a sample carried 1.24 gpt Au, and from 225.1 to 226.8, a section averaged 997 ppb\1.7 metres.

Below this intensely altered zone, the hole encountered the footwall coarse volcanoclastic fragmentals, and from 239.5 to 245.8, a marker komatiitic horizon. Note that the ultramafic was not intersected in the up-dip holes 07 or 06, indicating dramatic very local complexity in the stratigraphy below and within the fault zone. The hole terminated in a thick, altered siltstone, at 281.0 metres. The graphitic fault zones were badly caving down hole, and despite two major cementings of the rubble zones, the hole was not able to continue. It is unclear, due to the complexity of the stratigraphy, whether or not the strongly mineralized horizon encountered in hole T-91-07 was penetrated. I suspect it was, between 202.6 and 226.8 metres, and that the broad fault\alteration system is strongly anastomosing, accounting for the local apparent changes in dip and position of the mineralized zones.

Within this three hole section through the main fault\deformation zone, the position, continuity, and grade of mineralization is extremely erratic, and does not bode well for defining within the zone an economic ore body.

DDH T-91-09

COLLAR: L4+00W, 17+00N (IMPERIAL GRID)

AZIMUTH: 180 DEGREES

DIP: -50 DEGREES

LENGTH: 176.0 METRES

TARGET: This hole was designed to test the down dip extension of mineralization encountered in holes TU-81-01 and TU1-03-70, collared 75 metres to the south. Both of those holes had intersected strongly anomalous gold values to as high as 13.7 gpt\0.9 metres, within quartz veined, brecciated, intensely sericite-silica-carbonate altered mafic volcanics proximal to the contact with epiclastic metasediments.

LITHOLOGIES SUMMARY (ALL INTERVALS IN METRES)

|             |                                                                        |
|-------------|------------------------------------------------------------------------|
| 0.00 - 9.2  | Overburden                                                             |
| 9.2 -124.4  | Massive, FG Crystalline Basalt                                         |
| 124.4-125.9 | Mineralized Graphitic Breccia                                          |
| 125.9-127.6 | Qtz Veined Graphitic Rubble\Fault                                      |
| 127.6-138.0 | Variably Altered (Carbonate, Sericite, Silica)<br>Leucoxene Basalt     |
| 138.0-141.0 | Brecciated, Interbedded Graphitic Argillite and<br>Siltstone-Graywacke |
| 141.0-143.9 | Qtz-Carb Veined, Brecciated Siltstone-Graywacke                        |
| 143.9-146.7 | Intensely Sericitized, Carbonatized Fragmental Rock                    |
| 146.7-159.5 | Interbedded Graphitic Argillite-Siltstone                              |
| 159.5-169.9 | Interbedded Graphitic Argillite-Siltstone-Graywacke                    |
| 169.9-176.0 | Sericitized Coarse Volcanic Fragmental Rock                            |

EOH

This hole encountered a thick sequence of unaltered hanging wall basalts, from 9.2 to 124.4 metres. From 124.4 to 143.9 metres, the hole intersected variably altered mafic volcanics, with several graphitic fault zones, and intercalated, altered and brecciated epiclastic horizons. From within this targeted deformation zone, only sporadic weakly anomalous gold values to 653 ppb were returned.

From 143.9 to 169.9, the hole intersected primarily epiclastic metasediments, below which, to the end of the hole at 176.0 metres, were the footwall volcanoclastics. Note in section the correlations

of the marker epiclastic and fault zones indicate a 55 to 65 degree dip to the north. The very poor gold values encountered in this hole again illustrate the very sporadic nature of gold mineralization within the fault zone, and the potential for discovery of an economic ore body is limited within the strike length drill tested to date.

TABLE 3  
1991 DIAMOND DRILL HOLE SUMMARY  
TULLY PROPERTY

| <u>HOLE NUMBER</u> | <u>COLLAR</u>   | <u>AZIMUTH\DIPL</u> | <u>LENGTH</u>    |
|--------------------|-----------------|---------------------|------------------|
| T-91-01L           | L7+20W, 3+75N   | 210\ -50            | 52.4 M.          |
| T-91-01            | L7+20W, 3+75N   | 210\ -55            | 320.0 M.         |
| T-91-02            | L0+00E, 14+00N  | 180\ -50            | 146.0 M.         |
| T-91-03            | L4+00E, 12+00N  | 180\ -50            | 170.0 M.         |
| T-91-04            | L8+00E, 11+00N  | 180\ -50            | 227.0 M.         |
| T-91-05            | L12+00E, 10+00N | 180\ -50            | 235.0 M.         |
| T-91-06            | L16+00E, 8+00N  | 180\ -50            | 137.0 M.         |
| T-91-07            | L16+00E, 10+00N | 180\ -50            | 200.0 M.         |
| T-91-08            | L16+00N, 11+00N | 180\ -55            | 281.0 M.         |
| T-91-09            | L4+00W, 17+00N  | 180\ -50            | 176.0 M.         |
| <b>TOTAL:</b>      |                 |                     | <b>1944.4 M.</b> |

TABLE 4  
SUMMARY OF ANOMALOUS INTERSECTIONS (>1.0 GPT Au)  
1991 DIAMOND DRILLING PROGRAM

| <u>HOLE NO.</u> | <u>INTERSECTION(M)</u> |           | <u>WIDTH</u><br><u>(M)</u> | <u>AU (GPT)</u> | <u>CAT.</u> | <u>COMMENTS</u>           |
|-----------------|------------------------|-----------|----------------------------|-----------------|-------------|---------------------------|
|                 | <u>FROM</u>            | <u>TO</u> |                            |                 |             |                           |
| T-91-01L        | NONE                   |           | -                          | -               | BAR.        | HOLE LOST                 |
| T-91-01         | NONE                   |           | -                          | -               | BAR.        | -                         |
| T-91-02         | NONE                   |           | -                          | -               | BAR.        | -                         |
| T-91-03         | NONE                   |           | -                          | -               | BAR.        | -                         |
| T-91-04         | 83.7                   | 84.2      | 0.5                        | 7.09            | MIN.        | ALT. VOLC.                |
|                 | 89.2                   | 89.7      | 0.5                        | 1.95            | ANOM.       | ALT. VOLC.                |
| T-91-05         | 93.5                   | 94.7      | 1.2                        | 3.03            | SIG.        | FRAGMENTAL<br>GRAPH. ARG. |
|                 | 110.5                  | 111.0     | 0.5                        | 2.73            | ANOM.       | ALT. VOLC.                |
|                 | 111.0                  | 111.5     | 0.5                        | 1.06            | ANOM.       | ALT. VOLC.                |
|                 | 128.8                  | 129.0     | 0.2                        | 1.42            | ANOM.       | ALT. VOLC.                |
|                 | 168.2                  | 168.5     | 0.3                        | 1.12            | ANOM.       | ALT. VOLC.                |
| T-91-06         | 52.5                   | 53.0      | 0.5                        | 1.35            | ANOM.       | ALT. VOLC.                |
|                 | 60.5                   | 61.0      | 0.5                        | 3.42            | SIG.        | ALT. VOLC.                |
| T-91-07         | 42.0                   | 42.5      | 0.5                        | 1.13            | ANOM.       | ALT. VOLC.                |
|                 | 45.0                   | 45.5      | 0.5                        | 1.13            | ANOM.       | ALT. VOLC.                |
|                 | 47.5                   | 48.0      | 0.5                        | 1.44            | ANOM.       | ALT. VOLC.                |
|                 | 152.5                  | 153.0     | 0.5                        | 1.10            | ANOM.       | ALT. VOLC.                |
|                 | 153.0                  | 153.5     | 0.5                        | 1.34            | ANOM.       | ALT. VOLC.                |
|                 | 176.0                  | 176.5     | 0.5                        | 1.20            | ANOM.       | ALT. VOLC.                |
|                 | 176.5                  | 177.0     | 0.5                        | 4.33            | SIG.        | ALT. VOLC.                |
|                 | 177.0                  | 177.5     | 0.5                        | 6.22            | MIN.        | ALT. VOLC.                |
|                 | 179.5                  | 180.0     | 0.5                        | 1.95            | ANOM.       | ALT. VOLC.                |
|                 | 180.0                  | 180.5     | 0.5                        | 3.50            | SIG.        | ALT. VOLC.                |
|                 | 180.5                  | 181.0     | 0.5                        | 3.13            | SIG.        | ALT. VOLC.                |
| T-91-08         | 84.0                   | 85.0      | 1.0                        | 2.10            | ANOM.       | ALT. VOLC.                |
|                 | 212.8                  | 213.4     | 0.6                        | 1.29            | ANOM.       | GR. ARG.                  |
|                 | 225.1                  | 226.0     | 0.9                        | 1.12            | ANOM.       | ALT. VOLC.                |
| T-91-09         | NONE                   |           | -                          | -               | BAR.        | -                         |

CATEGORIES

|                |                  |
|----------------|------------------|
| < 1.0 gpt      | BAR.\BARREN      |
| 1.0 - 3.0 gpt  | ANOM.\ANOMALOUS  |
| 3.0 - 5.0 gpt  | SIG.\SIGNIFICANT |
| 5.0 - 10.0 GPT | MIN.\MINERALIZED |
| > 10.0 gpt     | ORE              |

### 3.2 DISCUSSION; AN OVERVIEW OF WORK COMPLETED TO DATE, AND ECONOMIC RE-EVALUATION OF THE PROPERTY

To date on the property, drilling by Hollinger Argus Mines Ltd., Esso Minerals Canada, and Homestake Canada Ltd., has delineated in 16 drill holes a zone of intense deformation and associated alteration over a strike length of 1400 metres (4250 feet). The zone occurs at or proximal to a tectonic contact between relatively massive, unaltered leucoxene basalts to the north, and a complex lithostratigraphic assemblage of epiclastic sediments, volcanoclastic sediments, and thin komatiitic flows to the south.

The zone is characterized by intense carbonatization, sericitization, and localized silicification, with or without significant secondary quartz-carbonate veining and sulphide (pyrite, arsenopyrite) mineralization. Gold occurs both as free blebs within quartz veins developed within dilatant zones in the broad deformation zone, and intimately associated with disseminated arsenopyrite and pyrite within the altered mafic metavolcanics.

Gold grades along the horizon drill tested to date are extremely sporadic, and for the most part uneconomic. Best values have occurred to date within quartz veins (TU87-02, TU87-04), and with broad zones of disseminated arsenopyrite (T-91-07). Follow up drilling around and down dip from sub-economic intersections have failed to define any continuity of either grade or width in the mineralized zones.

The host deformation zone is also extremely fractured, and between Lines 8+00W and 8+00E, RQD's through the zone are usually in excess of 50 fractures per metre, and the core basically rubble. Mining costs within the zone, even if grades were significantly better, would be prohibitive.

The zone defined to date is uneconomic, and no additional work is recommended west of L16+00E. Work to date has defined, however, a major lithostructural zone, carrying widespread anomalous gold values, that represents a valid target along its untested strike length. The best non-vein intersection to date on the property is from the easternmost hole T-91-07, and while drilling down and up dip from this intersection failed to reproduce grades and widths seen in Hole 07, there is considerable room to test the structure to the southeast. A drilling program designed to evaluate the eastern strike extension of the horizon is proposed in the following section of this report.

#### 4. 1991\92 EXPLORATION PROPOSAL AND BUDGET

A seven hole, 1500 metres diamond drilling program is proposed for either the late summer\early fall 1991, or winter 1992. The timing of the program is dependant on available 1991 budget dollars.

Table 5 summarizes the 7 hole program, and outlined below are hole by hole descriptions. For the sake of clarity, I have labelled all proposed holes with the prefix T-92. Their locations appear plotted on the 1:5000 Geology-Geophysics Compilation in Appendix 5.

##### DDH T-92-01

COLLAR: L18+00E, 12+00N (IMPERIAL GRID)  
AZIMUTH: 180 DEGREES  
DIP: -50 DEGREES  
ESTIMATED LENGTH: 220 METRES  
TARGET: This hole steps 61 metres east and along strike from the three hole fence completed on L16+00E, and is designed to test a strong HLEM conductor (graphitic argillite, as encountered in Hole T-91-08) and the stratigraphy immediately below that conductor. Within that stratigraphy, holes T-91-07 and 08 encountered broad zones of intense carbonatization within mafic metavolcanics, which in places were strongly mineralized (Py, Aspy), and carried gold values to 471 ppb\9.3 metres. The hole, the first of a two hole fence, will continue to a depth of approximately 220 metres, to provide a complete section through the upper altered zones.

##### DDH T-92-02

COLLAR: L18+00N, 8+00N (IMPERIAL GRID)  
AZIMUTH: 180 DEGREES  
DIP: -50 DEGREES  
ESTIMATED LENGTH: 200 METRES  
TARGET: This hole will continue testing a section along L18+00e, 61 metres east and along strike from Holes T-91-06, 07, and 08. The hole is designed to penetrate the projected strike extension of the "main mineralized zone", targeting a weak HLEM conductor and a distinct linear magnetic break thought to reflect the underlying deformation zone.

DDH T-92-03

COLLAR: L20+00E, 9+00N (IMPERIAL GRID)  
AZIMUTH: 180 DEGREES  
DIP: -50 DEGREES  
ESTIMATED LENGTH: 240 METRES  
TARGET: This hole is designed to step 61 metres east and along strike from the two hole fence completed on L18+00E. The hole will penetrate a previously untested, strong HLEM conductor, immediately north of the envisioned strike projection of the "main mineralized zone", and continue through that zone.

Pending the results of these three holes, the following drilling is proposed.

DDH T-92-04

COLLAR: L24+00E, 6+00N (IMPERIAL GRID)  
AZIMUTH: 180 DEGREES  
DIP: -50 DEGREES  
ESTIMATED LENGTH: 200 METRES  
TARGET: This hole is designed to continue testing east and along strike the projected "main mineralized zone", stepping 122 metres east of DDH T-92-03. The hole targets a weak HLEM conductor in the vicinity of the linear magnetic break thought to reflect the underlying structural deformation zone.

DDH T-92-05

COLLAR: L28+00E, 6+00N (IMPERIAL GRID)  
AZIMUTH: 180 DEGREES  
DIP: -50 DEGREES  
ESTIMATED LENGTH: 240 METRES  
TARGET: This hole will continue testing the targeted mineralized zone, stepping 122 metres east and along strike from DDH T-92-04.

DDH T-92-06

COLLAR: L34+00E, 0+00 (IMPERIAL GRID)  
AZIMUTH: 180 DEGREES  
DIP: -50 DEGREES  
ESTIMATED LENGTH: 200 METRES  
TARGET: This hole is designed to test a previously undrilled weak HLEM conductor, in the vicinity of the possible strike extension of the "mineralized zone".

DDH T-92-07

COLLAR: L7+00W, 4+25N (METRIC GRID)  
AZIMUTH: 210 DEGREES  
DIP: -50 DEGREES  
ESTIMATED LENGTH: 200 METRES  
TARGET: This hole is designed to test the stratigraphy immediately northeast of DDH T-91-01, which collared into weakly anomalous graphitic sediments and altered fragmental volcanics very similar in appearance to the footwall sequence of the "mineralized zone", 1200 metres to the northwest. The hole targets a weak HLEM conductor, which may represent the graphitic shear\fault controlling mineralization within the main zone.

Obviously, this proposed program is flexible, and will be very much dependant on the results as they progress.

Estimated total costs for the program are outlined below.

ESTIMATED 1991\92 DRILLING PROGRAM COSTS  
TULLY PROJECT

1. DRILLING COSTS

Direct Drilling Costs: 1500M at \$55\M ..... \$82,500.  
Casing, and Miscellaneous Consumables: ..... \$7,500.

2. SUPERVISION AND GEOLOGICAL

Geologist: 40 days at \$270\day ..... \$10,800.  
Core Splitter: 30 days, at \$125\day ..... \$3,750.

3. ANALYTICAL

800 samples, at \$12\per sample ..... \$9,600.

4. ROADS AND TRAILS ..... \$5,000.

5. MACHINERY AND EQUIPMENT ..... \$2,500.

6. MISCELLANEOUS GEOLOGICAL ..... \$2,500.

7. OTHER ..... \$1,500.

---

TOTAL PROGRAM COSTS: ..... \$125,650.

(APPROXIMATELY \$83.73 PER METRE, ALL INCLUSIVE)

TABLE 5  
PROPOSED 1991\1992 DIAMOND DRILL HOLES

| <u>HOLE NUMBER</u> | <u>COLLAR</u>   | <u>GRID</u> | <u>AZIMUTH\DIPL</u> | <u>LENGTH</u> |
|--------------------|-----------------|-------------|---------------------|---------------|
| T-92-01            | L18+00E, 12+00N | IMPERIAL    | 180\ -50            | 220 M         |
| T-92-02            | L18+00E, 8+00N  | IMPERIAL    | 180\ -50            | 200 M         |
| T-92-03            | L20+00E, 9+00N  | IMPERIAL    | 180\ -50            | 240 M         |
| T-92-04            | L24+00E, 6+00N  | IMPERIAL    | 180\ -50            | 200 M         |
| T-92-05            | L28+00E, 6+00N  | IMPERIAL    | 180\ -50            | 240 M         |
| T-92-06            | L34+00E, 0+00   | IMPERIAL    | 180\ -50            | 200 M         |
| T-92-07            | L7+00W, 4+25N   | METRIC      | 210\ -50            | 200M          |
| <hr/>              |                 |             |                     |               |
| <b>TOTAL:</b>      |                 |             |                     | <b>1500 M</b> |

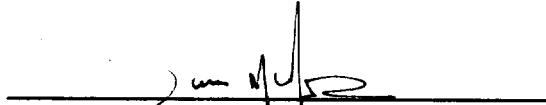
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## 6. STATEMENT OF QUALIFICATIONS

I, Duncan Forbes McIvor, hereby state that;

- I am a graduate of the University of Waterloo, holding an Honours B.ASc. in Earth Sciences.
- I have been actively employed in the mineral exploration business since 1974, holding various positions with Esso Minerals Canada, Utah Mines Ltd., Utah International Ltd., and Homestake Canada Ltd.
- I am currently employed by Homestake Canada Ltd. as a Regional Exploration Geologist.
- I have personal knowledge that the information presented in this report is accurate.

  
Duncan McIvor

MAY 1991, TIMMINS, ONT.

Date and Place



HOMESTAKE MINERAL DEVELOPMENT CO.

## DIAMOND DRILL LOG

Page 1 of 1

PROJECT T-10 ELEVATION -0  
 HOLE DESIGNATION T-91-01L (lost) AZIMUTH 210°  
 NTS \_\_\_\_\_ DIP -50°  
 CLAIM \_\_\_\_\_ LENGTH OF HOLE 52.4M  
 EASTING 17+20W CORE DIAMETER BQ  
 NORTHING 3+75N

CONTRACTOR NOREX  
 DATE STARTED FEBRUARY 08, 1991  
 DATE FINISHED FEBRUARY 09, 1991  
 LOGGED BY DUNCAN MCIVOR  
 DATE FEBRUARY, 1991  
 SCALE 1:100

BASELINE 090°

| TEST DEPTH | 0    |  |  |
|------------|------|--|--|
| AZIMUTH    | 210° |  |  |
| DIP        | -50° |  |  |

| DRILL<br>INTERVAL | RECORDED<br>CORE<br>LENGTH | CORE<br>RECOVERY | RQD | STRUCTURE |  | GRAPHIC | ROCK TYPE<br>(DESCRIPTION)                                                                                                   | ALTERATION<br>AND<br>VEINING | MINERAL PERCENTAGES |      |     | DEPTH | WIDTH | SAMPLE<br>NUMBER | ASSAY GEOCHEMISTRY |  |  |  |
|-------------------|----------------------------|------------------|-----|-----------|--|---------|------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------|------|-----|-------|-------|------------------|--------------------|--|--|--|
|                   |                            |                  |     |           |  |         |                                                                                                                              |                              | METRES              | FEET | PPM | PPM   | PPM   |                  |                    |  |  |  |
|                   |                            |                  |     |           |  |         | <u>0 - 52.4M OVERBURDEN</u><br><br>- @ 52.4M, CASING SNAPPED @ 30.48M,<br>(FROM 30.48 - 52.4M, BQ CASING LOST<br>IN GROUND). |                              |                     |      |     |       |       |                  |                    |  |  |  |

*D - M / 2*  
FEBRUARY 09, 91



## HOMESTAKE MINERAL DEVELOPMENT CO.

## DIAMOND DRILL LOG

Page 1 of 18

PROJECT TULLY ELEVATION -0  
HOLE DESIGNATION T-91-01 AZIMUTH 210°  
NTS 42A/14 DIP -55°  
CLAIM  LENGTH OF HOLE 320.0M  
EASTING 17+20 W (MERIC GAD) CORE DIAMETER BQ  
NORTHING 3+75 N

CONTRACTOR NOREX  
DATE STARTED FEBRUARY 09, 1991  
DATE FINISHED FEBRUARY 13, 1991  
LOGGED BY DUNCAN MCINNIS  
DATE FEBRUARY, 1991  
SCALE 1:100

|            |      |       |       |       |
|------------|------|-------|-------|-------|
| TEST DEPTH | 0    | 100.0 | 200.0 | 300.0 |
| AZIMUTH    | 210° | 210°  | 20°   | 210°  |
| DIP        | -55° | -52°  | -48°  | -46°  |

PROJECT TULLY HOLE DESIGNATION T-91-01 LOGGED BY DUNCAN MCIVOR SCALE 1:100 PAGE 2 OF 18

| DRILL INTERVAL |      | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | ROD           | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ALTERATION and VEINING                      | MINERAL PERCENTAGES |     |     |       |          | ASSAY GEOCHEMISTRY |      |                                               |                                                           |      |    |  |
|----------------|------|-----------------------|---------------|-----------------------|-----------|---------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------|-----|-----|-------|----------|--------------------|------|-----------------------------------------------|-----------------------------------------------------------|------|----|--|
| FROM           | TO   |                       |               |                       |           |               |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                             | Pg                  | Po  | Cpy | Other | Au (ppb) |                    |      |                                               | LAB                                                       |      |    |  |
| 70.0           |      |                       |               |                       |           |               |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                             |                     |     |     |       |          |                    |      |                                               |                                                           |      |    |  |
| 70.3           | 71.0 | 0.7                   | 100%          | 70°                   |           | 730<br>RUBBLE |         | 0-70.3 M OVERBURDEN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 30% GRB-CARB<br>VEINS                       | 22                  |     |     |       | 70.3     | 01                 | 346  |                                               |                                                           |      |    |  |
| 71.0           |      |                       |               |                       |           |               |         | 70.3-71.0 M GRB-CARB METASD.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                             |                     |     |     |       | 30%      | GRAN               | 71.0 | 2101                                          | 02                                                        |      |    |  |
| 71.0           | 74.0 | 3.0                   | 100%          | 80°                   |           | 11            |         | - pred vlg. black, relatively hard; siliceous graphite (30%)<br>metased. pyrophyllite → siltstone/wacke, granular grn in places.<br>v. crudely fol @ 70° to core.<br>- contains 30% Smn-1cm & contorted to breciated (but fol)<br>pred qtz minor ass. calc yrs & qtz-calc filled tracs.<br>- contains v. 2% Py pred-as vlg. disse min. halogen<br>qz veins. v. minor vlg. disse min.<br>- zone is rubble, may not be in place, irreg. & sharp<br>contact @ 71.0 m.                                                                                                                                                                                                                                                                                                                                            | Mod. SER-<br>CARB ALT,<br>5% GRB-CB<br>VNS. | 12                  | TR. | .   |       |          |                    |      | GRAN                                          | 71.0                                                      | 2102 | 10 |  |
| 73.0           |      |                       |               |                       |           |               |         | 71.0-78.3 M AMALGAMALOIDAL BASALT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                             |                     |     |     |       | 32.0     | 2103               | <5   |                                               | MINOR<br>GRAN<br>AS<br>FRAG<br>FILL.                      |      |    |  |
| 74.0           |      |                       |               |                       |           |               |         | - light greyish green, bleached appearing. vlg. met. sch @<br>or tangling 75-85° core (pred. 80°). sch is kinked, even<br>in places.<br>- soft, mod. ser. carb alt. carb pred calc, minor Fe carb.<br>contains 3-9 mm small & 1mm disse Kf blebs<br>- amygdaloidal. c. 3-5% (avg) 1-5 mm pred calc, minor qtz<br>spherical blebs, occ. stretched elongate "hol."<br>mod. to strongly fractured, pred II fol & cutting fol @ 45° core,<br>c. calc. some qtz. set. & in places chl. graph. haloc. fill.<br>contains 5% Smn-2 cm qtz-calc yrs, pred II fol & cutting<br>fol @ 45° core, yrs usually contorted to brecc.<br>average sulphide content: 1% Py, pred ass & thin qtz-calc<br>ws & filled tracs, only v. minor vlg. disse min.<br>@ 71.5, 1cm qtz-calc yrs II fol & 2% Py, locally rk adularia<br>yrs. |                                             |                     |     |     |       |          |                    |      | 73.0                                          | 2104                                                      | <5   |    |  |
| 75.0           | 74.0 | 77.0                  | 3.0           | 100%                  |           | 12            |         | - average, sulphide content: 1% Py, pred ass & thin qtz-calc<br>ws & filled tracs, only v. minor vlg. disse min.<br>@ 71.5, 1cm qtz-calc yrs II fol & 2% Py, locally rk adularia<br>yrs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                             |                     |     |     |       |          | 74.0               | 2105 | <5                                            |                                                           |      |    |  |
| 76.0           |      |                       |               |                       |           |               |         | - from 72.5-72.8, numerous 1-10 cm hyperb. lighter beige<br>Fe carb alt & strongly breciated (no frag. app) zones.<br>@ 76.0, 1cm qtz-calc yrs @ 80° core & hence reorientation.<br>from 76.1-76.3, 50% Smn-1cm dark grey qtz yrs II fol<br>c. halo. Py-Po.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                             |                     |     |     |       |          | 75.0               | 2106 | <5                                            |                                                           |      |    |  |
| 77.0           | 77.0 | 80.0                  | 3.0           | 100%                  |           | 10            |         | - from 76.9-77.1, 30% Smn-1cm breciated, contorted black<br>wky carbonaceous qtz-carb "bands" /veins @ 75° core,<br>often offset (minimally) by thin faults/tracs & cutting fol @<br>45° core.. tr. Pg-Po.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                     |     |     |       |          | 76.0               | 2107 | 7                                             |                                                           |      |    |  |
| 78.0           |      |                       |               |                       |           |               |         | - from 77.3-77.6, 20% Smn-1cm calc yrs @ 45° core.<br>- contact @ 78.3 based on grain size.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                             |                     |     |     |       |          | 77.0               | 2108 | <5                                            |                                                           |      |    |  |
| 79.0           |      |                       |               |                       |           |               |         | 78.3-80.9 M MOD SER. CARB & BASALT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                             |                     |     |     |       | 78.3     | 2109               | <5   |                                               |                                                           |      |    |  |
| 80.0           | 80.0 | 83.0                  | 3.0           | 100%                  |           |               |         | - as in preceding unit, but coarser, to lg. light green to<br>greenish green, mod. sch @ 60° to core.<br>- mottled app. c. 15-20 1-2 mm lcs blebs/splgs II fol.<br>- wky amygdaloidal. c. 5-10 1-3 mm calc. occ. qtz amyg.<br>mod trac. II fol & cutting fol @ 45° core, c. calc. minor<br>qtz chl. graphite halo. haloc. fill.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                             |                     |     |     |       |          |                    | 80.0 | 2110                                          | <5                                                        |      |    |  |
| 81.0           |      |                       |               |                       |           |               |         | - mod calc (v. minor Fe carb & Kf) - ser. alt.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                             |                     |     |     |       |          |                    |      |                                               | V. STRONG<br>Fe CARBS<br>SER. ALT.<br>20% GRB-CARB<br>VNS |      |    |  |
| 82.0           |      |                       |               |                       |           |               |         | 0.5%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                           | -                   |     |     |       | 82.0     | 2111               | 7    |                                               |                                                           |      |    |  |
| 83.0           |      |                       |               |                       |           |               |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                             |                     |     |     |       | 83.0     | 2112               | <5   |                                               |                                                           |      |    |  |
| 84.0           | 83.0 | 86.0                  | 3.0           | 100%                  | 60°       | 8             |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                             |                     |     |     |       | 84.0     | 2113               | <5   |                                               |                                                           |      |    |  |
| 85.0           |      |                       |               |                       |           |               |         | <2% thin (to 1cm) qtz-calc yrs II fol. v. thin qz yrs.<br>only trace Py. as trac. fill. & min. qtz & Kf yrs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                             |                     |     |     |       | 85.0     | 2114               | <5   | INTENSE<br>SELENITE<br>TALC-CHL-<br>CARB ALT. |                                                           |      |    |  |

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | ROD        | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                       | ALTERATION and VEINING | MINERAL PERCENTAGES |    |     |       |      | ASSAY GEOCHEMISTRY |               |          |          |     |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|------------|---------|---------------------------------------------------------------------------------------------------------------|------------------------|---------------------|----|-----|-------|------|--------------------|---------------|----------|----------|-----|
| FROM           | TO    |                       |               |                       |           |            |         |                                                                                                               |                        | Pg                  | Po | Cpy | Other | 85.0 | DEPTH              | SAMPLE NUMBER | As (ppb) | Ag (ppb) | Lab |
| 85.0           | 86.0  | 3.0                   | 100%          | 60°                   |           | 8          |         | 84.0-87.5M INTENSELY SHEARED, SERICITIZED (& TALC, CHL, CALC) VOLCANIC FRAGMENTAL (OR EPICLASTIC EQUIVALENT). |                        |                     |    |     |       | 85.0 | 15                 | 2115          | <5       |          |     |
| 86.0           | 87.0  |                       |               |                       |           |            |         |                                                                                                               |                        | 1%                  | -  | -   |       | 86.0 | 16                 |               |          |          |     |
| 87.0           | 88.0  | 3.0                   | 100%          | 75°                   |           | 7          |         |                                                                                                               |                        |                     |    |     |       | 87.0 | 2116               | <5            |          |          |     |
| 88.0           | 89.0  |                       |               |                       |           |            |         |                                                                                                               |                        |                     |    |     |       | 87.5 | 2117               | 5             |          |          |     |
| 89.0           | 90.0  | 3.0                   | 100%          |                       |           | 8          |         |                                                                                                               |                        |                     |    |     |       | 88.5 | 2118               | <5            |          |          |     |
| 90.0           | 91.0  |                       |               |                       |           |            |         |                                                                                                               |                        |                     |    |     |       | 89.5 | 2119               | <5            |          |          |     |
| 91.0           | 92.0  | 3.0                   | 100%          |                       |           | 8          |         |                                                                                                               |                        |                     |    |     |       | 90.5 | 2120               | <5            |          |          |     |
| 92.0           | 93.0  |                       |               |                       |           |            |         |                                                                                                               |                        |                     |    |     |       | 91.5 | 2121               | <5            |          |          |     |
| 93.0           | 94.0  | 3.0                   | 100%          |                       |           | 15         |         |                                                                                                               |                        |                     |    |     |       | 92.5 | 2122               | <5            |          |          |     |
| 94.0           | 95.0  |                       |               |                       |           |            |         |                                                                                                               |                        |                     |    |     |       | 93.5 | 2123               | <5            |          |          |     |
| 95.0           | 96.0  | 3.0                   | 100%          | 70-80°                |           | >50 RUBBLE |         |                                                                                                               |                        |                     |    |     |       | 94.0 | 2124               | 5             |          |          |     |
| 96.0           | 97.0  |                       |               |                       |           |            |         |                                                                                                               |                        |                     |    |     |       | 95.0 | 2125               | <5            |          |          |     |
| 97.0           | 98.0  | 3.0                   | 100%          | 70-80°                |           | >50 RUBBLE |         |                                                                                                               |                        |                     |    |     |       | 96.0 | 2126               | <5            |          |          |     |
| 98.0           | 99.0  |                       |               |                       |           |            |         |                                                                                                               |                        |                     |    |     |       | 97.0 | 2127               | 7             |          |          |     |
| 99.0           | 100.0 | 1.5                   | 50%           |                       |           | >50 RUBBLE |         |                                                                                                               |                        |                     |    |     |       | 98.0 | 2128               | 9/12          |          |          |     |

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | ROD    | GRAPHIC | ROCK TYPE (DESCRIPTION)                  | ALTERATION AND VENING                                             | MINERAL PERCENTAGES |    |     |       |           | ASSAY GEOCHEMISTRY |      |       | LAB |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|--------|---------|------------------------------------------|-------------------------------------------------------------------|---------------------|----|-----|-------|-----------|--------------------|------|-------|-----|
| FROM           | TO    |                       |               |                       |           |        |         |                                          |                                                                   | Py                  | Rb | Cpy | Other | Py        | Rb                 | Cpy  | Other |     |
| 100.0          | 98.0  | 101.0                 | 1.5           | 50%                   | 70°       | FAULT  | >50     | 87.5-96.0 M CONTINUED                    | 70% of RUBBLE IS GAZ-MAG VEIN MAT., HOST IS STRONGLY SILICIFIED.  | 0-5%                | -  | -   | -     | 200       | 2128               | 2/12 |       |     |
| 101.0          |       |                       |               |                       |           | RUBBLE |         |                                          |                                                                   |                     |    |     |       | 101.0     |                    | 29   |       |     |
| 102.0          | 101.0 | 104.0                 | 1.5           | 50%                   | 50°       | RUBBLE | >50     | 96.0-104.0 GRAPHITIC BRECCIA/FAULT GOUGE | 60° AT 2 VEN. TR.                                                 | -                   | -  | -   | 42    | 2129      | 47                 |      |       |     |
| 103.0          |       |                       |               |                       |           | RUBBLE |         |                                          |                                                                   |                     |    |     |       | 104.0     |                    |      |       |     |
| 104.0          | 104.0 | 107.0                 | 3.0           | 100%                  | 60°       | RUBBLE | 750     | RUBBLE                                   | 60° AT 2 VEN. TR.                                                 | -                   | -  | -   | 42    | 2130      | 76                 |      |       |     |
| 105.0          |       |                       |               |                       |           | RUBBLE | RUBBLE  |                                          | 60% Fe CARB. 30% SER.                                             | 2%                  |    |     |       | TR. 105.3 | 2131               | <5   |       |     |
| 106.0          | 104.0 | 107.0                 | 3.0           | 100%                  | 60°       |        |         |                                          |                                                                   |                     |    |     |       | SPH 103.6 | 2132               | 83   |       |     |
| 107.0          |       |                       |               |                       |           |        | 15      |                                          |                                                                   |                     |    |     |       | 106.7     | 2133               | <5   |       |     |
| 108.0          | 107.0 | 110.0                 | 3.0           | 100%                  |           |        |         |                                          | INTENSE SERICITE (MINOR TAILING) ALT., 20% CARB. MINOR GAZ VENNS. |                     |    |     |       | 107.7     | 2134               | <5   |       |     |
| 109.0          |       |                       |               |                       |           |        |         |                                          | TR.                                                               | -                   | -  | -   | 108.7 | 2135      | <5                 |      |       |     |
| 110.0          | 110.0 | 113.0                 | 3.0           | 100%                  | 30°       |        | 8       |                                          |                                                                   |                     |    |     |       | 109.7     | 2136               | <5   |       |     |
| 111.0          |       |                       |               |                       |           |        |         |                                          |                                                                   |                     |    |     |       | 111.0     | 2137               | <5   |       |     |
| 112.0          | 110.0 | 113.0                 | 3.0           | 100%                  | 0-80°     | 0-80°  |         |                                          | STRONG SER. W/ CARB ALT.                                          | 2%                  | -  | -   | -     | 112.0     | 2138               | <5   |       |     |
| 113.0          |       |                       |               |                       |           |        |         |                                          |                                                                   |                     |    |     |       | 112.1     | 2139               | 6/9  |       |     |
| 114.0          | 113.0 | 116.0                 | 3.0           | 100%                  | 50-80°    | 50-80° |         |                                          |                                                                   |                     |    |     |       | 113.1     | 2140               | 36   |       |     |
| 115.0          |       |                       |               |                       |           |        |         |                                          | INTENSE SER. (TAILING) ALT.                                       | 2%                  |    |     |       | 114.0     | 2141               | 41   | 7     |     |
|                |       |                       |               |                       |           |        |         |                                          | TR.                                                               |                     |    |     |       |           | 2142               | 42   | <5    |     |

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| DRILL<br>INTERVAL | RECOVERED<br>CORE<br>LENGTH |     | CORE<br>RECOVERY | FOLIATION<br>OR<br>CLEAVAGE | STRUCTURE | ROD | GRAPHIC | ROCK TYPE<br>(DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ALTERATION<br>and<br>VENNING                                    | MINERAL PERCENTAGES |     |     |   |      | ASSAY GEOCHEMISTRY |       |      |    | LAB |  |  |  |  |
|-------------------|-----------------------------|-----|------------------|-----------------------------|-----------|-----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------|-----|-----|---|------|--------------------|-------|------|----|-----|--|--|--|--|
|                   | FROM                        | TO  |                  |                             |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                 | Py                  | Po  | Cpy |   | Orf. | Atg<br>(ppm)       |       |      |    |     |  |  |  |  |
| 113.0             | 116.0                       | 3.0 | 100%             | 60-70°                      |           | 5   |         | 113.1-115.5M BRECCIATED, + STRONGLY SERICITIZED<br>MAFIC (TO UM-LOW Mg KOM?) VOLC.<br>- rock is vr soft, intensely sh. schistose, orientations highly<br>variable, highly folded in places, at ~60-70° to cat.<br>ranges 0-90° to cat.<br>- light gray, comp. pred. of ser (t. bals?), some wk per.<br>cat (mag) alt. in places.<br>- strongly autobrecciated appearing, c angular to sub-rounded<br>fragms to 1-2 cm, in similar composition matrix.<br>- strongly fractured, @ all orientations, c calc. pyroxene, ser,<br>cat bals. ill.<br>- 5% thin contorted to brecciated mag-major calc. qtz vns.<br>- from 113.1-114.0M, contains 2% vlg chl & Py & Po<br>cat bals (2 locally abundant obs hematite).<br>from 114.0-115.5, only tr. Py pred as breccia.<br>from 113.1-113.4, sch is intensely contorted, highly folded.<br>from 114.3-114.9, open fold nose, cat is 60°-0°-60°.<br>@ 115.0, 6 cm qtz-mag vns @ 80° to cat.<br>gradational contact w underlying massive unit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | STRONG SER<br>ALT.                                              | TR.                 | -   | .   |   | .    | 45.5               | 2142  | 42   | <5 |     |  |  |  |  |
| 116.0             | 119.0                       | 3.0 | 100%             | 60°                         |           | 5   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | WK CHL,<br>& WK<br>BLEACHING<br>(SIL-SER-CARB)<br>IN<br>PLACES. | 1%                  | TR. | .   | . | .    |                    |       |      |    |     |  |  |  |  |
| 119.0             | 122.0                       | 3.0 | 100%             |                             |           | 3   |         | 115.5-199.5 ANHYDROUS BASALT. (PILLOWED)<br><br>- massive, to + wky, crudely foliated @ 60° to cat,<br>light to medium green, wky chl <sup>2</sup> to wky bleached appearing.<br>- w well dev amygduoidal tvt, 10% 3-5 mm spherical<br>pred. calc., some bals, some<br>mod. to strongly "microfractured" @ all orientations,<br>pred. calcite, some chl, bals freq. ill.<br>- 5% 1-3 cm qtz-calc-pyroxene veins pred vs sub. wk<br>bol. but other br. present.<br>- average sulphide content: 1% Py, tr. Po, associated pred. c<br>qz-carbings & as fracture filling. (to 1% Po in places)<br>- wky autobrecciated in places.<br>- from 115.7-115.9, avn. 1 cm contorted catb vns & 2% Py @<br>vn margins.<br>- @ 116.5, elev 1 cm calc minor qtz vns w/ bol & 2% Py.<br>- from 116.9-117.2, 2 cm calc-chl-minor qtz vns @ 30° cat &<br>2% Py @ vn margins.<br>- from 117.2-117.6, locally strongly autobrecc (flat top).<br>- from 119.7-120.2, locally 3% Py, 1% Po, as frac. ill &<br>vn. ass & 3 cm calc minor qtz vns w/ bol @ 119.8, 120.1<br>- unit looks "dacitic to andesitic" in places, due to wk<br>"bleaching", relatively hard.<br>- from 120.8-121.0, 20% 1-2 cm pred. calc minor qtz vns @<br>30-60° to cat, & 1% Py-Po @ vn margins.<br>- from 121.4-122.8, several 3-mm-1 cm calc-minor qtz<br>stringers @ 0° to cat, & 1% ass Py-Po.<br>@ 123.2, 10 cm calc-qtz vn @ 30° to cat.<br>- from 124.3-124.4, 10 cm autobrecc/pillow breccia zone.<br>@ 124.4, 1 cm qtz vn @ 40° to cat. | 5-15%<br>QTZ-CALC-<br>CHL VNS                                   |                     |     |     |   |      |                    |       |      |    |     |  |  |  |  |
| 122.0             | 125.0                       | 3.0 | 100%             |                             |           | 3   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                 |                     |     |     |   |      |                    | 119.7 | 2143 | 43 | 6   |  |  |  |  |
| 125.0             | 126.0                       |     |                  |                             |           | 6   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                 |                     |     |     |   |      |                    | 122.0 | 2144 | 44 | 6   |  |  |  |  |
| 126.0             | 127.0                       |     |                  |                             |           | 6   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                 |                     |     |     |   |      |                    | 123.0 | 2145 | 45 |     |  |  |  |  |
| 127.0             | 128.0                       |     |                  |                             |           | 5   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                 |                     |     |     |   |      |                    | 125.0 | 2146 | 46 | <5  |  |  |  |  |
| 128.0             | 131.0                       | 3.0 | 100%             |                             |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                 |                     |     |     |   |      |                    | 126.0 | 2147 | 47 | 9   |  |  |  |  |

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE # | ROD | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ALTERATION AND VENING                                           | MINERAL PERCENTAGES |      |     |   |   | ASSAY GEOCHEMISTRY |      | LAB |  |
|----------------|-------|-----------------------|---------------|-----------------------|-------------|-----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------|------|-----|---|---|--------------------|------|-----|--|
| FROM           | TO    |                       |               |                       |             |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                 | Pg                  | Po   | Cpy | - | - | OTH.               |      |     |  |
| 188.0          | 191.0 | 3.0                   | 100%          | 50-60°                |             | 2   |         | 115.5 - 199.5 M CONTINUED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | WLK CHL ALT.<br>WLLY BLCHED,<br>5-15% GR2<br>CALC-CAL<br>VEINS. | 17.                 | 17.  | -   | - | - | 191.0              | 66   |     |  |
| 191.0          | 194.0 | 3.0                   | 100%          |                       |             | 3   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                 |                     |      |     |   |   |                    | 2166 | <5  |  |
| 194.0          | 197.0 | 3.0                   | 100%          |                       |             | 4   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                 |                     |      |     |   |   |                    |      |     |  |
| 197.0          | 200.0 | 3.0                   | 100%          |                       |             | 4   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                 |                     |      |     |   |   |                    |      |     |  |
| 199.0          | 200.0 | 3.0                   | 100%          | 50-55°                |             | 5   |         | 199.5 - 210.5 M FG. KILLINE BASALT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | WLK. CHL.<br>ALT.                                               | 17.                 | 17.  | -   | - | - | 195.5              | 43   |     |  |
| 201.0          | 203.0 | 3.0                   | 100%          |                       |             | 4   |         | dk green, only v. wlkly to mod. sch. @ 50-55° to cov.<br>fg. well dev. sline hit. almost "cumulate" htd app in<br>places<br>- wlkly to mod. chloritized.<br>- mod. fractured, pred. II fol. ± chl, calc. minor Py-Po brcc fill.<br>- 5% diss < 1mm white lct blebs<br>- v. homogeneous<br>- ~ 5% thin (to 1cm) irreg. calc-chl "veins" / seams<br>pred II fol. wlkly brecciate rock in places, usually carry<br>minor asst. Py-Po.<br>- average sulphide content: 0.5% Po, tr. Py, pred. ass & calc-<br>chl seams brcc fill, only v. minor v. v. diss min.<br>- a few (< 5%) thin wlkly auto-brecciated zones<br>- also fines grained. irreg. chl, more strongly chl/z zones.<br>@ 200.8-201.0, 20 cm brecciated zone, by this chl-calc<br>seams II fol. ± 3% Po, tr. Py.<br>- from 202.5 - 202.8, wlkly brcc by a few thin calc-chl<br>seams, ± 2% ass Po. | WEAK<br>CHLORITE<br>ALT.                                        | TR.                 | 0.5% | -   | - | - | 200.0              | 68   |     |  |
| 203.0          | 206.0 | 3.0                   | 100%          |                       |             |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                 |                     |      |     |   |   | 201.0              | 2168 | <5  |  |

PROJECT Tony

HOLE DESIGNATION T-91-01

LOGGED BY DUNCAN MCIVOR

SCALE 1:100

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PROJECT Tony

HOLE DESIGNATION T-91-01

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PROJECT TULLY

HOLE DESIGNATION T-91-01

LOGGED BY Duncan McIVOR

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PROJECT Tony

HOLE DESIGNATION T-91-01

LOGGED BY DUNCAN MINOR

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RAD | GRAPHIC | ROCK TYPE (DESCRIPTION) | ALTERATION and VENING                                      | MINERAL PERCENTAGES |                |                |   |   |      | DEPTH 2500 | SAMPLE NUMBER | ASSAY GEOCHEMISTRY |    | LAB |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|-------------------------|------------------------------------------------------------|---------------------|----------------|----------------|---|---|------|------------|---------------|--------------------|----|-----|
| FROM           | TO    |                       |               |                       |           |     |         |                         |                                                            | P <sub>4</sub>      | P <sub>6</sub> | C <sub>4</sub> | - | - | OTH. |            |               |                    |    |     |
| 250.0          | 248.0 | 251.0                 | 3.0           | 100%                  | 30°-55°   | 3   |         | 2D-S-293.04 CONTINUED   | 30%<br>BLEACHED,<br>SILICIFIED<br>ZONES                    | 0.5%                | 1%             | -              | - | - | -    | 251.0      | 80            | 2180               | <5 |     |
| 251.0          | 252.0 |                       |               |                       |           | 3   |         |                         |                                                            |                     |                |                |   |   |      | 252.0      | 81            | 2181               | <5 |     |
| 252.0          | 253.0 | 254.0                 | 3.0           | 100%                  |           | 3   |         |                         |                                                            |                     |                |                |   |   |      | 253.0      | 82            | 2182               | <5 |     |
| 253.0          | 254.0 |                       |               |                       |           | 3   |         |                         |                                                            |                     |                |                |   |   |      | 254.0      | 83            | 2183               | <5 |     |
| 254.0          | 255.0 | 257.0                 | 3.0           | 100%                  |           | 3   |         |                         | MOD.<br>BLEACHED,<br>SILICIFIED,<br>5-10% OZ-<br>CARB WKS. | 0.5%                | 1%             | -              | - | - | -    | 255.0      | 84            | 2184               | <5 |     |
| 255.0          | 256.0 |                       |               |                       |           | 3   |         |                         |                                                            |                     |                |                |   |   |      | 256.0      | 85            | 2185               | <5 |     |
| 256.0          | 257.0 | 260.0                 | 3.0           | 100%                  |           | 3   |         |                         |                                                            |                     |                |                |   |   |      | 257.0      |               |                    |    |     |
| 257.0          | 258.0 |                       |               |                       |           | 3   |         |                         |                                                            |                     |                |                |   |   |      | 258.0      |               |                    |    |     |
| 258.0          | 259.0 | 260.0                 | 3.0           | 100%                  |           | 3   |         |                         |                                                            |                     |                |                |   |   |      | 259.0      |               |                    |    |     |
| 259.0          | 260.0 |                       |               |                       |           | 3   |         |                         |                                                            |                     |                |                |   |   |      | 260.0      |               |                    |    |     |
| 260.0          | 261.0 | 263.0                 | 3.0           | 100%                  |           | 3   |         |                         | MOD.<br>BLEACHED,<br>SILC.                                 | 0.5%                | 1%             | -              | - | - | -    | 261.0      |               |                    |    |     |
| 261.0          | 262.0 |                       |               |                       |           | 3   |         |                         |                                                            |                     |                |                |   |   |      | 262.0      |               |                    |    |     |
| 262.0          | 263.0 |                       |               |                       |           | 3   |         |                         |                                                            |                     |                |                |   |   |      | 263.0      |               |                    |    |     |
| 263.0          | 264.0 | 266.0                 | 3.0           | 100%                  |           | 3   |         |                         |                                                            |                     |                |                |   |   |      | 264.0      |               |                    |    |     |
| 264.0          | 265.0 |                       |               |                       |           | 3   |         |                         |                                                            |                     |                |                |   |   |      | 265.0      |               |                    |    |     |

PROJECT TullyHOLE DESIGNATION T-91-01LOGGED BY Duncan McIvorSCALE 1:100PAGE 15 OF 18

| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE (DESCRIPTION)      | ALTERATION and VEINING | MINERAL PERCENTAGES |    |     |   |   |      | DEPTH     | SAMPLE NUMBER | ASSAY GEOCHEMISTRY |    |  |  | LAB |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|------------------------------|------------------------|---------------------|----|-----|---|---|------|-----------|---------------|--------------------|----|--|--|-----|
| FROM           | TO    |                       |               |                       |           |     |         |                              |                        | Pg                  | Po | Kpy | - | - | Ort. |           |               | Au (ppb)           |    |  |  |     |
| 265.0          | 263.0 | 266.0                 | 3.0           | 100%                  | 50-55°    | 3   |         | <u>20-5-293-0M CONTINUED</u> |                        |                     |    |     |   |   |      | TR. FUCH. | 266.0         |                    |    |  |  |     |
| 266.0          | 266.0 | 267.0                 | 3.0           | 100%                  |           | 3   |         |                              |                        | 0.56                | 12 | -   | - | - |      |           |               | 58                 |    |  |  |     |
| 267.0          | 266.0 | 267.0                 | 3.0           | 100%                  |           | 3   |         |                              |                        |                     |    |     |   |   |      |           |               | 2188               | <5 |  |  |     |
| 268.0          | 266.0 | 268.0                 | 3.0           | 100%                  |           | 5   |         |                              |                        |                     |    |     |   |   |      |           |               | 89                 |    |  |  |     |
| 269.0          | 266.0 | 269.0                 | 3.0           | 100%                  |           | 5   |         |                              |                        |                     |    |     |   |   |      |           |               | 2189               | <5 |  |  |     |
| 270.0          | 266.0 | 270.0                 | 3.0           | 100%                  |           | 5   |         |                              |                        |                     |    |     |   |   |      |           |               | 60                 |    |  |  |     |
| 271.0          | 266.0 | 271.0                 | 3.0           | 100%                  |           | 5   |         |                              |                        |                     |    |     |   |   |      |           |               | 2190               | <5 |  |  |     |
| 272.0          | 266.0 | 272.0                 | 3.0           | 100%                  |           | 5   |         |                              |                        |                     |    |     |   |   |      |           |               | 91                 |    |  |  |     |
| 273.0          | 266.0 | 273.0                 | 3.0           | 100%                  |           | 5   |         |                              |                        |                     |    |     |   |   |      |           |               | 2191               | <5 |  |  |     |
| 274.0          | 266.0 | 274.0                 | 3.0           | 100%                  |           | 5   |         |                              |                        |                     |    |     |   |   |      |           |               | 92                 |    |  |  |     |
| 275.0          | 266.0 | 275.0                 | 3.0           | 100%                  |           | 5   |         |                              |                        |                     |    |     |   |   |      |           |               | 2192               | 6  |  |  |     |
| 276.0          | 266.0 | 276.0                 | 3.0           | 100%                  |           | 6   |         |                              |                        |                     |    |     |   |   |      |           |               | 93                 |    |  |  |     |
| 277.0          | 266.0 | 277.0                 | 3.0           | 100%                  |           | 6   |         |                              |                        |                     |    |     |   |   |      |           |               | 2193               | <5 |  |  |     |
| 278.0          | 266.0 | 278.0                 | 3.0           | 100%                  |           | 8   |         |                              |                        |                     |    |     |   |   |      |           |               | 94                 |    |  |  |     |
| 279.0          | 266.0 | 279.0                 | 3.0           | 100%                  |           |     |         |                              |                        |                     |    |     |   |   |      |           |               | 2194               | 5  |  |  |     |
| 280.0          | 266.0 | 280.0                 | 3.0           | 100%                  |           |     |         |                              |                        |                     |    |     |   |   |      |           |               | 95                 |    |  |  |     |
| 281.0          | 266.0 | 281.0                 | 3.0           | 100%                  |           |     |         |                              |                        |                     |    |     |   |   |      |           |               | 2195               | <5 |  |  |     |
| 282.0          | 266.0 | 282.0                 | 3.0           | 100%                  |           |     |         |                              |                        |                     |    |     |   |   |      |           |               | 96                 |    |  |  |     |
| 283.0          | 266.0 | 283.0                 | 3.0           | 100%                  |           |     |         |                              |                        |                     |    |     |   |   |      |           |               | 2196               | <5 |  |  |     |
| 284.0          | 266.0 | 284.0                 | 3.0           | 100%                  |           |     |         |                              |                        |                     |    |     |   |   |      |           |               | 97                 |    |  |  |     |
| 285.0          | 266.0 | 285.0                 | 3.0           | 100%                  |           |     |         |                              |                        |                     |    |     |   |   |      |           |               | 2197               | <5 |  |  |     |
| 286.0          | 266.0 | 286.0                 | 3.0           | 100%                  |           |     |         |                              |                        |                     |    |     |   |   |      |           |               | 98                 |    |  |  |     |
| 287.0          | 266.0 | 287.0                 | 3.0           | 100%                  |           |     |         |                              |                        |                     |    |     |   |   |      |           |               | 2198               | <5 |  |  |     |
| 288.0          | 266.0 | 288.0                 | 3.0           | 100%                  |           |     |         |                              |                        |                     |    |     |   |   |      |           |               | 99                 |    |  |  |     |
| 289.0          | 266.0 | 289.0                 | 3.0           | 100%                  |           |     |         |                              |                        |                     |    |     |   |   |      |           |               | 100                |    |  |  |     |
| 290.0          | 266.0 | 290.0                 | 3.0           | 100%                  |           |     |         |                              |                        |                     |    |     |   |   |      |           |               | 101                |    |  |  |     |
| 291.0          | 266.0 | 291.0                 | 3.0           | 100%                  |           |     |         |                              |                        |                     |    |     |   |   |      |           |               | 2200               | 5  |  |  |     |
| 292.0          | 266.0 | 292.0                 | 3.0           | 100%                  |           |     |         |                              |                        |                     |    |     |   |   |      |           |               | 102                |    |  |  |     |
| 293.0          | 266.0 | 293.0                 | 3.0           | 100%                  |           |     |         |                              |                        |                     |    |     |   |   |      |           |               | 2201               | <5 |  |  |     |

PROJECT TullyHOLE DESIGNATION T-91-01LOGGED BY DUNCAN MINORSCALE 1:100PAGE 16 OF 18

| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | ROD | GRAPHIC | ROCK TYPE<br>(DESCRIPTION)                                                                                                              | ALTERATION and VENNING | MINERAL PERCENTAGES |    |     |   |   |       | ASSAY GEOCHEMISTRY |               |             |  |  |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------|----|-----|---|---|-------|--------------------|---------------|-------------|--|--|
| FROM           | TO    |                       |               |                       |           |     |         |                                                                                                                                         |                        | Py                  | Po | Cpy | - | - | OTH.  | DEPTH              | SAMPLE NUMBER | Ag<br>(ppb) |  |  |
| 278.0          | 281.0 | 3.0                   | 100%          | 55°                   |           | 8   |         | <u>240.5 - 293.0 M. CONTINUED</u><br><br>WILLY-MED<br>BLEACHED,<br>SILICIFIED<br>(ALT. OF<br>PILLOW<br>SELVAGES)<br>5% CRZ.<br>CARB MS. | 0.5% 1%                |                     |    |     |   |   |       | 280.0              | 162           |             |  |  |
| 281.0          | 284.0 | 3.0                   | 100%          |                       |           | 5   |         |                                                                                                                                         |                        |                     |    |     |   |   |       | 281.0              | 2202          | 11          |  |  |
| 284.0          | 287.0 | 3.0                   | 100%          |                       |           | 5   |         |                                                                                                                                         |                        |                     |    |     |   |   |       | 282.0              | 163           |             |  |  |
| 287.0          | 290.0 | 3.0                   | 100%          |                       |           | 9   |         |                                                                                                                                         |                        |                     |    |     |   |   |       | 283.0              | 2203          | 5           |  |  |
| 290.0          | 293.0 | 3.0                   |               |                       |           | 7   |         |                                                                                                                                         |                        |                     |    |     |   |   |       | 284.0              |               |             |  |  |
| 293.0          | 296.0 | 3.0                   |               | 85°                   |           | 6   |         |                                                                                                                                         | STRONGLY<br>CHL. I.    |                     |    |     |   |   | 285.0 |                    |               |             |  |  |
| 296.0          | 299.0 | 3.0                   |               |                       |           |     |         |                                                                                                                                         |                        |                     |    |     |   |   |       | 286.0              |               |             |  |  |
| 299.0          | 302.0 | 3.0                   |               |                       |           |     |         |                                                                                                                                         |                        |                     |    |     |   |   |       | 287.0              | 164           | <5          |  |  |
| 302.0          | 305.0 | 3.0                   |               |                       |           |     |         |                                                                                                                                         |                        |                     |    |     |   |   |       | 288.0              |               |             |  |  |
| 305.0          | 308.0 | 3.0                   |               |                       |           |     |         |                                                                                                                                         |                        |                     |    |     |   |   |       | 288.5              | 165           |             |  |  |
| 308.0          | 311.0 | 3.0                   |               |                       |           |     |         |                                                                                                                                         |                        |                     |    |     |   |   |       | 289.0              | 2205          | <5          |  |  |
| 311.0          | 314.0 | 3.0                   |               |                       |           |     |         |                                                                                                                                         |                        |                     |    |     |   |   |       | 290.0              | 166           |             |  |  |
| 314.0          | 317.0 | 3.0                   |               |                       |           |     |         |                                                                                                                                         |                        |                     |    |     |   |   |       | 291.0              | 2206          | 5           |  |  |
| 317.0          | 320.0 | 3.0                   |               |                       |           |     |         |                                                                                                                                         |                        |                     |    |     |   |   |       | 292.0              | 167           | <5          |  |  |
| 320.0          | 323.0 | 3.0                   |               |                       |           |     |         |                                                                                                                                         |                        |                     |    |     |   |   |       | 293.0              | 168           |             |  |  |
| 323.0          | 326.0 | 3.0                   |               |                       |           |     |         |                                                                                                                                         |                        |                     |    |     |   |   |       | 294.0              | 2208          | <5          |  |  |
| 326.0          | 329.0 | 3.0                   |               |                       |           |     |         |                                                                                                                                         |                        |                     |    |     |   |   |       | 295.0              | 169           |             |  |  |
| 329.0          | 332.0 | 3.0                   |               |                       |           |     |         |                                                                                                                                         |                        |                     |    |     |   |   |       | 294.0              | 2209          | <5          |  |  |
| 332.0          | 335.0 | 3.0                   |               |                       |           |     |         |                                                                                                                                         |                        |                     |    |     |   |   |       | 295.0              | 110.          |             |  |  |
| 335.0          | 338.0 | 3.0                   |               |                       |           |     |         |                                                                                                                                         |                        |                     |    |     |   |   |       | 296.0              | 2210          | <5          |  |  |

293.0 - 295.3 M. SHEARED, CHLORITIZED BASALT  
 - as in preceding unit, but locally strongly schistose,  
 sheared @ 55° to cat., v. soft, strongly chloritized,  
 only tr. py-Po. pred as frac. ill & min. ass in a few thin  
 qtz. carb ms.  
 - @ 294.9, 2 cm qtz-fa/mg carb w/ @ 55° cat.  
 - relatively sharp contact @ 295.7 ± underlying by alline  
 basalt.

PROJECT Tony

HOLE DESIGNATION T-91-01

LOGGED BY DUNCAN MCFARLAIN

SCALE 1:100

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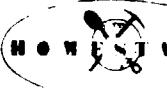
PROJECT Tony

HOLE DESIGNATION T-91-01

LOGGED BY DUNCAN MCTYRE

SCALE 1:100

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## HOMESTAKE MINERAL DEVELOPMENT CO.

## **DIAMOND DRILL LOG**

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PROJECT Tully ELEVATION 8  
HOLE DESIGNATION T-91-02 AZIMUTH 180°  
NTS 42A/14 DIP -50°  
CLAIM  LENGTH OF HOLE 146.0 M.  
EASTING 10400E (IMPERIAL) CORE DIAMETER N/A  
NORTHING 14100N

CONTRACTOR NORTEX  
DATE STARTED FEBRUARY 14, 1991  
DATE FINISHED FEBRUARY 17, 1991  
LOGGED BY DUNCAN MCIVOR  
DATE FEBRUARY 1991  
SCALE 1:100

|                   |             |              |              |               |
|-------------------|-------------|--------------|--------------|---------------|
| <b>TEST DEPTH</b> | <b>0</b>    | <b>26.2M</b> | <b>60.0M</b> | <b>146.0M</b> |
| <b>AZIMUTH</b>    | <b>180°</b> | <b>180°</b>  | <b>180°</b>  | <b>180°</b>   |
| <b>DIP</b>        | <b>-50°</b> | <b>-56°</b>  | <b>-49°</b>  | <b>-49°</b>   |



# HOMESTAKE MINERAL DEVELOPMENT CO.

## **DIAMOND DRILL LOG**

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PROJECT TULLY ELEVATION \_\_\_\_\_  
HOLE DESIGNATION T-91-02 AZIMUTH \_\_\_\_\_  
NTS \_\_\_\_\_ DIP \_\_\_\_\_  
CLAIM \_\_\_\_\_ LENGTH OF HOLE \_\_\_\_\_  
EASTING \_\_\_\_\_ CORE DIAMETER \_\_\_\_\_  
NORTHING \_\_\_\_\_

CONTRACTOR \_\_\_\_\_  
DATE STARTED \_\_\_\_\_  
DATE FINISHED \_\_\_\_\_  
LOGGED BY \_\_\_\_\_  
DATE \_\_\_\_\_  
SCALE \_\_\_\_\_

|                   |  |  |  |  |
|-------------------|--|--|--|--|
| <b>TEST DEPTH</b> |  |  |  |  |
| <b>AZIMUTH</b>    |  |  |  |  |
| <b>DIP</b>        |  |  |  |  |

PROJECT TULLY

HOLE DESIGNATION T-91-02

LOGGED BY DUNCAN MCIVOR

SCALE 1:100

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| DRILL INTERVAL |      | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD  | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ALTERATION and VENNING | MINERAL PERCENTAGES |     |     |       |  | DEPTH    | SAMPLE NUMBER | ASSAY GEOCHEMISTRY | LAB |  |  |
|----------------|------|-----------------------|---------------|-----------------------|-----------|------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------|-----|-----|-------|--|----------|---------------|--------------------|-----|--|--|
| FROM           | TO   |                       |               |                       |           |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        | Ry                  | Po  | Cpy | Other |  |          |               |                    |     |  |  |
| 25.0           |      |                       |               |                       |           |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |                     |     |     |       |  |          |               |                    |     |  |  |
| 26.0           |      |                       |               |                       |           |      |         | 0-26.2 M OVERBURDEN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                        |                     |     |     |       |  |          |               |                    |     |  |  |
| 26.2           | 29.0 | 2.8                   | 100%          |                       |           | 10   |         | ALL CASING RECOVERED FROM HOLE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |                     |     |     |       |  |          |               |                    |     |  |  |
| 27.0           |      |                       |               |                       |           |      |         | 26.2-30.0M MASSIVE, FG XLINE BASALT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                        |                     |     |     |       |  |          |               |                    |     |  |  |
| 28.0           |      |                       |               |                       |           |      |         | - massive, fg. xline dk green basalt.<br>- wky to mod. frac. @ all or., & pred. calcite frac fill.<br>- non-magnetic.<br>- 5% piiss, 1-2 mm leucosome blebs<br>- v. wky chloritized.<br>- tr. Pd-Po, both pred. ass & calcite filled fracs, minor fg diss min.<br>- @ 29.4, 1 cm chl-calc vr @ 70° to cax. & 32% Po blebs to 1cm.<br>- @ 29.7, 1 cm calc vr @ Po to cax. & 2% Py, 2% bright red hem/sph?<br>- from 29.9-30.0, contact zone is bleached, gray, wky cont. contact @ 90° cax.                                                                                                                                                                                                                                                                                                                                                                                                                                             | WK-CHL ALT.            | TR.                 | TR. | .   |       |  |          |               |                    |     |  |  |
| 29.0           | 32.0 | 2.6                   | 87%           | BUBBLE                | CUTC. 90° | >30  | RUBBLE  | 30.0-59.0M MUGDOALOIDAL & VARIOLITIC BASALT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                        |                     |     |     |       |  | TR. sph. |               |                    |     |  |  |
| 30.0           |      |                       |               |                       |           |      |         | - massive, vfg to apn, light to med green, wky chl+basalt.<br>- strongly fractured, prominent sets @ 90°, 45° to cax.<br>& pred calcite, some Po, Py, qtz, chl. frac fill.<br>- v. homogeneous.<br>- numerous 3-20 cm strongly variolitic zones, & beige to gray 3-5 mm variolites from 10% - 30%, often cored by wky Po, Py, Cpy - variolites often in aggregates to 1-2 cm, & appear to be spatially related to fracs.<br>- wky amygdaloidal, & cax. 5-7 mm to 5 mm, spherical pred calcite, some qtz, chl amygdaloids, amygdaloids also often have minor diss Po-Py-Cpy.<br>- numerous intensely fractured, rubble zones, as outlined below.<br>- contains 5% secondary calc. - minor qtz, Fe carb veins. @ all or., usually & minor ass Po-Py.<br>- average sulphide content: 1% Po, 0.5% Py, tr. Cpy, sphalerite, pred ass & calc. - qtz vrs, as frac fill, diss min ass & amygd & variolites - only v. minor pervasive diss min. | WK-CHL ALT.            | 0-5%                | 1%  | TR. |       |  |          |               | 31.0               | 01  |  |  |
| 31.0           |      |                       |               |                       |           |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |                     |     |     |       |  | TR. sph. | 32.0          | 2211 <5            |     |  |  |
| 32.0           | 35.0 | 3.0                   | 100%          | BUBBLE                |           | >30  | RUBBLE  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |                     |     |     |       |  | 33.0     | 02            |                    |     |  |  |
| 33.0           |      |                       |               |                       |           |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |                     |     |     |       |  | 34.0     | 2212 <5       |                    |     |  |  |
| 34.0           |      |                       |               |                       |           |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |                     |     |     |       |  | 35.0     |               |                    |     |  |  |
| 35.0           | 38.0 | 3.0                   | 100%          | RUBBLE                |           | >100 | RUBBLE  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |                     |     |     |       |  | 36.0     |               |                    |     |  |  |
| 36.0           |      |                       |               |                       |           |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |                     |     |     |       |  | 37.0     |               |                    |     |  |  |
| 37.0           |      |                       |               |                       |           |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |                     |     |     |       |  | 38.0     | 03            |                    |     |  |  |
| 38.0           |      |                       |               |                       |           |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |                     |     |     |       |  | 39.0     | 2213 <5       |                    |     |  |  |
| 39.0           | 41.0 | 3.0                   | 100%          |                       |           | 15   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |                     |     |     |       |  | 40.0     |               |                    |     |  |  |

PROJECT Tony

HOLE DESIGNATION T-91-02

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| DRILL INTERVAL |      | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ALTERATION and VENING | MINERAL PERCENTAGES |      |     |   |   |     | ASSAY GEOCHEMISTRY |    |      | LAB |      |      |    |      |   |      |      |    |      |   |      |
|----------------|------|-----------------------|---------------|-----------------------|-----------|-----|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|------|-----|---|---|-----|--------------------|----|------|-----|------|------|----|------|---|------|------|----|------|---|------|
| FROM           | TO   |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       | Pg                  | Po   | Cpy | - | - | DTh |                    |    |      |     |      |      |    |      |   |      |      |    |      |   |      |
| 38.0           | 41.0 | 3.0                   | 100%          |                       |           | 15  | .       | 30.0-59.0M CONTINUED<br>• @ 33.6, 3 cm calc vs @ 50° to cov.<br>• @ 33.8, 5 cm calc-minor qtz vs @ 70° to cov.<br>• from 33.8-34.0, intensely fractured rubble zone.<br>• @ 34.8, 1 cm calc vs @ 30° to cov & minor chalc w/ chal. Py.<br>• from 35.0-36.3, intensely fractured rubble zone.<br>• from 35.8-36.8, intensely fractured rubble zone.<br>• @ 36.8, 5 cm strongly varidilite zone, ± 2% Po & 0.5% Cpy<br>(desolution in Po)<br>• from 37.7-37.9, numerous contorted, irregular 1cm qtz-calc veins / alteration patches, ± locally 2% Po, tr. Py, Cpy.<br>• from 44.6-44.9, v. mottled to brecciated, lighter green, mod sericitized, w/ly calc <sup>1</sup> zone · pillow selvage, crudely fol @ 40° to cov<br>• @ 46.4, abn 1cm calc vs @ irreg orientations, ± 10% Py, Po (5/5) as blebs to 1cm.<br>• by 49.0M, only w/ly amygdaloidal, non-varidilite, sulphides became 1% Py, 0.5% Po, tr. Cpy.<br>• @ 49.9, 3 cm qtz vs @ 45° to cov.<br>• from 49.0-49.25, intensely fractured, rubble zone.<br>• @ 49.4, 5 cm shear @ 45° to cov, strongly chl <sup>3</sup> calcitic, w/ly autobrecciated.<br>• from 49.8-49.0 locally mod brecciated by thin 3mm-1cm chl-calc veins @ 45-50° to cov, brecc. frags are w/ly bleached, ser-carb alt.<br>• from 49.4-49.6, slightly coarser, abn. & fibrous app. spars to 35%.<br>• @ 51.5, 1 cm calc-chl vein @ 45° to cov, ± abn 5mm po-Py blebs.<br>• from 51.5-51.7, intensely fractured rubble zone.<br>• from 53.6-54.2, 30% of rock is calc-minor qtz-chl-sericitic vs @ 0-20° to cov, ± 10% brecciated frags of jet black graphitic silica, locally 2% Py, 1% Po, tr. Cpy as vlg diss min. & fracture filling.<br>• @ 55.6, 5 mm calc-Py filled frac @ 45° to cov ± 3 cm bleached chl halo.<br>• @ 56.0, abn 5mm-1cm abn-calc veins @ 45° to cov, ± locally 3% Py/10 cm as frac fill, tr. Cpy, Po, sph.<br>• @ 57.4, abn 1cm calc-chl vs @ 50° cov ± 2% Py, tr. Po, Cpy.<br>• @ 58.5, 2 cm qtz-calc-chl vein @ 35° to cov ± 1% Py, minor Po.<br>• contact @ 59.0M is gradational, arbitrary, based on colour and intensity of fracturing. | W.K. CHL. ALT.        | 0.5%                | 1%   | TR. | . | . | .   | 44.0               | 04 | 2214 | <5  | 45.0 | 46.0 | 05 | 2215 | 6 | 47.0 | 53.5 | 06 | 2216 | 5 | 54.5 |
| 41.0           | 44.0 | 3.0                   | 100%          |                       |           | 15  | .       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | W.K. CHL. ALT.        | 0.5%                | 1%   | TR. | . | . | .   |                    |    |      |     |      |      |    |      |   |      |      |    |      |   |      |
| 44.0           | 47.0 | 3.0                   | 100%          |                       |           | 10  | .       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | W.K. CHL. ALT.        | 1%                  | 0.5% | TR. | . | . | .   |                    |    |      |     |      |      |    |      |   |      |      |    |      |   |      |
| 47.0           | 50.0 | 3.0                   | 100%          |                       |           | 4   | .       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | W.K. CHL. ALT.        | 1%                  | 0.5% | TR. | . | . | .   |                    |    |      |     |      |      |    |      |   |      |      |    |      |   |      |
| 50.0           | 53.0 | 3.0                   | 100%          |                       |           | 8   | .       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | W.K. CHL. ALT.        | 1%                  | 0.5% | TR. | . | . | .   |                    |    |      |     |      |      |    |      |   |      |      |    |      |   |      |
| 53.0           | 56.0 | 3.0                   | 100%          |                       |           | 4   | .       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | W.K. CHL. ALT.        | 1%                  | 0.5% | TR. | . | . | .   |                    |    |      |     |      |      |    |      |   |      |      |    |      |   |      |

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| DRILL INTERVAL |      | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | ROD | GRAPHIC | ROCK TYPE<br>(DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ALTERATION<br>and<br>VEINING           | MINERAL PERCENTAGES |      |     |   |     | ASSAY GEOCHEMISTRY |      |      |      |      |    |     |  |
|----------------|------|-----------------------|---------------|-----------------------|-----------|-----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------|------|-----|---|-----|--------------------|------|------|------|------|----|-----|--|
| FROM           | TO   |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        | Py                  | Po   | Cpy | - | Ort | Ag                 | Pb   | As   | Sn   | Co   | Ni | LAB |  |
| 55.0           | 56.0 | 3.0                   | 100%          |                       |           | 4   | .       | 59.0 - 65.6 M WILLY BLEACHED, ALTERED AMygDALOIDAL<br><br>BASALT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WK. CHL.<br>ALT.                       | 1%                  | 0.5% | TR. | - | -   | -                  | 56.0 | 2217 | 0%   | <5   |    |     |  |
| 56.0           | 57.0 |                       |               |                       |           | 8   | .....   | as in preceding part, but lighter grayish-green, softer,<br>Vtg to qph (to lg in places) massive amygdaloidal<br>basalt.<br>- willy ser alt. mod. calcite altered<br>- intensely fractured. @ all orientations, almost "shattered"<br>appearing, c. chl. calc., minor Po, Py, qtz, talc, bruc., feld.<br>amygdaloidal, & 10 to 1-7 mm pred. calcite. Some qtz,<br>chlorite amygdalites<br>- average sulphide content: 2% Py, 0.5% Po, fr. Cpy,<br>associated predominantly c. chl. calc filled fractures,<br>v. minor lg disse. mineralization. |                                        |                     |      |     |   |     |                    |      | 57.0 | 2218 | 0%   | <5 |     |  |
| 57.0           | 58.0 | 3.0                   | 100%          |                       |           |     | .....   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |                     |      |     |   |     |                    | 58.0 | 2219 | 0%   | <5   |    |     |  |
| 58.0           | 59.0 |                       |               |                       |           | 9   | .....   | 59.0 - 65.6 M GRAPHITE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | WK SER<br>ALT. MOD.<br>CALCITE<br>ALT. | 2%                  | 0.5% | TR. | - | -   | -                  | 60.0 | 2220 | 0%   | <5   |    |     |  |
| 59.0           | 60.0 | 3.0                   | 100%          |                       |           |     | .....   | soft, shiny banded @ 35-40° to cpx, jet black graphite,<br>2p to 1-2 cm sericitic interbeds, aleur (5%) thin calcite<br>stringers & hole only fr. Py observed - core predominantly<br>noble.                                                                                                                                                                                                                                                                                                                                                    |                                        |                     |      |     |   |     |                    | 61.0 | 2221 | 0%   | <5   |    |     |  |
| 60.0           | 61.0 |                       |               |                       |           | 10  | .....   | 60.0 - 66.0 M TALC (TREMOLITE?) ALTERED ULTRAMAFIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MOD TALC<br>ALT.                       | TR                  | -    | -   | - | -   |                    |      | 62.0 | 2222 | 0%   | <5 |     |  |
| 61.0           | 62.0 | 3.0                   | 100%          |                       |           |     | .....   | as above, bright light green, massive, ranges from vlg.<br>to lg, c. remnant, often snowflake type iline fib.<br>predominantly intensely halo altered ultramafic (abrasive)<br>intensely fractured, @ all orientations, c. pred. talc,<br>chlorite, minor calcite, magnetite, sericitic, Py frac fil,<br>fractures "brecciate" rock in places<br><5% thin (p. 1cm) secondary calc-chl-talc-magnetite<br>veins @ all orientations.<br>non-magnetic                                                                                               | INTENSE<br>TALC<br>ALTERATION.         | 0.5%                | -    | -   | - | -   |                    |      |      | 63.0 | 2223 | 0% | <5  |  |
| 62.0           | 63.0 |                       |               |                       |           |     | .....   | average sulphide content: 0.5% Py, pred. ass c. carb-chl-talc filled fractures                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | INTENSE<br>TALC ALT.                   |                     |      |     |   |     |                    |      | 64.0 | 2224 | 0%   | <5 |     |  |
| 63.0           | 64.0 | 3.0                   | 100%          |                       |           |     | .....   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |                     |      |     |   |     |                    |      | 65.0 | 2225 | 0%   | <5 |     |  |
| 64.0           | 65.0 |                       |               |                       |           | 25  | .....   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |                     |      |     |   |     |                    |      | 65.6 | 2226 | 0%   | <5 |     |  |
| 65.0           | 66.0 | 3.0                   | 100%          | 35.40°                | 35.40°    |     | .....   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |                     |      |     |   |     |                    |      | 66.0 | 2227 | 0%   | <5 |     |  |
| 66.0           | 67.0 |                       |               |                       |           | 10  | .....   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |                     |      |     |   |     |                    |      | 67.0 | 2228 | 0%   | <5 |     |  |
| 67.0           | 68.0 | 3.0                   | 100%          |                       |           |     | .....   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |                     |      |     |   |     |                    |      | 68.0 | 2229 | 0%   | <5 |     |  |
| 68.0           | 69.0 |                       |               |                       |           |     | .....   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |                     |      |     |   |     |                    |      | 69.0 | 2230 | 0%   | <5 |     |  |
| 69.0           | 70.0 | 3.0                   | 100%          |                       |           |     | .....   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |                     |      |     |   |     |                    |      | 70.0 |      |      |    |     |  |

PROJECT Tony

HOLE DESIGNATION T-91-02

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| DRILL INTERVAL |      | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE<br>(DESCRIPTION)                                                            | ALTERATION<br>SPOT          | VEINING | MINERAL PERCENTAGES |    |     |   |   | ASSAY GEOCHEMISTRY |          |          |          | LAB |
|----------------|------|-----------------------|---------------|-----------------------|-----------|-----|---------|---------------------------------------------------------------------------------------|-----------------------------|---------|---------------------|----|-----|---|---|--------------------|----------|----------|----------|-----|
| FROM           | TO   |                       |               |                       |           |     |         |                                                                                       |                             |         | Py                  | Po | Cpy | - | - | PyH                | Au (ppm) | Ag (ppm) | As (ppm) |     |
| 85.0           | 83.0 | 86.0                  | 3.0           | 100%                  | MASSENE.  | 2   |         | 82.0 - 88.4 M CONTINUED                                                               | MOD Fe-CB-SIL ALT.          | TR.     | -                   | -  | -   | - | - | 28                 | 2238     | <5       |          |     |
| 86.0           | 86.0 | 87.0                  | 3.0           | 100%                  | MASSENE.  | 4   |         |                                                                                       |                             |         | -                   | -  | -   | - | - | 86.0               | 2239     | <5       |          |     |
| 87.0           | 86.0 | 89.0                  | 3.0           | 100%                  | MASSENE.  | 4   |         |                                                                                       |                             |         | -                   | -  | -   | - | - | 87.0               | 2240     | <5       |          |     |
| 88.0           | 87.0 | 88.4                  | 3.0           | 100%                  | MASSENE.  | 4   |         |                                                                                       |                             |         | -                   | -  | -   | - | - | 88.4               | 2241     | 5        |          |     |
| 89.0           | 88.0 | 89.4                  | 3.0           | 100%                  | MASSENE.  | 4   |         |                                                                                       |                             |         | -                   | -  | -   | - | - | 89.4               | 2242     | <5       |          |     |
| 90.0           | 89.0 | 92.0                  | 3.0           | 100%                  | MASSENE.  | 4   |         |                                                                                       | INTENSE Fe-CARB-SILICA ALT. | 1%      | -                   | -  | -   | - | - | 90.4               | 2243     | 5        |          |     |
| 91.0           | 90.0 | 92.4                  | 3.0           | 100%                  | MASSENE.  | 4   |         |                                                                                       |                             |         | -                   | -  | -   | - | - | 91.4               | 2244     | <5       |          |     |
| 92.0           | 91.0 | 92.4                  | 3.0           | 100%                  | MASSENE.  | 4   |         |                                                                                       |                             |         | -                   | -  | -   | - | - | 92.4               | 2245     | <5       |          |     |
| 93.0           | 92.0 | 95.0                  | 3.0           | 100%                  | MASSENE.  | 20  |         |                                                                                       |                             |         | -                   | -  | -   | - | - | 93.4               | 2246     | <5       |          |     |
| 94.0           | 93.0 | 95.4                  | 3.0           | 100%                  | MASSENE.  | 20  |         |                                                                                       |                             |         | -                   | -  | -   | - | - | 94.4               | 2247     | 150      |          |     |
| 95.0           | 94.0 | 95.4                  | 3.0           | 100%                  | RUBBLE    | 750 |         | 88.4 - 91.4 M INTENSELY BLEACHED, SILICA-Fe CARBONATE ALTERED ROCK (MAFIC VOLCANIC?). | INTENSE SIL-CARB ALT.       | 1%      | -                   | -  | -   | - | - | 95.4               | 2248     | 10       |          |     |
| 96.0           | 95.0 | 98.0                  | 2.3           | 77%                   | RUBBLE    | 750 |         |                                                                                       |                             |         | -                   | -  | -   | - | - | 96.4               | 2249     | 13       |          |     |
| 97.0           | 96.0 | 98.0                  | 2.3           | 77%                   | RUBBLE    | 750 |         |                                                                                       |                             |         | -                   | -  | -   | - | - | 97.4               | 2250     | 14       |          |     |
| 98.0           | 97.0 | 98.0                  | 2.3           | 77%                   | RUBBLE    | 750 |         |                                                                                       |                             |         | -                   | -  | -   | - | - | 98.4               | 2251     | 71       |          |     |
| 99.0           | 98.0 | 101.0                 | 3.0           | 100%                  | RUBBLE    | 750 |         |                                                                                       |                             |         | -                   | -  | -   | - | - | 99.4               | 2252     | 27       |          |     |
| 100.0          | 99.0 | 101.0                 | 3.0           | 100%                  | RUBBLE    | 750 |         |                                                                                       |                             |         | -                   | -  | -   | - | - | 100.4              | 2253     | 975      |          |     |
|                |      |                       |               |                       |           |     |         |                                                                                       |                             |         | -                   | -  | -   | - | - | 101.4              | 2254     | 145      |          |     |
|                |      |                       |               |                       |           |     |         |                                                                                       |                             |         | -                   | -  | -   | - | - | 102.4              | 2255     | 281      |          |     |
|                |      |                       |               |                       |           |     |         |                                                                                       |                             |         | -                   | -  | -   | - | - | 103.4              | 2256     | 133      |          |     |
|                |      |                       |               |                       |           |     |         |                                                                                       |                             |         | -                   | -  | -   | - | - |                    |          |          |          |     |

**PROJECT** Tony

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD    | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ALTERATION and VENING                         | MINERAL PERCENTAGES |                |                 |   |      | ASSAY GEOCHEMISTRY |       |       | LAB  |    |     |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|--------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------|----------------|-----------------|---|------|--------------------|-------|-------|------|----|-----|
| FROM           | TO    |                       |               |                       |           |        |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                               | P <sub>Py</sub>     | P <sub>o</sub> | C <sub>Py</sub> |   | 074. | Au (ppb)           |       |       |      |    |     |
| 113.0          | 116.0 | 3.0                   | 100%          | NASSIVE               |           | 5      |         | 105.0 - 121.6 M CONTINUED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                               |                     |                |                 |   |      |                    |       |       |      |    |     |
| 116.0          | 119.0 | 3.0                   | 100%          |                       |           | 6      |         | 121.6-122.3 M INTERBEDDED METASEDIMENT'S<br>(ARGILLITE - SILSTONE - GRAWINNACE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Wk SER.<br>EP ALT.                            | 0.5%                | -              | -               | - | -    |                    |       |       |      |    |     |
| 119.0          | 122.0 | 3.0                   | 100%          |                       |           | 10     |         | - thick bedded (bearing @ 20° to cax) interbedded arg-silt-crust.<br>from 121.6-121.7, dk gray, wky carbonaceous argillite & abur.<br>5mm yellow sericite argillite interbeds.<br>- from 121.7-122.0, gray wacke, thinly bd gray siliceous matrix<br>c. 30 to 1mm - 1cm rock frags along 4bd, frags pred.<br>graphitic arg.<br>- from 122.0-122.3, coarser, lg. granular light green sericite<br>siliceous "siltstone" - graywacke" & clear small graph<br>arg rock frags.<br>- all units are mod to strongly fracc @ 70-90% b cax, &<br>9% calc frac fill<br>- 17% Fe as large (6 cm) fragments in both graywacke,<br>fillstone.<br>- sharp unconformable contact @ 122.3 @ 60° to cax.                                               | MOD<br>BLEACHED,<br>SL-CB ALT.<br>15% QC VNS. | 0.5%                | -              | -               | - | -    |                    |       | 118.5 | 59   |    |     |
| 122.0          | 125.0 | 3.0                   | 100%          |                       |           | > 50   | RUBBLE  | 122.3-124.2 GRAPHITIC ARGILLITE - SILSTONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Wk SER<br>ALT.                                | 12                  | -              | -               | - | -    | 122.3              | 2242  | 62    | 10   |    |     |
| 125.0          | 128.0 | 3.0                   | 100%          |                       |           | 20°    |         | - only v. crudely pl. 1@ 60° to cax, relatively hard, siliceous,<br>vlg. jet black, strongly graphitic (40%) argillite to siltstone<br>- contains 25% v. contorted to brecciated 5mm - 2cm hard<br>white ferruginous carb mineral w/ "fl".<br>- strongly fractured, pref. v sub h. hol, though other or. present &<br>Fe carb. qz. chl. fay, hem frac fill.<br>- contains 2.7% Py as vlg. diss min, fractil. & occ nodular<br>blebs to 5 mm.<br>- from 122.3 - 123.3, thinly bedded, argillaceous<br>- from 123.3 - 124.2, slightly coarser, silstone.<br>- @ 123.4, 3 cm qz. Fe carb in n hol.<br>- from 123.7-124.2, rubble.                                                                                                         | 25% QC<br>VEINS.                              | 2%                  | -              | -               | - | -    | 40%<br>GEM.        | 123.3 | 2243  | 63   | 26 |     |
| 128.0          | 131.0 | 3.0                   | 100%          |                       |           | 10     |         | 124.2-127.0 M INTERBEDDED SILICEOUS & GRAPHITIC METASED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                               | 3%                  |                |                 |   |      | 125.0              | 2275  | 65    | 44   |    |     |
|                |       |                       |               |                       |           | 55°    |         | - thinly bedded @ av. 35-55, though locally varies 55°-90°,<br>interbedded siliceous & graphitic metasedes.<br>- siliceous metasedes → crazy, vlg. hard, siliceous "siltstone", thinly<br>bedded, strongly frac. plcd, rd & @ P. 45° to cax & pref.<br>- from 124.2-125.0, siliceous metasedes, as above.<br>- from 125.0-125.5, thinly bd. hard & blck graphitic arg.,<br>bd. locally @ 65° to cax, 30%. thin contorted "fl" siliceous<br>seams, 5% Py w/ thin seams "fl" & nodular blebs to 1cm.<br>- from 125.5-126.0, siliceous metasedes, as above.<br>- from 126.0-127.0, more thinly bd. interbedded silt & graph rocks,<br>20% graph. org., 40% sil. bed, beds to 1cm, 3% Py,<br>bd. ranges from 30° @ 126.0 to 55° @ 127.0 M. | STRONG<br>SER.<br>Fe CARB<br>ALT.             | 1%                  | -              | -               | - | -    |                    |       | 125.5 | 2276 | 66 | 121 |
|                |       |                       |               |                       |           | 65-70° | 65°     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                               | 3%                  |                |                 |   |      | 126.0              | 2277  | 67    | 20   |    |     |
|                |       |                       |               |                       |           | 9      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                               |                     |                |                 |   |      | 127.0              | 2278  | 68    | 25   |    |     |
|                |       |                       |               |                       |           | 65-70° | 65°     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                               |                     |                |                 |   |      | 127.0              | 2279  | 69    | 7    |    |     |
|                |       |                       |               |                       |           |        |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                               |                     |                |                 |   |      | 128.0              | 2280  | 70    |      |    |     |
|                |       |                       |               |                       |           |        |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                               |                     |                |                 |   |      | 129.0              | 2281  | 71    | 7    |    |     |
|                |       |                       |               |                       |           |        |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                               |                     |                |                 |   |      | 129.5              | 2281  | 72    | <5   |    |     |
|                |       |                       |               |                       |           |        |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                               |                     |                |                 |   |      |                    | 2282  | 72    | 5    |    |     |

**PROJECT** Tony

HOLE DESIGNATION T-91-02

LOGGED BY DUNCAN MCIVOR

SCALE 1:100

1:100

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD    | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ALTERATION and VENNING         | MINERAL PERCENTAGES |    |     |   |      | DEPTH | SAMPLE NUMBER | ASSAY GEOCHEMISTRY   |    |  | LAB |  |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|--------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------|----|-----|---|------|-------|---------------|----------------------|----|--|-----|--|
| FROM           | TO    |                       |               |                       |           |        |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                | Pg                  | Po | Cpy |   | Dtt. |       |               | A <sub>2</sub> (ppb) |    |  |     |  |
| 128.0          | 131.0 | 3.0                   | 100%          | 65-70°                |           | 9      |         | 127.0 - 129.5 M SERICITE-CARBONATE SCHIST (SH. METAS.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | STRONG SER-CARB ALT.           |                     |    |     |   |      | 130.5 | 2282          | 52                   |    |  |     |  |
|                |       |                       |               |                       |           |        |         | - rock is part. interlayer sh. sch. @ 65° to core, & appears bed 11°, comprised of alternating bands of Fe carb-sericite (40% / 40%), cleav. harder, more siliceous & clear green, chl-graph bands.<br>- probably a sh. siliciclast type metased., though appears var. in places.<br>- strongly foliated, pred. 11° bed & @ 0° to core, & Fe carb, qtz, some hematite, graphic Py free fil.<br>- contains 1% to 1% pyrite, 1-2 cm thick bands to 5mm 11° fil.<br>- from 127.7-127.8, locally 5% hematite bands to 5mm 11° fil.<br>- @ 128.6, 10 cm Fe carb vs @ 45° to core.<br>- from 128.7-128.8, clear thin 1-2 cm graph arg interbeds @ 60° core.<br>- sharp contact @ 129.5 @ 65° to core.                                                                                                        | TR.                            | .                   | .  | .   | . | TR.  |       | 131.5         | 2283                 | 33 |  |     |  |
| 131.0          | 134.0 | 3.0                   | 100%          | 65-70°                |           | 15     |         | 129.5 - 134.3 M1 SERICITEED, CARB-MAFIC VOLCANIC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | STRONG SER-CARB ALT.           |                     |    |     |   |      | 132.5 | 2284          | 74                   |    |  |     |  |
|                |       |                       |               |                       |           |        |         | - vlg, wky sh. sch @ 65-70° to core, rel. soft, strongly Fe carb-ser alt., homogenous, rock has pred 11° sub. fol, & Fe carb qtz, some felsic, ser. fuchsite hor. fil.<br>- 5% thin (to 2 cm) interbedded to brecc. qtz-Fe carb vs 11° fol.<br>- only trace Py along clear traces.<br>- from 130.2-130.5, clear 1cm qtz-Fe carb vs @ 70° to core.<br>- @ 131.2, clear 1cm Fe carb vs @ all or., 2 hr. fuchsite @ margins.<br>- from 132.0-133.3, more strongly alt, yellow, locally felsic, fuchsite fil.<br>- @ 133.4, 10 cm brecc & numerous 1-2 cm, interbedded Fe carb minor qtz vs @ all or., & 5% assy. fuchsite.<br>- @ 133.1, clear 2cm qtz-Fe carb vs @ 65° to core.<br>- from 134.0-134.3, 10% spin-1cm Fe carb vs @ all or., host is gray, strongly carb; sharp contact @ 134.3 @ 70° core. | -                              | 2%                  | -  | -   | - | 50%  | 135.2 | 2287          | 77                   | 17 |  |     |  |
| 134.0          | 137.0 | 3.0                   | 100%          | 65-70°                |           | 15     |         | 134.3 - 136.2 GRAPHITIC ARGILLITE / BRECCIA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | STRONG SER-CARB ALT. OF FRAGS. |                     |    |     |   |      | 136.2 | 2288          | 78                   |    |  |     |  |
|                |       |                       |               |                       |           |        |         | - thinly bed & strongly sch @ 65-70° to core, jet black, soft, graphitic (50%) argillite. & 35% 1mm-1cm gray qtz-Fe carb bands - veins 11° fol, & 10% 1-2 cm light green vlg, ser. carb mafic volc? frags - may be volcanic ash/ slumped breccia.<br>- sharply frag, pred 11° fol, & carb, qtz, chl, Py frag fil.<br>- 2% py as thin seams 11° fol, fuchsite, etc. irregular bleb to smn.<br>- from 134.6-134.8, locally 50% qtz-Fe carb vs to 3cm 11° fol.                                                                                                                                                                                                                                                                                                                                            | 1%                             |                     |    |     |   | 50%  | 137.0 | 2289          | 79                   | 5  |  |     |  |
| 137.0          | 140.0 | 3.0                   | 100%          | 75-80°                |           | 5      |         | 136.2-140.6 COARSE VOLCANOCLASTIC FRAGMENTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | STRONG SER-CARB ALT. OF FRAGS. |                     |    |     |   |      | 138.0 | 2290          | 80                   |    |  |     |  |
|                |       |                       |               |                       |           |        |         | - strongly bedded, @ 75-80° to core, highly var comp & app, but pred;<br>- vlg, dk gray to black graphitic to quartzitic matrix, & 10-70% (ranges 50-100%) <1 to 10 cm fragments of vlg, besides, to light green, often mod. strongly ser-carb alt mat. volc. blebs 1-2 cm silicified mafic volc? frags.<br>- sharply frag, pred 11° sub. fol, & carb, qtz, chl, graph frag fil.<br>- avg sulphide content: 1% Py, 0.5% chl. min in both matrix & frags.<br>- 5% thin qtz-calc vs 11° fol.                                                                                                                                                                                                                                                                                                             | 1%                             |                     |    |     |   | 50%  | 139.0 | 2291          | 81                   | 6  |  |     |  |
| 140.0          | 143.0 | 3.0                   | 100%          | 75°                   |           | >50    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                              | 50%                 | -  | -   | - | -    | 140.0 | 2292          | 82                   |    |  |     |  |
|                |       |                       |               |                       |           | RUBBLE |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |                     |    |     |   |      | 140.6 | 2293          | 83                   | 8  |  |     |  |
|                |       |                       |               |                       |           |        |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |                     |    |     |   |      | 141.8 | 2294          | 84                   | 10 |  |     |  |
|                |       |                       |               |                       |           |        |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |                     |    |     |   |      | 143.0 | 2295          | 85                   |    |  |     |  |
|                |       |                       |               |                       |           |        |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |                     |    |     |   |      | 143.0 | 2296          | 86                   |    |  |     |  |
| 143.0          | 146.0 | 3.0                   | 100%          | 70°                   |           | 10     |         | 140.6 - 143.0 M GRAPHITIC ARGILLITE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | STRONG SER-CARB ALT. OF FRAGS. |                     |    |     |   |      | 144.0 | 2297          | 87                   | <5 |  |     |  |
|                |       |                       |               |                       |           |        |         | - highly bedded, @ 70° to core, rel soft, jet black, v-graphitic (70%) argillite, 15% thin sil-carb seams 11° fol, 5% qtz-calc vs to 1cm 11° fol, 5% py as thin semi-mass bands 11° fol, occasional blebs to 5mm, & vlg frags min.<br>- @ 142.6, 20 cm brecciated qtz-Fe carb vein.<br>- @ 142.8, bold nose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1%                             |                     |    |     |   | 50%  | 145.0 | 2297          | 88                   | <5 |  |     |  |

PROJECT TULLYHOLE DESIGNATION T-91-02LOGGED BY Duncan McIVORSCALE 1:100PAGE 10 OF 10

| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE<br>(DESCRIPTION)                                                                                                                                                    | ALTERATION AND VENING       | MINERAL PERCENTAGES |    |     |      |                        | DEPTH | SAMPLE NUMBER | ASSAY GEOCHEMISTRY |    |    | LAB |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------|----|-----|------|------------------------|-------|---------------|--------------------|----|----|-----|
| FROM           | TO    |                       |               |                       |           |     |         |                                                                                                                                                                               |                             | Pg                  | Po | Gpy | Orb. | As                     |       |               | Ag                 | Cu | Mo |     |
| 145.0          | 146.0 | 3.0                   | 100%          | 70°                   |           | 10. |         | 143.0-146.0M COARSE VOLCANOCLASTIC FRAGMENTAL.<br>- strongly fol. for lgs. carb. 75° <1cm. 3cm. decarb. of mafic volc. frags. in soft. cal-carbonaceous matrix, 1% chalc. py. | STRONG SEB-CARB ALT. FRAGS. | 1%                  | -  | -   | -    | 10 <sup>2</sup> GRAPH. | 145.0 | 88            | Ag                 |    |    |     |
| 146.0          |       |                       |               |                       |           |     |         | HOLE ENDS @ 146.0M.<br><i>I am M.Y.R</i> FEBRUARY 18, 1990                                                                                                                    |                             |                     |    |     |      | 146.0                  | 2298. | <5            |                    |    |    |     |



## HOMESTAKE MINERAL DEVELOPMENT CO.

## DIAMOND DRILL LOG

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|                  |                        |                |        |
|------------------|------------------------|----------------|--------|
| PROJECT          | TULLY                  | ELEVATION      | 0      |
| HOLE DESIGNATION | T-91-03                | AZIMUTH        | 180°   |
| NTS              | 42A/14                 | DIP            | -55°   |
| CLAIM            |                        | LENGTH OF HOLE | 170.0M |
| EASTING          | 14+00E (IMPERIAL GRID) | CORE DIAMETER  | NQ     |
| NORTHING         | 12+00N                 |                |        |

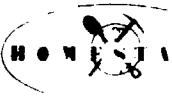
CONTRACTOR NOREX  
 DATE STARTED FEBRUARY 17, 1991  
 DATE FINISHED FEBRUARY 19, 1991  
 LOGGED BY DUNCAN MCIVOR  
 DATE FEBRUARY, 1991  
 SCALE 1:100

BASELINE IMPERIAL GRID

| TEST DEPTH | 0    | 24.0M | 75.0M | 137.0M |
|------------|------|-------|-------|--------|
| AZIMUTH    | 180° | 180°  | 180°  | 180°   |
| DIP        | -55° | -47°  | -47°  | -46°   |

| DRILL INTERVAL<br>metres/feet | RECOVERED CORE LENGTH | CORE RECOVERY | RQD | STRUCTURE | GRAPHIC | ROCK TYPE<br>(DESCRIPTION)                                                                                                                                                                                                                                                                             | ALTERATION AND<br>VEINING | MINERAL PERCENTAGES | DEPTH | WIDTH | SAMPLE NUMBER | ASSAY GEOCHEMISTRY |      |        |      |  |
|-------------------------------|-----------------------|---------------|-----|-----------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------|-------|-------|---------------|--------------------|------|--------|------|--|
|                               |                       |               |     |           |         |                                                                                                                                                                                                                                                                                                        |                           |                     |       |       |               | metres             | feet | metres | feet |  |
|                               |                       |               |     |           |         | <u>HOLE SUMMARY</u><br>0- 24.0M<br>24.0-29.0<br>29.0-30.9<br>30.9-32.9<br>32.9-40.0<br>40.0-52.2<br>52.2-52.3<br>52.5-53.1<br>53.1-53.3<br>53.3-62.2<br>62.2-64.0<br>64.0-68.0<br>68.0-72.5<br>72.5-79.4<br>79.4-80.6<br>80.6-86.8<br>86.8-89.3<br>89.5-92.6<br>92.6-98.3<br>98.3-101.0<br>101.0-106.3 |                           |                     |       |       |               |                    |      |        |      |  |

CONT. ON 14.



# HOMESTAKE MINERAL DEVELOPMENT CO.

## **DIAMOND DRILL LOG**

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PROJECT TOLLYHOLE DESIGNATION T-91-03LOGGED BY DUNCAN McEVORSCALE 1:100PAGE 2 OF 11

| DRILL INTERVAL |      | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE<br>(DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ALTERATION AND VEINING     | MINERAL PERCENTAGES |     |     |      |          | ASSAY GEOCHEMISTRY |       |      |       | LAB  |  |  |
|----------------|------|-----------------------|---------------|-----------------------|-----------|-----|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------|-----|-----|------|----------|--------------------|-------|------|-------|------|--|--|
| FROM           | TO   |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                            | Pg                  | Po  | Cpy | ot4. | An (ppb) |                    |       |      |       |      |  |  |
| 20.0           |      |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                            |                     |     |     |      |          |                    |       |      |       |      |  |  |
| 21.0           |      |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                            |                     |     |     |      |          |                    |       |      |       |      |  |  |
| 22.0           |      |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                            |                     |     |     |      |          |                    |       |      |       |      |  |  |
| 23.0           |      |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                            |                     |     |     |      |          |                    |       |      |       |      |  |  |
| 24.0           |      |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                            |                     |     |     |      |          |                    |       |      |       |      |  |  |
| -24.0          | 26.0 | 2.0                   | 100%          | 45°                   |           | >50 | RUBBLE  | 24.0 - 29.0 M PERIDOTITE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Wk SERP. ALT.              | -                   | -   | -   |      |          | 16.2               | MTE   |      |       |      |  |  |
| 26.0           | 29.0 | 3.0                   | 100%          |                       |           | >50 | RUBBLE  | - black, fq. v. widely fol @ 40-50° to core, vr widely serp <sup>h</sup> peridolite<br>- strongly magnetic, ± 10% interstitial magnetite<br>- most fractured, @ all orientations, ± pred. serpentine, minor magnetite fract fill, fractures often have mm scale mte halos.<br>- no visible sulphides<br>- few (< 5%) thin (to 5mm) magnetite veins @ all orientations<br>- sharp contact @ 29.0M @ 50° to core.                                                                                                                                                                 | Wk SERP. ALT.              | -                   | -   | -   |      |          |                    |       |      |       |      |  |  |
| 29.0           | 32.0 | 3.0                   | 100%          |                       | CART      | 50° | 50°     | 29.0 - 30.9 M INTERMEDIATE LAPILLI TUFF / AGGLOMERATE (?)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Wk SERP. ALT.              | -                   | -   | -   |      |          | 16.2               | MTE   |      |       |      |  |  |
| 30.0           |      |                       |               |                       |           |     |         | - vlg to aph, bright light green (blue colour) coarsely silicified (to 50 to core) gradations, relatively hard, siliceous, ± 5-10% s. min. - 2 cm elongate n fol fragments of qtz, carb, calc, & gabbroic/diplic appearing lith., appears agglomeratic, but may be altered, brecciated contact.<br>- v. strongly fractured, @ all or 1, ± pred calc, magnetite, calc fract fill.<br>- trace vlg cass py & py along fractures<br>- @ 29.7, 10 cm of gabbroic frag/ xenolith.<br>- from 30.3-30.4, 10 cm gabbroic dyke @ 50° to core.<br>- v. sharp contact @ 30.9 @ 50° to core. | SILC?                      | TR.                 |     |     |      |          |                    |       |      | 22.99 | " 12 |  |  |
| 32.0           |      |                       |               |                       | CART      | 50° | 50°     | 30.9 - 32.2 M MAGIC TO UGREGAMIC INTRUSIVE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Wk EP ALT. OF PLAG.        | TR.                 |     |     |      |          | 30.0               | 23.00 | " 10 |       |      |  |  |
| 33.0           | 35.0 | 3.0                   | 100%          | MASSIVE               |           | 4   |         | (GABBRO - PYROXENITE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Wk - 460 PEAV. SILICA ALT. | TR.                 | TR. | TR. |      |          | 30.9               | 23.01 | " 5  |       |      |  |  |
| 34.0           |      |                       |               |                       |           |     |         | - fq. olivine, dk green, massive to v. crudely fol @ 50° to core, comp ± 70% fmsgs (approx), 30% widely exp. alt plagi, v. homogenous, non-magnetic<br>- only widely trac @ all orientations, ± calc. chl fract fill.<br>- trace cass py & py along fractures<br>- distinct contact @ 32.2 w underlying silicified unit.                                                                                                                                                                                                                                                        | 28                         | Froth.              |     |     |      |          |                    |       | 34.0 | 23.02 | " 6  |  |  |
| 35.0           |      |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                            |                     |     |     |      |          | 35.0               | 23.03 | " 5  |       |      |  |  |

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| DRILL INTERVAL |      | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                | ALTERATION and VEINING                    | MINERAL PERCENTAGES |     |     |             |          | ASSAY GEOCHEMISTRY |          |          |          |          |          |          |         |     |
|----------------|------|-----------------------|---------------|-----------------------|-----------|-----|---------|------------------------------------------------------------------------|-------------------------------------------|---------------------|-----|-----|-------------|----------|--------------------|----------|----------|----------|----------|----------|----------|---------|-----|
| FROM           | TO   |                       |               |                       |           |     |         |                                                                        |                                           | Py                  | Po  | Cpy | Other       | Au (ppb) | Ag (ppb)           | As (ppb) | Bi (ppb) | Co (ppb) | Ni (ppb) | Se (ppb) | Te (ppb) | W (ppb) | LAB |
| 35.0           | 36.0 |                       |               |                       |           |     |         |                                                                        |                                           |                     |     |     |             |          |                    |          |          |          |          |          |          |         |     |
| 35.0           | 38.0 | 3.0                   | 100%          | MASSIVE               | 6         |     |         | 32.2 - 40.0 M PORPHYRITIC, ALTERED (SILICIFIED) INT. TO<br>MAFIC VOLC. | WK-MOD<br>PBRN.<br>SIUCA<br>ALT.          | TR.                 | TR. | TR. | 22<br>Fuch. | 36.0     | 6                  |          |          |          |          |          |          |         |     |
| 36.0           | 37.0 |                       |               |                       |           |     |         |                                                                        |                                           |                     |     |     |             | 2304     | 45                 |          |          |          |          |          |          |         |     |
| 37.0           | 38.0 |                       |               |                       |           |     |         |                                                                        |                                           |                     |     |     |             | 2305     | 45                 |          |          |          |          |          |          |         |     |
| 38.0           | 39.0 |                       |               |                       | 10        |     |         |                                                                        |                                           |                     |     |     |             | 36.0     | 7                  |          |          |          |          |          |          |         |     |
| 38.0           | 41.0 | 3.0                   | 100%          |                       |           |     |         |                                                                        |                                           |                     |     |     |             | 2306     | 45                 |          |          |          |          |          |          |         |     |
| 40.0           | 41.0 |                       |               | MASSIVE               | 15        |     |         | 40.0 - 52.2 M FG (TO MG) XLINE BASALT (TO GABBRO)                      | WK SUL-<br>CARB ALT<br>HALOS ON<br>FRACS. | 0.5%                | -   | -   | 22<br>Fuch. | 37.0     | 8                  |          |          |          |          |          |          |         |     |
| 41.0           | 42.0 |                       |               |                       |           |     |         |                                                                        |                                           |                     |     |     |             | 2307     | 45                 |          |          |          |          |          |          |         |     |
| 42.0           | 43.0 |                       |               |                       |           |     |         |                                                                        |                                           |                     |     |     |             | 38.0     | 9                  |          |          |          |          |          |          |         |     |
| 43.0           | 44.0 |                       |               |                       | 3         |     |         |                                                                        |                                           |                     |     |     |             | 39.0     | 10                 |          |          |          |          |          |          |         |     |
| 44.0           | 47.0 | 3.0                   | 100%          |                       |           |     |         |                                                                        |                                           |                     |     |     |             | 40.0     | 11                 |          |          |          |          |          |          |         |     |
| 45.0           | 47.0 |                       |               | 5                     |           |     |         |                                                                        | TR.<br>Fuch.                              | 0.5%                | -   | -   | 22<br>Fuch. | 41.0     | 12                 |          |          |          |          |          |          |         |     |
| 46.0           | 47.0 |                       |               |                       |           |     |         |                                                                        |                                           |                     |     |     |             | 42.0     | 13                 |          |          |          |          |          |          |         |     |
| 47.0           | 48.0 |                       |               |                       |           |     |         |                                                                        |                                           |                     |     |     |             | 43.0     | 14                 |          |          |          |          |          |          |         |     |
| 48.0           | 49.0 |                       |               |                       |           |     |         |                                                                        |                                           |                     |     |     |             | 44.0     | 15                 |          |          |          |          |          |          |         |     |
| 49.0           | 50.0 | 3.0                   | 100%          |                       |           |     |         |                                                                        |                                           |                     |     |     |             | 45.0     | 16                 |          |          |          |          |          |          |         |     |
| 50.0           |      |                       |               |                       |           |     |         |                                                                        |                                           |                     |     |     |             | 46.0     | 17                 |          |          |          |          |          |          |         |     |
|                |      |                       |               |                       |           |     |         |                                                                        |                                           |                     |     |     |             | 47.0     | 18                 |          |          |          |          |          |          |         |     |
|                |      |                       |               |                       |           |     |         |                                                                        |                                           |                     |     |     |             | 48.0     | 19                 |          |          |          |          |          |          |         |     |
|                |      |                       |               |                       |           |     |         |                                                                        |                                           |                     |     |     |             | 49.0     | 20                 |          |          |          |          |          |          |         |     |
|                |      |                       |               |                       |           |     |         |                                                                        |                                           |                     |     |     |             | 50.0     | 21                 |          |          |          |          |          |          |         |     |

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| DRILL INTERVAL |      | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE           | ROD | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ALTERATION AND VEINING | MINERAL PERCENTAGES |   |     |                |       | ASSAY GEOCHEMISTRY |      |    |      |    |  |  |  |
|----------------|------|-----------------------|---------------|-----------------------|---------------------|-----|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------|---|-----|----------------|-------|--------------------|------|----|------|----|--|--|--|
| FROM           | TO   |                       |               |                       |                     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | Pg                  | B | Cpx | Py             | Other | Au (ppb)           | Ag   | As | Co   | Ni |  |  |  |
| 50.0           |      |                       |               |                       |                     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        |                     |   |     |                |       |                    |      |    |      |    |  |  |  |
| 51.0           | 53.0 | 3.0                   | 100%          | MASSIVE               |                     | 15  |         | 40.0-52.2M CONTINUED                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Wk Calc Alt.           | 0%                  |   |     |                |       | 2314               | 16   | 5  |      |    |  |  |  |
| 52.0           |      |                       |               |                       |                     |     |         | -@ 45.2, about 5 mm contorted qtz-mag vns @ all or., host is strongly silicified / 10 cm.<br>-@ 46.0, 1 cm qtz-mag vns @ 50° to cat.<br>from 46.0-47.0, cpx, locally several chl-carb-py filled fractures @ 0-20° to cat.<br>from 47.0-47.2, y. mottled appearing, around 3 cm calc-chl-mag vns @ 30° to cat.<br>from 47.3-47.5, 2 cm sil-carb alt halo, no fracs @ 20° to cat.<br>from 47.0-52.2, grayer, mod pervasively, calcite chl, becomes gradually finer grained to fq by 52.2M. |                        |                     |   |     | Tr. Fria, Spk. | 51.0  |                    |      |    |      |    |  |  |  |
| 53.0           |      |                       |               | MASSIVE               |                     | 7   |         | @ 49.5, 1 cm qtz-dol vns @ 45° to cat.<br>@ 50.9, 4 cm gray qtz-re carb vns @ 30° to cat, ± tr. Pg-Cpx-sphalerite.<br>@ 51.2, 3 cm checky gray qtz vns @ 40° to cat ± tr. Pg, 1% sphalerite @ vns margins.<br>from 51.1-52.2, Pg increases to 2%                                                                                                                                                                                                                                         | Wk Calc Alt.           | 3%                  |   |     |                | 60.0  | 2315               | 17   |    |      |    |  |  |  |
| 54.0           | 53.0 | 56.0                  | 3.0           | 100%                  |                     |     |         | 52.2-52.5M BRECCIATED/FRAGMENTAL MAFIC VOLC.                                                                                                                                                                                                                                                                                                                                                                                                                                             | Wk Calc Alt.           | 3%                  |   |     |                |       | 53.3               | 18   |    |      |    |  |  |  |
| 55.0           |      |                       |               |                       |                     |     |         | - strongly brecciated. @ 65° to cat, comprised of 70% <1cm to 3cm elong + bol frags of wky chl-calc alt mafic volc, in wky, dk green chloritic groundmass, c. 3% Pg as wky chl, minor, i. occasional fragmental app. blebs to 5mm.<br>sharp contact @ 52.5 @ 70° to cat.                                                                                                                                                                                                                 |                        |                     |   |     |                |       |                    |      |    |      |    |  |  |  |
| 56.0           |      | 59.0                  | 3.0           | 100%                  |                     | 4   |         | 52.5-53.1M GRAPHITIC ARGILLITE                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Wk Calc Alt.           | 1%                  |   |     |                |       | 56.0               |      |    |      |    |  |  |  |
| 57.0           |      |                       |               |                       |                     |     |         | - finely wd, @ 30°-85° to cat, soft, v-graphitic (60%) argillite, c. 20% sand + 1cm sericitic argillite interbeds, 10% 1-2 cm contorted to brecciated hard white Fe carb.<br>minor qtz vns 1-2cm<br>- 5% Pg, as nodular blebs to 2cm, thin semi-massive bands w/ bl. i. vlg. diss min. & 1% sph as thin seams // bl.                                                                                                                                                                     |                        |                     |   |     |                |       |                    |      |    |      |    |  |  |  |
| 58.0           |      | 59.0                  | 62.0          | 3.0                   | 100%                | 5   |         | 53.1-53.3M BRECCIATED/FRAGMENTAL MAFIC VOLC.                                                                                                                                                                                                                                                                                                                                                                                                                                             | Wk Calc Alt.           | 1%                  |   |     |                |       | 58.0               | 19   |    |      |    |  |  |  |
| 59.0           |      |                       |               |                       |                     |     |         | - as in 52.2-52.5M.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Wk Ser Alt.            |                     |   |     |                |       | 59.0               | 2317 | <5 |      |    |  |  |  |
| 60.0           |      |                       |               |                       |                     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        |                     |   |     |                |       |                    |      |    |      |    |  |  |  |
| 61.0           |      | 62.0                  | 3.0           | 100%                  |                     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        |                     |   |     |                |       |                    |      |    |      |    |  |  |  |
| 62.0           |      | 65.0                  | 3.0           | 100%                  | FAULT GOUGE, RUBBLE | >30 |         | 53.3-62.2M LIPSCOMBITE QCHL. VARIEGATED BASALT                                                                                                                                                                                                                                                                                                                                                                                                                                           | Intense Chlorite Alt.  | 1%                  |   |     |                |       | 61.2               | 21   |    |      |    |  |  |  |
| 63.0           |      |                       |               |                       |                     |     |         | - massive, vlg. dk grayish green, to light green, wky chl basalt, c. alt. 5% 1-3 mm pink to white leucosome blebs, & c. 15% 1-5 mm. gray to beige Fe carb alt/replaced irregular blebs that resemble variolites. - lcx + variolite content increase down hole.<br>need to strengthen freq. @ all or, ± pred. chl, some Fe carb, calc, Pg, qtz, Fe carb fill.<br>- autobrecciated in places.                                                                                              |                        |                     |   |     |                |       |                    |      |    |      |    |  |  |  |
| 64.0           |      |                       |               |                       |                     |     |         | - as sulphide content: 1% chl Pg as occ. cubic blebs, & minor frac fill, minor vlg. diss min.<br>non-mag. < 6% thin chl-carb vns to 5mm @ all or.<br>from 54.2-54.4, widely autobrecciated.<br>@ 54.9, 2 cm qtz-calc vns @ 90° to cat.                                                                                                                                                                                                                                                   | Wk Calc Alt.           | 1%                  |   |     |                |       |                    |      |    | 62.2 | 22 |  |  |  |
| 65.0           |      |                       |               |                       |                     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Wk Calc Alt.           |                     |   |     |                |       | 64.0               | 2326 | 12 |      |    |  |  |  |

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| DRILL INTERVAL |      | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | ROD                   | GRAPHIC | ROCK TYPE (DESCRIPTION) | ALTERATION and VENING                         | MINERAL PERCENTAGES |     |     |      |       | ASSAY GEOCHEMISTRY |      |     |  |  |
|----------------|------|-----------------------|---------------|-----------------------|-----------|-----------------------|---------|-------------------------|-----------------------------------------------|---------------------|-----|-----|------|-------|--------------------|------|-----|--|--|
| FROM           | TO   |                       |               |                       |           |                       |         |                         |                                               | Py                  | Pb  | Cu  | AsPy | Other |                    |      |     |  |  |
| 80.0           |      |                       |               |                       |           |                       |         |                         | 30% QC VEINS                                  | 5%                  | -   | -   | -    | -     | 80.6               | 2333 | 102 |  |  |
| 81.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 36                 |      |     |  |  |
| 80.0           | 83.0 | 3.0                   | 100%          |                       |           | 30° FAULT<br>Cleavage |         |                         | STRONG<br>SER.-Fe<br>CARB ALT<br>(OF FRAGS)   | 1%                  | TR. | TR. | -    | -     | 81.3               | 2334 | 56  |  |  |
| 82.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 37                 |      |     |  |  |
| 83.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 2335               | 45   |     |  |  |
| 84.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 38                 |      |     |  |  |
| 83.0           | 86.0 | 3.0                   | 100%          |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 2336               | 37   |     |  |  |
| 85.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 39                 |      |     |  |  |
| 86.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 2337               | 208  |     |  |  |
| 87.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 40                 |      |     |  |  |
| 86.0           | 89.0 | 3.0                   | 100%          |                       |           | 30°                   |         |                         | STRONG<br>SER.-Fe<br>CARB ALT.<br>(OF FRAGS)  | 1%                  | TR. | TR. | -    | -     | 85.8               | 2338 | 581 |  |  |
| 88.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 41                 |      |     |  |  |
| 89.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 2339               | 37   |     |  |  |
| 87.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 42                 |      |     |  |  |
| 86.0           | 89.0 | 3.0                   | 100%          |                       |           | 9                     |         |                         | INTENSE<br>SER.-Fe<br>CARB ALT.<br>(OF FRAGS) | 5%                  | -   | -   | 0.2% | -     | 87.3               | 2340 | 287 |  |  |
| 88.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 43                 |      |     |  |  |
| 89.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 44                 |      |     |  |  |
| 87.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 2341               | 516  |     |  |  |
| 88.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 2342               | 227  |     |  |  |
| 89.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 45                 |      |     |  |  |
| 88.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 2343               | 861  |     |  |  |
| 89.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 46                 |      |     |  |  |
| 89.0           | 92.0 | 3.0                   | 100%          |                       |           | 70°                   |         |                         |                                               |                     |     |     |      |       | 2344               | 435  |     |  |  |
| 90.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 47                 |      |     |  |  |
| 89.0           | 92.0 | 3.0                   | 100%          |                       |           | 7                     |         |                         | STRONG<br>SER.-Fe<br>CARB ALT.                | 2%                  | TR. | -   | -    | -     | 88.0               | 2345 | 148 |  |  |
| 90.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 48                 |      |     |  |  |
| 91.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 88.7               | 2346 | 119 |  |  |
| 92.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 49                 |      |     |  |  |
| 91.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 91.6               | 2347 | 64  |  |  |
| 92.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 50                 |      |     |  |  |
| 93.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 2348               | 67   |     |  |  |
| 92.0           | 95.0 | 3.0                   | 100%          |                       |           | 70°                   |         |                         |                                               |                     |     |     |      |       | 51                 |      |     |  |  |
| 93.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 2349               | 28   |     |  |  |
| 94.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 52                 |      |     |  |  |
| 95.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 2350               | 58   |     |  |  |
| 92.0           | 95.0 | 3.0                   | 100%          |                       |           | 25                    |         |                         | 50% QC<br>VEINS.                              | 4%                  | -   | -   | -    | -     | 93.3               | 2351 | 22  |  |  |
| 93.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 53                 |      |     |  |  |
| 94.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 94.5               |      |     |  |  |
| 95.0           |      |                       |               |                       |           |                       |         |                         |                                               |                     |     |     |      |       | 2352               |      |     |  |  |

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE         | ROD         | GRAPHIC | ROCK TYPE<br>(DESCRIPTION) | ALTERATION AND<br>VEINING                                      | MINERAL PERCENTAGES |    |     |       |      | ASSAY GEOCHEMISTRY |  |  |  |  |
|----------------|-------|-----------------------|---------------|-----------------------|-------------------|-------------|---------|----------------------------|----------------------------------------------------------------|---------------------|----|-----|-------|------|--------------------|--|--|--|--|
| FROM           | TO    |                       |               |                       |                   |             |         |                            |                                                                | Py                  | Po | Cpy | Other |      | Ag (ppb)           |  |  |  |  |
| 110.0          | 110.3 | 3.0                   | 100%          | 70°                   |                   |             |         | 106-3-110-04 CONTINUED     | INTENSE<br>TALC<br>ALT.<br>MOD.<br>CARB<br>(MAGNETITE)<br>ALT. |                     |    |     |       | 68   |                    |  |  |  |  |
| 110.0          | 113.0 | 3.0                   | 100%          |                       |                   |             |         | 106-3-110-04 CONTINUED     |                                                                |                     |    |     |       | 2366 | <5                 |  |  |  |  |
| 111.0          |       |                       |               |                       |                   |             |         | 106-3-110-04 CONTINUED     |                                                                |                     |    |     |       | 69   |                    |  |  |  |  |
| 110.0          | 113.0 | 3.0                   | 100%          |                       |                   |             |         | 106-3-110-04 CONTINUED     |                                                                |                     |    |     |       | 2367 | <5                 |  |  |  |  |
| 112.0          |       |                       |               |                       |                   |             |         | 106-3-110-04 CONTINUED     |                                                                |                     |    |     |       | 70   |                    |  |  |  |  |
| 113.0          |       |                       |               |                       |                   |             |         | 106-3-110-04 CONTINUED     |                                                                |                     |    |     |       | 2368 | <5                 |  |  |  |  |
| 114.0          |       |                       |               |                       |                   |             |         | 106-3-110-04 CONTINUED     |                                                                |                     |    |     |       | 71   |                    |  |  |  |  |
| 113.0          | 116.0 | 3.0                   | 100%          |                       |                   |             |         | 106-3-110-04 CONTINUED     |                                                                |                     |    |     |       | 2369 | <5                 |  |  |  |  |
| 115.0          |       |                       |               |                       |                   |             |         | 106-3-110-04 CONTINUED     |                                                                |                     |    |     |       | 72   |                    |  |  |  |  |
| 116.0          |       |                       |               |                       |                   |             |         | 106-3-110-04 CONTINUED     |                                                                |                     |    |     |       | 2370 | <5                 |  |  |  |  |
| 117.0          |       |                       |               |                       |                   |             |         | 106-3-110-04 CONTINUED     |                                                                |                     |    |     |       | 73   |                    |  |  |  |  |
| 116.0          | 119.0 | 3.0                   | 100%          | 50-60°                |                   |             |         | 106-3-110-04 CONTINUED     |                                                                |                     |    |     |       | 2371 | <5                 |  |  |  |  |
| 118.0          |       |                       |               |                       |                   |             |         | 106-3-110-04 CONTINUED     | STRONG<br>TALC-<br>SERP.<br>ALT.                               |                     |    |     |       | 74   |                    |  |  |  |  |
| 119.0          |       |                       |               |                       |                   |             |         | 106-3-110-04 CONTINUED     |                                                                |                     |    |     |       | 2372 | <5                 |  |  |  |  |
| 120.0          |       |                       |               |                       |                   |             |         | 106-3-110-04 CONTINUED     |                                                                |                     |    |     |       | 75   |                    |  |  |  |  |
| 119.0          | 122.0 | 3.0                   | 100%          |                       |                   |             |         | 106-3-110-04 CONTINUED     |                                                                |                     |    |     |       | 2373 | <5                 |  |  |  |  |
| 121.0          |       |                       |               |                       |                   |             |         | 106-3-110-04 CONTINUED     |                                                                |                     |    |     |       | 76   |                    |  |  |  |  |
| 122.0          |       |                       |               |                       |                   |             |         | 106-3-110-04 CONTINUED     |                                                                |                     |    |     |       | 2374 | <5                 |  |  |  |  |
| 123.0          |       |                       |               |                       |                   |             |         | 106-3-110-04 CONTINUED     |                                                                |                     |    |     |       | 77   |                    |  |  |  |  |
| 122.0          | 125.0 | 3.0                   | 100%          | 0-30°                 | FAULT GOUGE CLAY. | >50 RUBBLE. |         | 106-3-110-04 CONTINUED     |                                                                |                     |    |     |       | 2375 | <5                 |  |  |  |  |
| 123.0          |       |                       |               |                       |                   |             |         | 106-3-110-04 CONTINUED     | INTENSE<br>RETROGRADE<br>CLAY ALT<br>(+ TALC,<br>SERP.)        |                     |    |     |       | 78   |                    |  |  |  |  |
| 124.0          |       |                       |               |                       |                   |             |         | 106-3-110-04 CONTINUED     |                                                                |                     |    |     |       | 2376 | <5                 |  |  |  |  |
| 125.0          |       |                       |               |                       |                   |             |         | 106-3-110-04 CONTINUED     |                                                                |                     |    |     |       | 79   |                    |  |  |  |  |

PROJECT TULLY

HOLE DESIGNATION T-91-03

LOGGED BY DUNCAN MCIVOR

SCALE 1:100

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE         | STRUCTURE | ROD          | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ALTERATION and VENNING             | MINERAL PERCENTAGES |    |     |   |     | ASSAY GEOCHEMISTRY |      |    |  | LAB |  |  |
|----------------|-------|-----------------------|---------------|-------------------------------|-----------|--------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------|----|-----|---|-----|--------------------|------|----|--|-----|--|--|
| FROM           | TO    |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                    | Pg                  | Po | Cpy |   | Ort | Ag (ppb)           |      |    |  |     |  |  |
| 125.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | INTENSE CLAY + TALK-SERP ALT.      | -                   | -  | -   | - | -   | 83                 | 11   |    |  |     |  |  |
| 126.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | INTENSE CLAY + TALK-SERP ALT.      | -                   | -  | -   | - | -   | 2381               | <5   |    |  |     |  |  |
| 126.0          | 128.0 | 3.0                   | 100%          | 0°/35° FAULT GOUGE/CLAY-CRACK | 15-30°    | >50mm RUBBLE |         | 126.7 - 151.8m INTERBEDDED GRAPHITE ARGILLITE & SILSTONE - GRAYWACKE.<br>- thinly bedded, interbedded, soft jet black v. graphitic (20-30%) argillite, usually ± associated 3-7% vugs, drusy cubic Pg, & occasional larger nodular Pg, bleb to 5mm, minor (10%) thin ass. silica, carb. seams n bed, graphitic to 70% of unit, f.<br>- slightly coarser vlg. grapt. v. granular, wky to spch. sericitic "silstone" type interbeds, occ. & a few small rock frags. to "wacke", to 30% of unit.<br>- beds att. c 5mm to 1-2 cm.<br>- bedding is intensely contorted, often highly folded, varies from 0-90° throughout unit, c major or outlined below unit is mod. locc. prop. set @ 0° to core, it is fol., pred. calc., minor qtz, chl. hemat., Pg, trace hil.<br>- 5% thin secondary (to 1cm) qtz-major calc var s all orientations.<br>- overpass sulphide content: 4% Pg, as vlg. chs. min. in both graphitic & wacke beds, s. as bands/bands to 5mm ass. graph. argillite.<br>- from 126.7 - 131.0, core intensely fractured, rubbly, locally core angles @ 15-30° to core.<br>- from 131.0 - 132.2, core angles @ 0° to core, 11 major mac/this fault @ that or.<br>- from 132.2 - 134.0, core angles pred. @ 70° to core.<br>- from 134.0 - 135.5, core angles @ 0-20° to core.<br>- from 135.5 - 136.0, core angles @ 75° to core.<br>- from 136.0 - 137.3, core angles @ 40° to core.<br>- @ 137.3, fold nose, core from 40°-p°-30°<br>- by 140.0, core angles pred. @ 40° to core, though locally variable, thin silstone-wacke interbeds increase to 40% of unit, beds thicken to av. 1-2 cm.<br>- from 138.7 - 139.3, fold nose, core 40°-0°-40°.<br>- by 145.0, core angles pred. 65° to core.<br>- from 150.8 - 151.8, silstone-wacke interbeds to 3-5 cm & 60%. locally core angles @ 80° to core. | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 126.0              | 2381 | <5 |  |     |  |  |
| 127.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 84                 |      |    |  |     |  |  |
| 128.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 2382               | <5   |    |  |     |  |  |
| 129.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 85                 |      |    |  |     |  |  |
| 130.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 2383               | 17   |    |  |     |  |  |
| 131.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 86                 | 12   |    |  |     |  |  |
| 132.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 2384               |      |    |  |     |  |  |
| 133.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 87                 |      |    |  |     |  |  |
| 134.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 2385               | 13   |    |  |     |  |  |
| 135.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 88                 |      |    |  |     |  |  |
| 136.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 2386               | 21   |    |  |     |  |  |
| 137.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 89                 |      |    |  |     |  |  |
| 138.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 2387               | 13   |    |  |     |  |  |
| 139.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 90                 |      |    |  |     |  |  |
| 140.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 2388               | 16   |    |  |     |  |  |
| 134.0          | 137.0 | 3.0                   | 100%          | 0°/20°                        | 25        |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 91                 |      |    |  |     |  |  |
| 135.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 2389               | 10   |    |  |     |  |  |
| 136.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 92                 |      |    |  |     |  |  |
| 137.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 2390               | 10   |    |  |     |  |  |
| 138.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 93                 |      |    |  |     |  |  |
| 139.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 2391               | 8    |    |  |     |  |  |
| 140.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 94                 |      |    |  |     |  |  |
| 137.0          | 140.0 | 3.0                   | 100%          | 40°                           | Fold Nose | 15           |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 95                 |      |    |  |     |  |  |
| 138.0          |       |                       |               |                               |           | 9            |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 96                 |      |    |  |     |  |  |
| 139.0          |       |                       |               |                               |           | 40°          |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 97                 |      |    |  |     |  |  |
| 140.0          |       |                       |               |                               |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wk SEE-CALC ALT OF SLTS/WK INTBEDS | 4%                  | -  | -   | - | -   | 98                 |      |    |  |     |  |  |

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE (DESCRIPTION) | ALTERATION and VENNING | MINERAL PERCENTAGES |    |     |       |     | ASSAY GEOCHEMISTRY |               |          | LAB      |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|-------------------------|------------------------|---------------------|----|-----|-------|-----|--------------------|---------------|----------|----------|
| FROM           | TO    |                       |               |                       |           |     |         |                         |                        | Pg                  | Po | Cpy | Other | OTH | DEPTH<br>M         | SAMPLE NUMBER | Au (ppm) | Ag (ppm) |
| 140.0          | 143.0 | 3.0                   | 100%          | 40°                   |           | 7   |         |                         |                        |                     |    |     |       |     | 94                 |               |          |          |
| 141.0          |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |       |     | 2392               | 10            |          |          |
| 142.0          |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |       |     | 95                 |               |          |          |
| 143.0          |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |       |     | 2393               | 6             |          |          |
| 144.0          |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |       |     | 96                 |               |          |          |
| 145.0          | 146.0 | 3.0                   | 100%          | 60°                   |           | 5   |         |                         |                        |                     |    |     |       |     | 2394               | 5             |          |          |
| 146.0          | 149.0 | 3.0                   | 100%          |                       |           | 5   |         |                         |                        |                     |    |     |       |     | 97                 |               |          |          |
| 147.0          |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |       |     | 2395               | 6             |          |          |
| 148.0          |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |       |     | 98                 |               |          |          |
| 149.0          | 152.0 | 3.0                   | 100%          |                       |           | 7   |         |                         |                        |                     |    |     |       |     | 2396               | 6             |          |          |
| 150.0          |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |       |     | 99                 |               |          |          |
| 151.0          |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |       |     | 2397               | 8             |          |          |
| 152.0          |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |       |     | 100                |               |          |          |
| 153.0          | 155.0 | 3.0                   | 100%          | 80°                   |           |     |         |                         |                        |                     |    |     |       |     | 2398               | <5            |          |          |
| 154.0          |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |       |     | 101                |               |          |          |
| 155.0          |       |                       |               |                       |           | 12  |         |                         |                        |                     |    |     |       |     | 2399               | 17            |          |          |
|                |       |                       |               | 75-80°                |           |     |         |                         |                        |                     |    |     |       |     | 102                |               |          |          |
|                |       |                       |               | 75-80°                |           |     |         |                         |                        |                     |    |     |       |     | 2400               | <5            |          |          |
|                |       |                       |               | 75-80°                |           |     |         |                         |                        |                     |    |     |       |     | 103                |               |          |          |
|                |       |                       |               | 75-80°                |           |     |         |                         |                        |                     |    |     |       |     | 2401               | <5            |          |          |

151.8 - 153.4 M "SLISTONE"  
 vlg, granular, dk gray, wldly carbonaceous, thinly bedded  
 (3-5 mm) soft, mod. silicic, calcitic siltstone,  
 locally bd. @ 80° to cov.  
 only wldly trac, pred. subhd. fol., c-calc chl, ser, graph  
 frag fill.

contains ~5% Pg as vlg. dials min. & occasional fragment  
 to 1 cm.

#### 153.4 - 154.8 GRAPHITIC AGGILLITE

- thinly bd. @ 75°-80° to cov., though contorted in places,  
 jet black, relatively soft, v. graphic (Pg) possible.
- 153.9 thin 1-2 cm, often strongly contorted to brecciated  
 siltstone-wacke type interbeds.

- 154.7 thin, v. contorted, 5 mm-1cm calc. minor qtz seams/  
 filled bays @ all pr.
- strongly trac, @ all pr, c-calc chl, Pg frag fill.
- 5% Pg as nodular blobs to 1cm, occasional semi-massive  
 bands to 3 mm w. fol., & vlg. dials min.

#### 154.8 - 155.9 M BRECCIATED (SLUMPED) SLISTONE

- dk gray, vlg, wldly spreccite, mod. calcitic, granular siltstone,  
 thinly bd @ 75-80° to cov. & locally brecciated into 1-2 cm  
 frags along w. fol by thin 1-5 mm graph seams - slumped.
- mod. trac pred. fol. c-calc Pg, graph frag fill.
- 3-7 qtz. calc veins w. fol. 5% vlg. dials Pg, occ. sym. nodule

**PROJECT** Tilly

HOLE DESIGNATION T-91-03

LOGGED BY DUNCAN MCIVOR

SCALE 1:100

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | ROD | GRAPHIC | ROCK TYPE (DESCRIPTION) | ALTERATION and VENING | MINERAL PERCENTAGES |    |     |       |   | ASSAY GEOCHEMISTRY |          |          | LAB |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|-------------------------|-----------------------|---------------------|----|-----|-------|---|--------------------|----------|----------|-----|
| FROM           | TO    |                       |               |                       |           |     |         |                         |                       | Py                  | Po | Cpy | Other |   | Au (ppb)           | Ag (ppb) | As (ppb) |     |
| 155.0          |       |                       |               |                       |           |     |         |                         | Wk SER-CALC ALT.      | 5%                  | -  | -   | -     | - | 104.               |          |          |     |
| 156.0          | 156.0 | 158.0                 | 3.0           | 100%                  |           |     |         |                         |                       |                     |    |     |       |   | 156.4              | 2402     | <5       |     |
| 157.0          |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |       |   | 105                |          |          |     |
| 158.0          |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |       |   | 157.0              | 2403     | 7        |     |
| 159.0          |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |       |   | 106                |          |          |     |
| 158.0          | 161.0 | 161.0                 | 3.0           | 100%                  |           |     |         |                         |                       |                     |    |     |       |   | 158.4              | 2404     | 6        |     |
| 160.0          |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |       |   | 159.0              | 2405     | <5       |     |
| 161.0          |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |       |   | 159.6              | 2406     | <5       |     |
| 162.0          |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |       |   | 160.4              | 2407     | <5       |     |
| 161.0          | 164.0 | 164.0                 | 3.0           | 100%                  |           |     |         |                         |                       |                     |    |     |       |   | 162.0              |          |          |     |
| 163.0          |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |       |   | 163.5              |          |          |     |
| 164.0          |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |       |   | 164.0              | 2409     | <5       |     |
| 165.0          |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |       |   | 165.0              | 2410     | <5       |     |
| 164.0          | 167.0 | 167.0                 | 3.0           | 100%                  |           |     |         |                         |                       |                     |    |     |       |   | 166.5              | 2411     | <5       |     |
| 166.0          |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |       |   | 167.0              |          |          |     |
| 167.0          |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |       |   | 167.5              |          |          |     |
| 168.0          |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |       |   | 168.0              | 2412     | 5        |     |
| 167.0          | 170.0 | 170.0                 | 3.0           | 100%                  |           |     |         |                         |                       |                     |    |     |       |   | 168.4              | 2413     | <5       |     |
| 169.0          |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |       |   | 169.0              | 2414     | <5       |     |
| 170.0          |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |       |   | 170.0              |          |          |     |



# HOMESTAKE MINERAL DEVELOPMENT CO.

## **DIAMOND DRILL LOG**

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PROJECT TULLY ELEVATION -8  
HOLE DESIGNATION T-91-04 AZIMUTH 180°  
NTS 42A/14 DIP -50°  
CLAIM  LENGTH OF HOLE 158.0M  
EASTING 18+00E (IMPERIAL GRID) CORE DIAMETER NQ  
NORTHING 11+00N

CONTRACTOR NOREX  
DATE STARTED FEBRUARY 19, 91  
DATE FINISHED FEBRUARY 21, 91  
LOGGED BY DUNCAN MCIVOR  
DATE FEBRUARY, 1991  
SCALE 1:100

## **BASELINE** IMPERIAL GRID

| TEST DEPTH | 0    | 24.04 | 75.04 | 158.04 |
|------------|------|-------|-------|--------|
| AZIMUTH    | 180° | 180°  | 180°  | 180°   |
| DIP        | -55° | -49°  | -48°  | -48°   |



# HOMESTAKE MINERAL DEVELOPMENT CO.

## **DIAMOND DRILL LOG**

Page 1A of 10

|                  |         |                |  |
|------------------|---------|----------------|--|
| PROJECT          | TU44    | ELEVATION      |  |
| HOLE DESIGNATION | T-91-04 | AZIMUTH        |  |
| NTS              |         | DIP            |  |
| CLAIM            |         | LENGTH OF HOLE |  |
| EASTING          |         | CORE DIAMETER  |  |
| NORTHING         |         |                |  |

CONTRACTOR \_\_\_\_\_  
DATE STARTED \_\_\_\_\_  
DATE FINISHED \_\_\_\_\_  
LOGGED BY \_\_\_\_\_  
DATE \_\_\_\_\_  
SCALE \_\_\_\_\_

|                   |  |  |  |  |
|-------------------|--|--|--|--|
| <b>TEST DEPTH</b> |  |  |  |  |
| <b>AZIMUTH</b>    |  |  |  |  |
| <b>DIP</b>        |  |  |  |  |

**PROJECT** TOMI

## HOLE DESIGNATION

T-91-04

LOGGED BY DUNCAN MCIVOR

— SCALE —

1 : 100

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PROJECT Tully HOLE DESIGNATION T-91-04 LOGGED BY DUNCAN MCIVOR SCALE 1:100 PAGE 3 OF 10

PROJECT TULLYHOLE DESIGNATION T-91-04LOGGED BY DUNCAN McIVORSCALE 1:100PAGE 4 OF 10

| DRILL INTERVAL |      | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE<br>(DESCRIPTION)                                                                                                       | ALTERATION and VENING       | MINERAL PERCENTAGES |      |     |      |      | ASSAY GEOCHEMISTRY |      |    |  |  |
|----------------|------|-----------------------|---------------|-----------------------|-----------|-----|---------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------|------|-----|------|------|--------------------|------|----|--|--|
| FROM           | TO   |                       |               |                       |           |     |         |                                                                                                                                  |                             | Py                  | Po   | Cpy | AsPy | Gth. | Ag (ppb)           |      |    |  |  |
| 53.0           | 56.0 | 3.0                   | 100%          | MASSIVE               |           | 7   |         | 53.7-57.1 M CONTINUED                                                                                                            | WK CHL ALT.                 | 29.0                | -    | -   | -    | -    | 55.0               | 2419 | <5 |  |  |
| 56.0           | 59.0 | 3.0                   | 100%          |                       |           |     |         | 53.8-55.9, 1cm qz. Fe/Mg carb in @ 70° to cov.                                                                                   |                             |                     | 56.0 |     |      |      |                    |      |    |  |  |
| 57.0           | 58.0 | 3.0                   | 100%          |                       |           |     |         | @ 55.8-55.9, 10 cm qz. Fe/Mg carb in @ 40° to cov. ± 170 Py.                                                                     |                             |                     | 57.0 |     |      |      |                    |      |    |  |  |
| 58.0           | 59.0 | 3.0                   | 100%          |                       |           |     |         | from 56.3-56.5, 20 cm vfg zone (How top).                                                                                        |                             |                     | 58.0 |     |      |      |                    |      |    |  |  |
| 59.0           | 62.0 | 3.0                   | 100%          |                       |           |     |         | from 56.5-57.1, becomes finer grained, to vfg, contact @ 57.1 marked by thin breccia/hyaloclastite zone @ 45° to cov.            |                             |                     | 59.0 |     |      |      |                    |      |    |  |  |
| 60.0           | 62.0 | 3.0                   | 100%          |                       |           |     |         | 57.1-66.0 M MASSIVE FG-MG BASALT TO GABBRO (Pyrox).                                                                              |                             |                     | 60.0 |     |      |      |                    |      |    |  |  |
| 61.0           | 62.0 | 3.0                   | 100%          |                       |           |     |         | similar to 27.7-53.7,                                                                                                            |                             |                     | 61.0 |     |      |      |                    |      |    |  |  |
| 62.0           | 65.0 | 3.0                   | 100%          |                       |           |     |         | massive vs. dk green, pred fq, to mg in places, illite basalt.                                                                   |                             |                     | 62.0 |     |      |      |                    |      |    |  |  |
| 63.0           | 65.0 | 3.0                   | 100%          |                       |           |     |         | v. homogeneous, may be intrusive.                                                                                                |                             |                     | 63.0 |     |      |      |                    |      |    |  |  |
| 64.0           | 65.0 | 3.0                   | 100%          |                       |           |     |         | wkly chl, wkly sauss (or plaq), non-magnetic.                                                                                    |                             |                     | 64.0 |     |      |      |                    |      |    |  |  |
| 65.0           | 68.0 | 3.0                   | 100%          | MASSIVE               |           | 20  |         | strongly fractured, @ all orientations, ± pred. chl, Fe/Mg carb, minor hole, Py free fill. traces wkly brecciate rock in places. | WK CHL-SAUSS ALT.           | 1% TR. TR.          | -    | -   | -    | -    | 65.0               |      | <5 |  |  |
| 66.0           | 68.0 | 3.0                   | 100%          |                       |           |     |         | contains 3-5% 1-3mm dips lcs blebs in places.                                                                                    |                             |                     |      |     |      |      | 66.0               |      |    |  |  |
| 67.0           | 68.0 | 3.0                   | 100%          |                       |           |     |         | clear (<5%) thin (to 1cm) qz. Fe/Mg carb chl vs @ all or.                                                                        |                             |                     |      |     |      |      | 67.0               |      |    |  |  |
| 68.0           | 69.0 | 3.0                   | 100%          |                       |           |     |         | average sulphide content: 1% Py, pred. as free fill, tr. Pb, Cpy.                                                                |                             |                     |      |     |      |      | 68.0               |      |    |  |  |
| 69.0           | 71.0 | 3.0                   | 100%          |                       |           |     |         | @ 58.7, 1cm chl vs @ 65° to cov.                                                                                                 |                             |                     |      |     |      |      | 69.0               |      |    |  |  |
| 70.0           |      |                       |               | MASSIVE               |           | 4   |         | @ 60.2, 3cm hard, pinkish gray Fe/Mg carb up @ 70° to cov.                                                                       | WK CHL-SAUSS ALT.           | 1% TR. TR.          | -    | -   | -    | -    | 69.5               |      | <5 |  |  |
| 71.0           |      |                       |               |                       |           |     |         | @ 63.9, 1cm qz. Fe/Mg carb chl vs @ 65° to cov.                                                                                  |                             |                     |      |     |      |      | 71.0               |      |    |  |  |
| 72.0           |      |                       |               | MASSIVE               |           | 3   |         | @ 65.3, 1cm qz-carb vs @ 30° to cov.                                                                                             | WK CHL-SAUSS ALT.           | 1% TR. TR.          | -    | -   | -    | -    | 69.5               |      | <5 |  |  |
| 73.0           |      |                       |               |                       |           |     |         | @ 65.6, 1cm qz. Fe/Mg carb vs @ 70° to cov.                                                                                      |                             |                     |      |     |      |      | 73.0               |      |    |  |  |
| 74.0           |      |                       |               |                       |           |     |         | contact @ 66.0 m based on first appearance of irreg patches Fe carb abt.                                                         |                             |                     |      |     |      |      | 74.0               |      |    |  |  |
| 75.0           |      |                       |               | MASSIVE               |           | 15  |         | 66.0-69.5 M PARTIALLY ALTERED (SER, Fe CARB) MAFIC VOLCANIC                                                                      | WK Fe CARB ALT              | TR.                 | -    | -   | -    | -    | 69.5               |      | <5 |  |  |
| 76.0           |      |                       |               |                       |           |     |         | transitional zone between overlying altered and underlying intensely abt units.                                                  |                             |                     |      |     |      |      | 76.0               |      |    |  |  |
| 77.0           |      |                       |               | MASSIVE               |           | 3   |         | pred. fq basalts, & irreg 5mm-1cm patches of Fe carb abt from 10% @ 66.0, to 100% by 69.5 m.                                     | STRONG Fe CARB ALT          | TR.                 | -    | -   | -    | -    | 76.0               |      | <5 |  |  |
| 78.0           |      |                       |               |                       |           |     |         | v. strongly fractured, preferred or Q 45° to cov II v. crude fol, & pred chl, some Fe/Mg carb free fill.                         |                             |                     |      |     |      |      | 78.0               |      |    |  |  |
| 79.0           |      |                       |               | MASSIVE               |           | 15  |         | 5% (increases downhole) diss 1-3mm pink to white to yellow lcs blebs.                                                            | STRONG Fe CARB ALT          | TR.                 | -    | -   | -    | -    | 78.5               |      | <5 |  |  |
| 80.0           |      |                       |               |                       |           |     |         | 5% thin (to 2cm) qz. Fe/Mg carb vs @ all orientations.                                                                           |                             |                     |      |     |      |      | 79.0               |      |    |  |  |
| 81.0           |      |                       |               | MASSIVE               |           | 15  |         | only trace diss Py.                                                                                                              | STRONG Fe CARB MOD SER ALT. | TR.                 | -    | -   | -    | -    | 79.5               |      | <5 |  |  |
| 82.0           |      |                       |               |                       |           |     |         | @ 66.7, 1cm qz-carb vs @ 40° cov & tr Py.                                                                                        |                             |                     |      |     |      |      | 80.0               |      |    |  |  |
| 83.0           |      |                       |               | MASSIVE               |           | 15  |         | @ 67.8, 1cm magnetite vs @ 80° cov.                                                                                              | STRONG Fe CARB MOD SER ALT. | TR.                 | -    | -   | -    | -    | 80.5               |      | <5 |  |  |
| 84.0           |      |                       |               |                       |           |     |         | @ 68.3, 2cm mag/dol vs @ 80° to cov.                                                                                             |                             |                     |      |     |      |      | 81.0               |      |    |  |  |

**PROJECT** Tony

HOLE DESIGNATION T-91-04

LOGGED BY DUNCAN MCIVOR

SCALE 1:100

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PROJECT TULLYHOLE DESIGNATION T-91-04LOGGED BY DUNCAN MCIVOR SCALE 1:100PAGE 6 OF 10

| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | ROD | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ALTERATION AND VENING                 | MINERAL PERCENTAGES |    |     |      |       | ASSAY GEOCHEMISTRY |          |          | LAB |  |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------|----|-----|------|-------|--------------------|----------|----------|-----|--|
| FROM           | TO    |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       | Py                  | Po | Cpy | AsPy | OTH.  | Au (ppb)           | Ag (ppm) | As (ppm) |     |  |
| 85.0           | 86.0  | 3.0                   | 100%          | MASSIVE               |           | 8   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | STRONG<br>FE CARB.<br>MOD SER<br>ALT. | 1%                  | -  | TR. | -    | -     | 2438               | 48       |          |     |  |
| 86.0           | 87.0  | 3.0                   | 100%          |                       |           | 10  |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       | 1%                  | -  | TR. | -    | -     | 2439               | 25       |          |     |  |
| 87.0           | 88.0  | 3.0                   | 100%          |                       |           |     |         | 89.2 - 91.0 M MINERALIZED, INTENSELY FE CARB ALT,<br>BRECCIATED / FRAGMENTAL MAFIC VOLC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                       | 1%                  | -  | TR. | -    | -     | 2440               | 7        |          |     |  |
| 88.0           | 89.0  | 3.0                   | 100%          |                       |           |     |         | • strongly fol. @ 20° to cov. pred. beige to grey. x 1g;<br>• intensely Fe carb alt mafic volc (?), brecciated into 1-3cm<br>fragments elongated & fol by red black, v. hard siliceous-<br>graphic seams/bands to 3-5 cm. av. c. 1cm. & 70%<br>fracs, 30% "matrix". may be coarse volcanoclastic.<br>• strongly fractured, 2 prominent sets @ 0-20° to cov.<br>5-10° to cov. 2 py, carb, chl, graph fracs.<br>• average sulphide content: 5% py as cubic blebs in "matrix"<br>& along fractures.<br>• from 89.2-89.6, 5% blood red hematite frac fill.<br>• @ 89.6, 10 cm semi-mass (50%) py-silica band/vn @<br>50° cov.<br>• contact @ 91.0 m marked by 10 cm mud/clay-fault<br>gouge seam. |                                       | 1%                  | -  | TR. | -    | -     | -                  | 2441     | 8        |     |  |
| 89.0           | 90.0  | 3.0                   | 100%          |                       |           | 30  |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       | 5%                  | -  | -   | -    | 326   | 2442               | 1954     | 1.159    |     |  |
| 90.0           | 91.0  | 3.0                   | 100%          |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       | 5%                  | -  | -   | -    | 89.7  | 2443               | 78       |          |     |  |
| 91.0           | 92.0  | 3.0                   | 100%          |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       | 5%                  | -  | -   | -    | 90.4  | 2444               | 30       |          |     |  |
| 92.0           | 93.0  | 3.0                   | 100%          |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       | 5%                  | -  | -   | -    | 91.0  | 2444               | 134      |          |     |  |
| 93.0           | 94.0  | 3.0                   | 100%          |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       | 5%                  | -  | -   | -    | 91.7  | 2445               | 31       |          |     |  |
| 94.0           | 95.0  | 3.0                   | 100%          |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       | 5%                  | -  | TR. | TR.  | 92.0  | 2446               | 32       |          |     |  |
| 95.0           | 96.0  | 3.0                   | 100%          |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       | 5%                  | -  | TR. | TR.  | 93.0  | 2447               | 33       |          |     |  |
| 96.0           | 97.0  | 3.0                   | 100%          |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       | 5%                  | -  | TR. | TR.  | 94.0  | 2448               | 34       |          |     |  |
| 97.0           | 98.0  | 3.0                   | 100%          |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       | 5%                  | -  | TR. | TR.  | 95.2  | 2449               | 35       |          |     |  |
| 98.0           | 99.0  | 3.0                   | 100%          |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       | 5%                  | -  | TR. | TR.  | 95.7  | 2450               | 36       |          |     |  |
| 99.0           | 100.0 | 3.0                   | 100%          |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       | 5%                  | -  | TR. | TR.  | 96.2  | 2451               | 37       |          |     |  |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       | 5%                  | -  | TR. | TR.  | 96.7  | 2452               | 38       |          |     |  |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       | 5%                  | -  | TR. | TR.  | 97.2  | 2453               | 39       |          |     |  |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       | 5%                  | -  | TR. | TR.  | 97.8  | 2454               | 40       |          |     |  |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       | 5%                  | -  | TR. | TR.  | 99.0  | 2455               | 41       |          |     |  |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       | 5%                  | -  | TR. | TR.  | 100.0 | 2456               | 373      |          |     |  |

PROJECT TULLY HOLE DESIGNATION T-91-04 LOGGED BY DUNCAN McIVOR SCALE 1:100 PAGE 6A OF 10

PROJECT Tony

### HOLE DESIGNATION

T-91-04

LOGGED BY DUNCAN MCIVOR

SCALE 1:100

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD    | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ALTERATION and VENING                       | MINERAL PERCENTAGES |     |       |      |       | ASSAY GEOCHEMISTRY | LAB           |      |     |  |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|--------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------|-----|-------|------|-------|--------------------|---------------|------|-----|--|
| FROM           | TO    |                       |               |                       |           |        |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                             | Py                  | Po  | Cpy   | AsPy | Other | DEPTH              | SAMPLE NUMBER |      |     |  |
| 98.0           | 101.0 | 3.0                   | 100%          | /                     | /         | 7      |         | 99.0 - 106.0M MINERALIZED, INTENSELY CARBONATED SERICITE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | INTENSE SER-Fe CARB ALT, PATCHY SILIC.      | 3%                  | TR. | 0.5%  |      | 100.7 | 2458               | 42            |      |     |  |
|                |       |                       |               |                       |           | 5      |         | MAFIC VOLCANIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                             | 5%                  |     | 5%    |      |       | 101.1              | 2457          | 43   | 199 |  |
| 101.0          | 104.0 | 3.0                   | 100%          | /                     | /         | 20     |         | - Ig, massive to crudely foliated to 50° to east, beige to light grayish green, intensely bleached, sericite + carbonate (& local patchy silicification) altered mafic rock.<br>- 10% disse 1-3 mm pink to white k-fels.<br>- intensely fractured, to brecciated by fractures, @ all orientations, c pyrd. qz, Fe/Mg carb, ser, Py frac fill f graph locally from 103.0-105.8.<br>- fractures have thin more intensely altered halos, & are usually sulphide rich halos.<br>- < 5% thin (to 1cm) qz-Fe/Mg carb vns @ all or, also stronger alt & sulphide rich halos.<br>- average sulphide content: 3% Py, 0.5% AsPy, both as 1-2 mm disse, throughout rock & higher concentrations proximal to veins & veins: 1. Cpy ass & qz veins.<br>- from 100.7-101.1, 40 cm zone w/ 30% qz vns to 2cm @ 45° to east, & 5% Py, 5% AsPy as halos on veins.<br>- from 102.0-102.1, 2 cm qz vns @ 35° east & 4% Py, 1% AsPy / 10 cm as halo on vein.<br>- from 103.0, becomes darker gray, more strongly fractured to brecciated by thin chl & minor graphite seams, Py to 5%, & only trace AsPy, Cpy.<br>- @ 103.3, 1cm qz vns @ 40° to east.<br>- from 105.1-105.3, 3cm qz vns @ 20° to east.<br>- from 105.7-106.0, 50% qz vns + breccia frags @ 0-20°, & locally 5% Py, 1% AsPy.<br>- rubble contact & underlying graphitic schist. |                                             | 3%                  | TR. | 0.5%  |      |       |                    | 102.0         | 2458 | 44  |  |
| 104.0          | 107.0 | 3.0                   | 100%          | 75° FAULT             | /         | 750    |         | 106.0 - 106.3M GRAPHITIC SCHIST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | QUARTZ VEIN.                                | 5%                  | TR. | TR.   |      |       | 103.0              | 2459          | 45   |     |  |
|                |       |                       |               |                       |           | RUBBLE |         | - predominantly rubble, pyrd - where observable, thinly bed @ 75° east, soft graphite, > 20% 5mm-1cm qz vns w/ fol. 5% Py as 1-2 mm disse min & occ nodules to 3 mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                             | 1%                  |     |       |      | 104.0 | 2460               | 46            |      |     |  |
| 107.0          | 110.0 | 3.0                   | 100%          | 65-70° FAULT          | /         | 15     |         | 106.3 - 108.4M QUARTZ-GRAPHITE "BRECCIA"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                             | 2%                  |     |       |      | 105.0 | 2461               | 47            |      |     |  |
|                |       |                       |               |                       |           | 60°    |         | - appears to be a major qz vns intensely brecciated by graphite seams, massive, comp & 70% qz vns material, 30% graphite, as irreg seams & blobs to 1-2 cm, no apparent foliation<br>- from 106.3-107.5, locally 10% graphite blobs & seams, c ass. 10% Py<br>- from 107.5-108.4, locally 40% graph. blobs & seams, c 2% ass. Py.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SE SER ALT OF SLIST INTRBEDS.               | 5%                  | TR. | TRACE |      |       |                    | 105.7         | 2462 | 48  |  |
| 110.0          | 113.0 | 3.0                   | 100%          | 50°                   | /         | 6      |         | 108.4 - 109.8M GRAPHITIC ARGILLITE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | INTENSE Fe-CARB-SERICITE ALT, PATCHY SILIC. | 5%                  | TR. | TR.   |      |       | 106.3              | 2463          | 49   |     |  |
|                |       |                       |               |                       |           |        |         | - thick bd. @ pred. 65°-70° to east (ranges 60-80°), jet black, v. graphitic (70%) argillite, c 5-10 thin, 1-2mm silt-clay bands 11 fol., 5% carbonated to brecciated qz carb vns 11 fol., 5% Py as off. nodules blobs to 5mm, thin semi-massive bands 11 fol., & vng disse min.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                             | 56                  |     |       |      | 107.0 | 2464               | 50            |      |     |  |
| 113.0          | 116.0 | 3.0                   | 100%          | /                     |           |        |         | 109.8 - 111.0M GRAPHITIC ARGILLITE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | INTENSE Fe-CARB-SERICITE ALT OF FRAC.       | 0.5%                |     |       |      |       | 108.0              | 2470          | 51   |     |  |
|                |       |                       |               |                       |           |        |         | - thick bd. @ pred. 65°-70° to east (ranges 60-80°), jet black, v. graphitic (70%) argillite, c 5-10 thin, 1-2mm silt-clay bands 11 fol., 5% carbonated to brecciated qz carb vns 11 fol., 5% Py as off. nodules blobs to 5mm, thin semi-massive bands 11 fol., & vng disse min.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                             | 5%                  | TR. |       |      | 109.1 | 2467               | 52            |      |     |  |
|                |       |                       |               |                       |           |        |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FAUCES.                                     | 0.5%                |     |       |      |       | 109.3              | 2468          | 53   |     |  |
|                |       |                       |               |                       |           |        |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                             | 0.5%                |     |       |      |       | 109.8              | 2469          | 54   |     |  |
|                |       |                       |               |                       |           |        |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                             | 0.5%                |     |       |      |       | 110.0              | 2471          | 55   |     |  |
|                |       |                       |               |                       |           |        |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                             | 0.5%                |     |       |      |       | 111.0              | 2472          | 56   |     |  |
|                |       |                       |               |                       |           |        |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                             | 0.5%                |     |       |      |       | 112.0              | 2473          | 57   |     |  |
|                |       |                       |               |                       |           |        |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                             | 0.5%                |     |       |      |       | 113.0              | 2474          | 58   |     |  |
|                |       |                       |               |                       |           |        |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                             | 0.5%                |     |       |      |       | 114.0              | 2475          | 59   |     |  |
|                |       |                       |               |                       |           |        |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                             | 0.5%                |     |       |      |       | 115.0              | 2476          | 60   |     |  |
|                |       |                       |               |                       |           |        |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                             | 0.5%                |     |       |      |       | 116.0              | 2477          | 61   |     |  |
|                |       |                       |               |                       |           |        |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                             | 0.5%                |     |       |      |       | 117.0              | 2478          | 62   |     |  |

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | ROD | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                         | ALTERATION and VENING              | MINERAL PERCENTAGES |    |     |     |       | ASSAY GEOCHEMISTRY |    |  | LAB |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------|----|-----|-----|-------|--------------------|----|--|-----|
| FROM           | TO    |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                 |                                    | Py                  | Po | Cpy | AsP | Other | Au (ppm)           |    |  |     |
| 115.0          | 113.0 | 116.0                 | 3.0           | 100%                  |           | 6   |         | 108.4-109.8 M CONTINUED.                                                                                                                                                                                                                                                                        | INTENSE SER. Fe CARB ALT OF FRACS. |                     |    |     |     |       | 61                 |    |  |     |
| 116.0          |       |                       |               |                       |           |     |         | - contains slav thin. coarse siltstone-wacke type interbeds.                                                                                                                                                                                                                                    |                                    |                     |    |     |     |       | 2475               | 7  |  |     |
| 117.0          | 116.0 | 119.0                 | 3.0           | 100%                  |           | 8   |         | - from 108.4-108.8, graph. org. as above.                                                                                                                                                                                                                                                       |                                    |                     |    |     |     |       | 62                 |    |  |     |
| 118.0          |       |                       |               |                       |           |     |         | - from 108.8-109.1, rubble, graphitic mud (host).                                                                                                                                                                                                                                               |                                    |                     |    |     |     |       | 2476               | 15 |  |     |
| 119.0          | 119.0 | 122.0                 | 3.0           | 100%                  |           | 5   |         | - from 109.1-109.3, 20 cm interbed or thinly banded & strongly fol (20° to cov) bright green ser. Fe carb-pel rock, 2-15% fuchsite as thin seams // fol, 20% py vs to 1cm // fol, 5% py, tr. Aspy as diss. min & thin mm seams // fol.                                                          |                                    | 0.5%                |    |     |     |       | 116.0              |    |  |     |
| 120.0          |       |                       |               |                       |           | 4   |         | - from 109.3-109.8, graph. org. as above, locally 20% thin siltstone-wacke interbeds.                                                                                                                                                                                                           |                                    |                     |    |     |     |       | 63                 |    |  |     |
| 121.0          | 122.0 | 125.0                 | 3.0           | 100%                  |           | 8   |         | 109.8-112.0 M FUCHSITIC, INTENSELY SER*, CARB* VOLCANIC FRAGMENTAL/BRECCIA.                                                                                                                                                                                                                     |                                    | 1%                  |    |     |     |       | 2477               | 14 |  |     |
| 122.0          |       |                       |               |                       |           |     |         | - strongly foliated, @ en. orientation 60° to cov, ranges 50°-70° cov.                                                                                                                                                                                                                          |                                    |                     |    |     |     |       | 64                 |    |  |     |
| 123.0          | 122.0 | 125.0                 | 3.0           | 100%                  |           |     |         | - rock predominantly thinly banded, intensely ser. Fe carb altered (maf. rock probolith?) as thin alternating bands, both c 5% diss. fuchsite blebs & thin seams // fol.                                                                                                                        |                                    |                     |    |     |     |       | 2478               | 17 |  |     |
| 124.0          |       |                       |               |                       |           |     |         | - in places exhibits a fragmental pat, i elongate // fol frags from 5mm-2cm of similar material, occasional qz vs frags, occasional intensely silicified frags. may be breccia or true volcanoclasts.                                                                                           |                                    |                     |    |     |     |       | 65                 |    |  |     |
| 125.0          | 125.0 | 128.0                 | 3.0           | 100%                  |           |     |         | - v. strongly fractured, pred. 45° sub // fol but at all orientations, c Fe/Mg carb, chl. ser. qz. fuch. Py frac. ill.                                                                                                                                                                          |                                    | 0.5%                |    |     |     |       | 2479               | 15 |  |     |
| 126.0          |       |                       |               |                       |           |     |         | - strongly veined, 15% 5mm-3cm qz. Fe/Mg carbns @ all orientations.                                                                                                                                                                                                                             |                                    |                     |    |     |     |       | 66                 |    |  |     |
| 127.0          | 125.0 | 128.0                 | 3.0           | 100%                  |           |     |         | - average sulphide content: 5% Py, as wavy diss. min. throughout unit, i coarser blebs acc. of halogen qz veins, trace Aspy as occasional diss. blebs, tr. (Py, sph, ass) qz veins.                                                                                                             |                                    |                     |    |     |     |       | 2480               | <5 |  |     |
| 128.0          |       |                       |               |                       |           |     |         | - from 111.4-111.6, 40% qz-carb vs to 2cm, surrounding host is strongly silicified, c 5% Py, 1% sphalerite                                                                                                                                                                                      |                                    |                     |    |     |     |       | 67                 |    |  |     |
| 129.0          | 128.0 | 131.0                 | 3.0           | 100%                  |           |     |         | - compact based on more clearly fragmental host in underlying unit.                                                                                                                                                                                                                             |                                    |                     |    |     |     |       | 2481               | 15 |  |     |
| 130.0          |       |                       |               |                       |           |     |         | 112.0-141.7 M INTENSELY ALTERED (SER.FE CARB) COARSE VOLCANOCLASTIC/FRAGMENTAL                                                                                                                                                                                                                  | INTENSE SER.FE CARB ALT OF FRACS.  | 0.5%                |    |     |     |       | 68                 |    |  |     |
|                |       |                       |               |                       |           |     |         | - highly variable appearance and composition, but pred;                                                                                                                                                                                                                                         |                                    |                     |    |     |     |       | 2482               | 19 |  |     |
|                |       |                       |               |                       |           |     |         | - angular to sub rounded frags, from 2-1cm to 20-30cm, of vsg, biogr, soft, intensely ser. Fe carb alt rock (probolith probably mafic volc. though v. granular in places - could be "silicate" type epicitized) to av. 70% of rock, though varies from 50%, to massive (100%) zones to 20-30cm. |                                    |                     |    |     |     | 69    |                    |    |  |     |
|                |       |                       |               |                       |           |     |         | - 30% "matrix" seams of both light grayish green ser. sil. carb "veins" (chalcocite matrix) & black chl-graphitic-siliceous bands, crudely or. @ av. 50° to cov, though locally variable                                                                                                        |                                    |                     |    |     |     | 2483  | <5                 |    |  |     |
|                |       |                       |               |                       |           |     |         | - entire unit is intensely fractured, to "shattered" appearing, @ all or. c Fe/Mg carb, calc. qz. ser. chl. Py black hill.                                                                                                                                                                      |                                    |                     |    |     |     |       | 70                 |    |  |     |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                 |                                    |                     |    |     |     |       | 2484               | <5 |  |     |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                 |                                    |                     |    |     |     |       | 71                 |    |  |     |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                 |                                    |                     |    |     |     |       | 2485               | 15 |  |     |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                 |                                    |                     |    |     |     |       | 72                 |    |  |     |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                 |                                    |                     |    |     |     |       | 2486               | 7  |  |     |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                 |                                    |                     |    |     |     |       | 73                 |    |  |     |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                 |                                    |                     |    |     |     |       | 2487               | 7  |  |     |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                 |                                    |                     |    |     |     |       | 74                 |    |  |     |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                 |                                    |                     |    |     |     |       | 2488               | <5 |  |     |

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NOTE:

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH |               | CORE RECOVERY         |           | FOLIATION OR CLEAVAGE |         | STRUCTURE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    | RQD |      | GRAPHIC |          | ROCK TYPE (DESCRIPTION) |          | ALTERATION and VENING | MINERAL PERCENTAGES |  |  |                                   |      | ASSAY GEOCHEMISTRY |     |            | LAB |      |    |  |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----|------|---------|----------|-------------------------|----------|-----------------------|---------------------|--|--|-----------------------------------|------|--------------------|-----|------------|-----|------|----|--|
| FROM           | TO    | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD                   | GRAPHIC | Py                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Po | Cpy | AsPy | OTH     | Au (ppb) | Ag (ppb)                | As (ppm) | Ag (ppm)              |                     |  |  |                                   |      |                    |     |            |     |      |    |  |
| 128.0          | 131.0 | 3.0                   | 100%          | 58°                   |           | 8                     |         | 112.0 - 141.7 M CONTINUED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |     |      |         |          |                         |          |                       |                     |  |  | 131.0                             | 2488 | 14                 | <5  |            |     |      |    |  |
| 131.0          | 134.0 | 3.0                   | 100%          |                       |           | 8                     |         | - numerous fuchsite zones, pred as min. in matrix, occasional 1-2 cm thick bearing frags, av. 1-2% of unit.<br>- 5% secondary qtz. Fe/Mg carb veins @ all orientations, usually strongly brecciated.<br>- average sulphide content: only 0.5% Py, pred. as frac. fill, 1 mm. associated w/ qz veins.<br>- from 112.0-113.0, locally 10% fuchsite as thin seams ass. w/ breccia matrix.<br>- from 112.8-113.0, locally 50% 1-3 cm qtz. Fe/Mg carb-fuchsite veins & locally 2% Py @ margins.<br>- @ 114.6, 3 cm Fe/Mg carb vein @ 0° to cov.<br>- from 118.0-119.0, locally 1% Py, tr. Cpy ass. w/ qz veins.<br>- from 119.0-119.8, locally matrix is fuchsite (5%) bearing.<br>- @ 122.1, 2 cm qtz-Fe/Mg carb vein @ 60° to cov.<br>- @ 125.4-126.2, 2 cm graphitic band @ 0° to cov.<br>- from 125.0 M, frags become v. granular appearing, "silicate" appearing, & matrix becomes pred. siliceous-graphitic chloritic seams.<br>- @ 129.1, 2 cm Py "frag".<br>- from 131.0-132.0, matrix is wldy (3%) fuchsitic.<br>- @ 133.3, 5 cm qtz-carb vrn @ 30° to cov.<br>- from 141.0-141.7, 2 cm qtz-Fe/Mg carb vrn @ 0° to cov, & locally 2% diss. Py. |    |     |      |         |          |                         |          |                       |                     |  |  | INTENSE SEQ-FE CARB ALT OF FRAGS. | 0.5% |                    |     | 1-2% Fe/Mg | 75  | 2489 | <5 |  |
| 134.0          | 137.0 | 3.0                   | 100%          |                       |           | 10                    |         | 132.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |     |      |         |          |                         |          |                       |                     |  |  | 134.0                             | 2490 | 76                 | <5  |            |     |      |    |  |
| 137.0          | 140.0 | 3.0                   | 100%          |                       |           | 6                     |         | 135.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |     |      |         |          |                         |          |                       |                     |  |  | 135.5                             | 2491 | 77                 | <5  |            |     |      |    |  |
| 140.0          | 143.0 | 3.0                   | 100%          |                       |           | 10                    |         | 137.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |     |      |         |          |                         |          |                       |                     |  |  | 137.0                             | 2492 | 78                 | <5  |            |     |      |    |  |
| 143.0          | 146.0 | 3.0                   | 100%          | 70-80°                |           |                       |         | 138.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |     |      |         |          |                         |          |                       |                     |  |  | 138.5                             | 2493 | 79                 | <5  |            |     |      |    |  |
| 146.0          |       |                       |               | 60°                   | CNTC 55°  | 6                     |         | 140.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |     |      |         |          |                         |          |                       |                     |  |  | 140.0                             | 2494 | 80                 | <5  |            |     |      |    |  |
|                |       |                       |               |                       |           |                       |         | 141.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |     |      |         |          |                         |          |                       |                     |  |  | 141.0                             | 2495 | 81                 | <5  |            |     |      |    |  |
|                |       |                       |               |                       |           |                       |         | 141.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |     |      |         |          |                         |          |                       |                     |  |  | 141.7                             | 2496 | 82                 | 6   |            |     |      |    |  |
|                |       |                       |               |                       |           |                       |         | 142.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |     |      |         |          |                         |          |                       |                     |  |  | 142.6                             | 2497 | 83                 | 174 |            |     |      |    |  |
|                |       |                       |               |                       |           |                       |         | 143.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |     |      |         |          |                         |          |                       |                     |  |  | 143.4                             | 2498 | 84                 | 40  |            |     |      |    |  |
|                |       |                       |               |                       |           |                       |         | 144.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |     |      |         |          |                         |          |                       |                     |  |  | 144.1                             | 2499 | 85                 | 309 |            |     |      |    |  |
|                |       |                       |               |                       |           |                       |         | 146.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |     |      |         |          |                         |          |                       |                     |  |  | 146.0                             | 2500 | 86                 | 63  |            |     |      |    |  |

PROJECT TULLY HOLE DESIGNATION T-91-04 LOGGED BY DUNCAN MCIVOR SCALE 1:100 PAGE 10 OF 10

| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ALTERATION and VENNING          | MINERAL PERCENTAGES |                   |                 |                 |                 | ASSAY GEOCHEMISTRY |                    |      | LAB |  |  |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------|-------------------|-----------------|-----------------|-----------------|--------------------|--------------------|------|-----|--|--|
| FROM           | TO    |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 | P <sub>Py</sub>     | P <sub>AsPy</sub> | C <sub>Py</sub> | A <sub>Py</sub> | O <sub>TH</sub> | Ag (ppm)           |                    |      |     |  |  |
| 143.0          | 146.0 | 3.0                   | 100%          | 60°                   |           | 6   |         | 144.1-158.0 M. strongly sericite Fe carb alt rock<br>(MAF volc? tuff? sed?)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | STRONG SER.<br>MOD Fe CARB ALT. | 2%                  | -                 | .               | TR.             | .               | 145.5              | 2500 <sup>86</sup> | 63   |     |  |  |
| 146.0          | 149.0 | 3.0                   | 100%          |                       |           | 6   |         | vlg. but v. "granular" appearing, beige to light green, strongly sericitized, mod to strongly Fe carb alt rk, (sed? volc?), v. crudely fol @ 60° to carb.<br>v. strongly fractured @ all orientations, ± pred. qtz, some Fe/Mg carb, Py, chl, graph frac fill. traces brecciate rock in places.<br>5% thin (to 1cm) qtz minor Fe/Mg carb veins @ all or., & ass 1-2% Py.<br>average sulphide content: 2% Py. as min. associated ± qtz veins, qtz-calc filled fractures, & as vlg diss min, qtz tr. AsPy, pred. as diss min. proximal qtz veins.<br>from 149.1-149.4, vlg. dk grey, vlgly carbonaceous zone/inferred.<br>@ 150.6, 2 cm Fe/Mg carb minor qtz vn @ 0° to carb & 5 mm semi-mass Py bands @ margins.<br>from 152.0-152.9, strongly brecciated by thin graph seams, locally 20% thin qtz veins @ 0° to carb.<br>from 154.0-155.0, 20% qtz carb vns to 1 cm @ all orientations, locally ± 3% Py, 1% AsPy as vlg diss min. in adjacent wall rock.<br>@ 155.6, 3 cm qtz minor Fe/Mg carb vn @ 40° to carb & minor Py, dkly @ margins.<br>@ 156.7, 156.9, 2 cm qtz vns II fol & 1% AsPy in vns along vn margins.<br>from 154.0-157.0, locally 2% Py. & av. 0.5% AsPy<br>NB - AsPy very fine, did not note when stopping hole.<br>option to deeper & casing in if assays warrant. | TR.                             |                     |                   |                 |                 |                 |                    | 147.0              | 3714 | 24  |  |  |
| 149.0          | 152.0 | 3.0                   | 100%          |                       |           | 5   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                     |                   |                 |                 |                 | 148.5              | 3715               | 39   |     |  |  |
| 152.0          | 155.0 | 3.0                   | 100%          |                       |           | 10  |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                     |                   |                 |                 |                 | 150.0              | 3716               | 221  |     |  |  |
| 152.0          | 155.0 | 3.0                   | 100%          |                       |           | 10  |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                     |                   |                 |                 |                 | 151.0              | 3717               | 131  |     |  |  |
| 155.0          | 158.0 | 3.0                   | 100%          |                       |           |     |         | HOLE ENDS @ 158.0 M.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | STRONG SER.<br>MOD Fe CARB ALT. | 2%                  |                   |                 | 0.5%            |                 | 152.0              | 3718               | 393  |     |  |  |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                     |                   |                 |                 |                 | 153.0              | 3719               | 184  |     |  |  |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                     |                   |                 |                 |                 | 154.0              | 3720               | 145  |     |  |  |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                     |                   |                 |                 |                 | 155.0              | 3721               | 455  |     |  |  |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                     |                   |                 |                 |                 | 156.0              | 3722               | 124  |     |  |  |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                     |                   |                 |                 |                 | 157.0              | 3723               | 142  |     |  |  |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                     |                   |                 |                 |                 | 158.0              | 3724               | 107  |     |  |  |

Duncan McIvor  
FEBRUARY 24, 1991.



# HOMESTAKE MINERAL DEVELOPMENT CO.

## **DIAMOND DRILL LOG**

Page 1 of 6

PROJECT TULLY ELEVATION -8  
HOLE DESIGNATION T-91-04(E) AZIMUTH 180°  
NTS 42A/14 DIP -50°  
CLAIM \_\_\_\_\_ LENGTH OF HOLE 158.0 - 227.0  
EASTING L 8+00E (IMPERIAL GRID) CORE DIAMETER NQ.  
NORTHING 11to N

CONTRACTOR NOREX  
DATE STARTED MARCH 22, 1991  
DATE FINISHED MARCH 25, 1991  
LOGGED BY DUNCAN MCIVOR  
DATE MARCH, 1991  
SCALE 1:100

| <u>TEST DEPTH</u> | <u>IMPERIAL GRID</u> |  |  |
|-------------------|----------------------|--|--|
| 227.4             |                      |  |  |
| 180°              |                      |  |  |
| 48°               |                      |  |  |

PROJECT Toucan

HOLE DESIGNATION T-91-04 E

LOGGED BY DUNCAN MCIVOR

SCALE 1:100

1:100

PAGE 2 OF 6

**PROJECT** TULLY

HOLE DESIGNATION T-91-04 E

LOGGED BY Duncan McIvor

SCALE —

1:100

PAGE 2A OF 6

**PROJECT** TULLY

HOLE DESIGNATION T-91-04E

LOGGED BY DUNCAN MCIVOR

SCALE 1:100

PAGE 3 OF 6

PROJECT Tulip

HOLE DESIGNATION T-91-04E

LOGGED BY DUNCAN MCIVOR

SCALE 1:100

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ALTERATION and VENNING                                                | MINERAL PERCENTAGES |    |     |      |   | ASSAY GEOCHEMISTRY |          |       | LAB |  |  |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------|----|-----|------|---|--------------------|----------|-------|-----|--|--|
| FROM           | TO    |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                       | Py                  | Po | Cpy | AsPy | - | OTH.               | Au (ppb) |       |     |  |  |
| 185.0          | 188.0 | 3.0                   | 100%          |                       | MASSIVE   |     | 9       | 185.2-187.0M SERPENTINIZED ULTRAMAFIC (Kom. FLOW)<br>- dk green to black, vlg. massive, mod to strongly serp <sup>n</sup> , wky talc alt. vnl. - non-magnetic, strongly fractured @ all or. Z=1 talc, magnesite frac fill. Tr. Py ass & occ. talc-magnesite filled frac.                                                                                                                                                                                                                                                                                                      | MOD TO STRONGLY SERP <sup>n</sup> , WKY TALC ALT.                     | TR.                 | -  | -   | -    | - | -                  | -        |       |     |  |  |
| 187.0          | 188.0 | 3.0                   | 100%          | 75-85°                |           |     |         | 187.0-207.2M TALC ALTERED, VARIABLELY BRECCIATED ULTRAMAFIC (Kom FLOW).<br>moderately but intermittently sh. sch. @ av. or. 75-85° to cat.<br>- vlg. bright light green to dk blueish green, v. soft, strongly talc alt., wky serp <sup>n</sup> vnl.<br>- intensely fractured @ all or. (one prominent set // fol), Z talc, magnesite frac fill.<br>- 15% secondary < 5mm to 5 cm talc-magnesite veins pred. // fol.<br>- only trace Py<br>- strongly brecciated in places, by talc-mag vns. & auto-brecc appearing.<br>- from 201.8-202.6, 20 cm coarse spinifer hit'd zone. | STRONGLY TALC ALT., WKY SERP <sup>n</sup> , 15% TALC-MAGNESITE VEINS. | TR.                 | -  | -   | -    | - | -                  | -        | 189.0 | 16. |  |  |
| 188.0          | 191.0 | 3.0                   | 100%          |                       |           | 8   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                       |                     |    |     |      |   |                    | 190.0    | 743   | <5  |  |  |
| 191.0          | 194.0 | 3.0                   | 100%          |                       |           | 7   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                       |                     |    |     |      |   |                    | 192.0    |       |     |  |  |
| 194.0          | 197.0 | 3.0                   | 100%          |                       |           | 7   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                       |                     |    |     |      |   |                    | 193.0    |       |     |  |  |
| 197.0          | 200.0 | 3.0                   | 100%          |                       |           | 5   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                       |                     |    |     |      |   |                    | 194.0    |       |     |  |  |
| 198.0          |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                       |                     |    |     |      |   |                    | 195.0    |       |     |  |  |
| 199.0          |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                       |                     |    |     |      |   |                    | 196.0    |       |     |  |  |
| 200.0          |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                       |                     |    |     |      |   |                    | 197.0    |       |     |  |  |

PROJECT Tony

HOLE DESIGNATION T-91-04E

LOGGED BY DUNCAN MCIVOR

SCALE 1:100

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PROJECT Tully HOLE DESIGNATION T-91-04E LOGGED BY DUNCAN MCIVOR SCALE 1:100 PAGE 6 OF 6



HOMESTAKE MINERAL DEVELOPMENT CO.

## DIAMOND DRILL LOG

Page 1 of 9

PROJECT Tully ELEVATION -e  
 HOLE DESIGNATION T-91-05 AZIMUTH 180°  
 NTS 42A/14 DIP -50°  
 CLAIM \_\_\_\_\_ LENGTH OF HOLE 143.0M  
 EASTING L12+00 E (IMPERIAL GRID) CORE DIAMETER NQ  
 NORTHING 10+00 N

CONTRACTOR NOREX  
 DATE STARTED FEBRUARY 21, 91  
 DATE FINISHED FEBRUARY 24, 91  
 LOGGED BY DUNCAN MCIVOR  
 DATE FEBRUARY 1991  
 SCALE 1:100

BASELINE \_\_\_\_\_  
 TEST DEPTH  
 AZIMUTH  
 DIP

|      |      |      |      |
|------|------|------|------|
| 0    | 36M  | 73M  | 143M |
| 180° | 180° | 180° | 180° |
| -50° | -48° | -48° | -49° |

| DRILL INTERVAL<br>PROBING LENGTH | RECOVERED CORE LENGTH | CORE RECOVERY | RQD | STRUCTURE | GRAPHIC | ROCK TYPE<br>(DESCRIPTION) | ALTERATION AND VEINING | MINERAL PERCENTAGES                                                       |                                |     | DEPTH | WIDTH | SAMPLE NUMBER | ASSAY GEOCHEMISTRY |                  |  |  |
|----------------------------------|-----------------------|---------------|-----|-----------|---------|----------------------------|------------------------|---------------------------------------------------------------------------|--------------------------------|-----|-------|-------|---------------|--------------------|------------------|--|--|
|                                  |                       |               |     |           |         |                            |                        | SiO <sub>2</sub>                                                          | Al <sub>2</sub> O <sub>3</sub> | MgO |       |       |               | Na <sub>2</sub> O  | K <sub>2</sub> O |  |  |
|                                  |                       |               |     |           |         | HOLE SUMMARY               |                        |                                                                           |                                |     |       |       |               |                    |                  |  |  |
|                                  |                       |               |     |           |         | 0- 29.3 M                  |                        | OVERBURDEN                                                                |                                |     |       |       |               |                    |                  |  |  |
|                                  |                       |               |     |           |         | 29.3-38.1                  |                        | FG YLLINE BASALT                                                          |                                |     |       |       |               |                    |                  |  |  |
|                                  |                       |               |     |           |         | 38.1-47.2                  |                        | PORPHYRIC, FG YLLINE BASALT                                               |                                |     |       |       |               |                    |                  |  |  |
|                                  |                       |               |     |           |         | 47.2-47.7                  |                        | GRAPHITIC, SILICEOUS METASEDIMENT                                         |                                |     |       |       |               |                    |                  |  |  |
|                                  |                       |               |     |           |         | 47.7-51.5                  |                        | SILICEOUS GRAYWACKE                                                       |                                |     |       |       |               |                    |                  |  |  |
|                                  |                       |               |     |           |         | 51.5-56.6                  |                        | GRAPHITIC ARGILLITE/BRECCIA                                               |                                |     |       |       |               |                    |                  |  |  |
|                                  |                       |               |     |           |         | 56.6-60.6                  |                        | SILICEOUS GRAYWACKE                                                       |                                |     |       |       |               |                    |                  |  |  |
|                                  |                       |               |     |           |         | 60.6-72.4                  |                        | ANDESITE TO BASALT                                                        |                                |     |       |       |               |                    |                  |  |  |
|                                  |                       |               |     |           |         | 72.4-73.2                  |                        | INTERBEDDED GRAPHITIC & SILICEOUS ARGILLITE                               |                                |     |       |       |               |                    |                  |  |  |
|                                  |                       |               |     |           |         | 73.2-75.6                  |                        | BRECCIATED, ALTERED MAFIC VOLC/VOLCANIC FRAGMENTAL.                       |                                |     |       |       |               |                    |                  |  |  |
|                                  |                       |               |     |           |         | 75.6-84.5                  |                        | LCX RICH, VARIOLISTIC (CARB <sup>n</sup> ) BASALT                         |                                |     |       |       |               |                    |                  |  |  |
|                                  |                       |               |     |           |         | 84.5-89.6                  |                        | STRONGLY SHEARED, SILICIFIED, CARB <sup>n</sup> LCX BASALT.               |                                |     |       |       |               |                    |                  |  |  |
|                                  |                       |               |     |           |         | 89.6-94.7                  |                        | GRAPHITIC ARGILLITE                                                       |                                |     |       |       |               |                    |                  |  |  |
|                                  |                       |               |     |           |         | 94.7-97.5                  |                        | MINERALIZED, INTENSELY SER <sup>c</sup> CARB <sup>n</sup> MAFIC VOLCANIC  |                                |     |       |       |               |                    |                  |  |  |
|                                  |                       |               |     |           |         | 97.5-98.6                  |                        | GRAPHITIC, SILICEOUS ARGILLITE                                            |                                |     |       |       |               |                    |                  |  |  |
|                                  |                       |               |     |           |         | 98.6-99.4                  |                        | PYRITIC, SERICITIC ARGILLITE                                              |                                |     |       |       |               |                    |                  |  |  |
|                                  |                       |               |     |           |         | 99.4-102.1                 |                        | GRAPHITIC ARGILLITE                                                       |                                |     |       |       |               |                    |                  |  |  |
|                                  |                       |               |     |           |         | 102.1-108.5                |                        | CARBONATIZED, FG YLLINE AND-BASALT.                                       |                                |     |       |       |               |                    |                  |  |  |
|                                  |                       |               |     |           |         | 108.5-112.4                |                        | MINERALIZED, STRONGLY CARB <sup>n</sup> , SER <sup>c</sup> MAFIC VOLCANIC |                                |     |       |       |               |                    |                  |  |  |

CONTINUED



# HOMESTAKE MINERAL DEVELOPMENT CO.

## **DIAMOND DRILL LOG**

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|                                 |                      |
|---------------------------------|----------------------|
| PROJECT <u>TULLY</u>            | ELEVATION _____      |
| HOLE DESIGNATION <u>T-91-05</u> | AZIMUTH _____        |
| NTS _____                       | DIP _____            |
| CLAIM _____                     | LENGTH OF HOLE _____ |
| EASTING _____                   | CORE DIAMETER _____  |
| NORTHING _____                  |                      |

CONTRACTOR \_\_\_\_\_  
DATE STARTED \_\_\_\_\_  
DATE FINISHED \_\_\_\_\_  
LOGGED BY \_\_\_\_\_  
DATE \_\_\_\_\_  
SCALE \_\_\_\_\_

**BASELINE** \_\_\_\_\_  
**TEST DEPTH**

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

  
**AZIMUTH**

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

  
**DIP**

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

PROJECT TULLYHOLE DESIGNATION T-91-05LOGGED BY DUNCAN MCIVORSCALE 1:100PAGE 2 OF 9

| DRILL INTERVAL |      | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE<br>(DESCRIPTION)                 | ALTERATION and VEINING   | MINERAL PERCENTAGES |    |     |      |       | ASSAY GEOCHEMISTRY |  |  |  |  | LAB |  |
|----------------|------|-----------------------|---------------|-----------------------|-----------|-----|---------|--------------------------------------------|--------------------------|---------------------|----|-----|------|-------|--------------------|--|--|--|--|-----|--|
| FROM           | TO   |                       |               |                       |           |     |         |                                            |                          | Py                  | Pb | Cpy | AsPy | Other | Au (ppb)           |  |  |  |  |     |  |
| 25.0           |      |                       |               |                       |           |     |         |                                            |                          |                     |    |     |      |       |                    |  |  |  |  |     |  |
| 26.0           |      |                       |               |                       |           |     |         |                                            |                          |                     |    |     |      |       |                    |  |  |  |  |     |  |
| 27.0           |      |                       |               |                       |           |     |         |                                            |                          |                     |    |     |      |       |                    |  |  |  |  |     |  |
| 28.0           |      |                       |               |                       |           |     |         |                                            |                          |                     |    |     |      |       |                    |  |  |  |  |     |  |
| 29.0           |      |                       |               |                       |           |     |         |                                            |                          |                     |    |     |      |       |                    |  |  |  |  |     |  |
| 29.3           | 32.0 | 2.7                   | 100%          | 35° / / /             | 4         | /   |         | 29.3 - 38.1 M FG YLLINE BASALT             | WEAK CHL-CALC-CACTE ALT. | TR.                 | -  | -   | -    | -     |                    |  |  |  |  |     |  |
| 32.0           | 35.0 | 3.0                   | 100%          | / / /                 | 5         |     |         | 38.1 - 47.2 M PORPHYRITIC FG YLLINE BASALT | WEAK CHL-CALC ALT.       | TR.                 | -  | -   | -    | -     |                    |  |  |  |  |     |  |
| 35.0           | 38.0 | 2.8                   | 93%           | / / /                 | 4         |     |         |                                            | Wk chl-calc alt.         | TR.                 | -  | -   | -    | -     |                    |  |  |  |  |     |  |
| 38.0           | 41.0 | 3.0                   | 100%          | MASSE                 | 6         |     |         |                                            | Wk chl-calc alt.         | TR.                 | -  | -   | -    | -     |                    |  |  |  |  |     |  |

0 - 29.3 M OVERTBURDEN.

- CASING LEFT IN HOLE AND MAKING WATER.

OVERBURDEN.

29.3 - 38.1 M FG YLLINE BASALT

- med green, lg. ylline, massive to v. crudely fol. in places @ 35°, wky chl, wky calcitic basalt, c 5% diss < 1mm pink to white lge. bbs.
- mod. bradyred, @ all orientations, = pred. chl, calc fracture fill.
- non-magnetic
- average sulphide content: only trace Py as brachill & min. ass. & thin gr veins.
- < 5% thin secondary qtz-calc phs @ all orientations
- from 34.2 - 34.4, 20 cm bleached Fe carb alt. zone around 2 cm qtz. Fe carb vns @ 90°, 45° to calc, locally < 1% vlg. diss. Py.
- from 38.0 - 38.1, qtz-chlorite vein/band @ 50° calc, marks distinct flow contact w underlying, coarser porphyritic unit.

38.1 - 47.2 M PORPHYRITIC FG YLLINE BASALT

- massive, to v. crudely foliated, @ 35°-45° to calc, comprised of vlg light to med. green wky chl/gnd mass, c 20% 1-3 mm partially carb altered light green plagiophenox throughout rk (some may be Fe carb porphyroblasts).
- strongly fractured, @ all orientations, = pred. chl, calc fracture filling.
- non-magnetic

PROJECT TULLYHOLE DESIGNATION T-91-05LOGGED BY DUNCAN MCIVORSCALE 1:100PAGE 3 OF 9

| DRILL INTERVAL |      | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE  | ROD        | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ALTERATION AND VEINING    | MINERAL PERCENTAGES |       |      |      |          |          | ASSAY GEOCHEMISTRY |      |      |   | LAB |  |  |
|----------------|------|-----------------------|---------------|-----------------------|------------|------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------|-------|------|------|----------|----------|--------------------|------|------|---|-----|--|--|
| FROM           | TO   |                       |               |                       |            |            |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           | Py                  | Po    | Cpy  | AsPy | Orn.     | Ort      | AsC                | Ag   | (Pb) |   |     |  |  |
| 38.0           | 41.0 | 3.0                   | 100%          | 30°-40°               |            | 6          |         | 38.1-47.2 M CONTINUED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | WEAK CHL-Fe CARB ALT.     | TR.                 | -     | -    | -    | -        | -        | -                  |      |      |   |     |  |  |
| 41.0           | 44.0 | 3.0                   | 100%          |                       | RUBBLE     | 10         |         | <5% secondary qtz. vns. & all. or.<br>- cleav. fine grained, vlnq., cleaved appearing zones where porphyritic yellow tbt's overlain.<br>- average sulphide content: only trace Py, associated w/ occasional qtz-cab vns. in filled fractures.<br>- contains 3-5% <1mm diss. k-fels.<br>- @ 38.7, 2 cm qtz-cab ep. vein @ 85° to cax.<br>- @ 38.4, 1 cm pink dol. vn @ 45° to cax.<br>- from 40.8-42.4, finer grained zone, crudely fol @ 30-40° to cax.<br>- from 43.4-43.7, weakly autobrecciated, & brecc by thin chl seams, locally 20% 1-3 cm contorted qtz-cab vns @ 45° to cax.<br>- from 44.0-44.4, rubble zone.<br>- contact @ 47.2 marked by 2 cm pink dol. vn @ 90° cax. |                           |                     |       |      |      |          |          |                    |      |      |   |     |  |  |
| 44.0           | 47.0 | 3.0                   | 100%          |                       | MASSIVE    | 6          |         | 47.2-47.3 M GRAPHITIC SILICEOUS METASEDIMENT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | WEAK CHL-Fe CARB ALT.     | TR.                 | -     | -    | -    | -        | -        | -                  |      |      |   |     |  |  |
| 47.0           | 50.0 | 2.4                   | 80%           | 65°                   |            | 20         |         | predominantly rubble, where observable:<br>- jet black, wldly graphitic (20%), mod. polished, bds appearing @ 65° to cax, hard, siliceous vlnq.-argillaceous rock.<br>- v. strongly fractured, @ all orientations, & qtz-cab. Py frct. fill.<br>- 3% Py as vlnq. diss. min. & fracture filling.<br>- 20% 2-3 cm qtz-cab vns, pred. II publ. fol<br>- @ 47.2, 2 cm pink dol. vn @ 80° to cax<br>- from 47.4-47.5, 10 cm. qtz-pink dol. vn w fol & 2% Py.                                                                                                                                                                                                                            |                           |                     |       |      |      |          |          |                    |      |      |   |     |  |  |
| 50.0           | 53.0 | 3.0                   | 100%          | 30°                   |            | >50 RUBBLE |         | 47.7-51.5 M SILICEOUS GRANULACKE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SIL ALT HALOS and FRACTS. | 3%                  | -     | -    | -    | -        | -        | 20% GRAP           | 47.7 | 3726 | 9 |     |  |  |
| 53.0           | 56.0 | 3.0                   | 100%          | 0°                    | SHEAR      | 1          |         | rock is v. hard, siliceous, vlnq. & v. poorly defined bedding @ 0° & 50° to cax, as defined by preferred orientation of c. 10% small <1mm black (graphitic, org?) rock frags elong. assumed bds.<br>- strongly fractured, prominent sets @ 30-40°, c. pred. qtz-pink Fe carb. Py mac. fill - traces of qtz vns often have strong 1-2 cm silicified alteration halos, & vlnq diss. Py halos.<br>- average sulphide content: 3% Py as vlnq. diss. min. throughout rock & frac. fill, halos on fracs, & trace Cpy ass & qtz veins.<br>- from 48.3-48.6, 3cm qtz-pink carb. vn @ 15° to cax, & strong 2 cm silicified, pyritic (5%) halo, & 0.5% Cpy ass & vein.                       |                           |                     |       |      |      |          |          |                    |      |      |   |     |  |  |
| 53.0           | 56.0 | 3.0                   | 100%          |                       | >50 RUBBLE |            |         | 51.5-56.6 M GRAPHITIC ARGILLITE/BRECCIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 30% DOL VN(S)             | 2%                  | -     | TR.  | -    | TR. sph. | 60% GRAP | 52.5               | 3731 | 6    |   |     |  |  |
| 56.0           | 58.0 | 3.0                   | 100%          |                       |            |            |         | >50% polished, bedded, @ pred. 0° to cax, though ranges 0-30° to cax, intensely contorted, folded in places.<br>- soft, jet black, vlnq. graphitic argillite (60% graph)<br>- 30% of unit is 1-3 cm pink dolomitic vein @ 0° to cax, weaves in & out of core, bounded by intense graphitic shear                                                                                                                                                                                                                                                                                                                                                                                   |                           |                     |       |      |      |          |          |                    |      |      |   |     |  |  |
| 58.0           | 59.0 | 3.0                   | 100%          |                       |            |            |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | TR. sph.                  | 60% GRAP            | 53.5  | 3732 | 6    |          |          |                    |      |      |   |     |  |  |
| 59.0           | 64.0 | 3.0                   | 100%          |                       |            |            |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | TR. sph.                  | 60% GRAP            | 54.5  | 3733 | 11   |          |          |                    |      |      |   |     |  |  |
| 64.0           | 65.0 | 3.0                   | 100%          |                       |            |            |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | TR. sph.                  | 60% GRAP            | 57.34 | 3734 | 8    |          |          |                    |      |      |   |     |  |  |

PROJECT Tally

**HOLE DESIGNATION** T-91-05

- LOGGED BY DUNCAN MCIVOR

SCALE 1:10

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**PROJECT** Tony

**HOLE DESIGNATION** T-91-05

LOGGED BY DUNCAN MCIVOR

— SCALE — 1:100

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**PROJECT** Tony

HOLE DESIGNATION T-91-05

LOGGED BY DUNCAN MCIVOR

SCALE

1 : 100

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| DRILL<br>INTERVAL | FROM | TO    | RECOVERED<br>CORE<br>LENGTH | CORE<br>RECOVERY | FOLIATION<br>OR<br>CLEAVAGE | STRUCTURE | ROD | GRAPHIC | ROCK TYPE<br>(DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ALTERATION<br>and<br>VENING                                 | MINERAL PERCENTAGES |    |                 |                  |       | DEPTH              | SAMPLE<br>NUMBER   | ASSAY GEOCHEMISTRY |             |              |  |  |
|-------------------|------|-------|-----------------------------|------------------|-----------------------------|-----------|-----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---------------------|----|-----------------|------------------|-------|--------------------|--------------------|--------------------|-------------|--------------|--|--|
|                   |      |       |                             |                  |                             |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                             | P <sub>4</sub>      | Po | Cp <sub>4</sub> | AsP <sub>4</sub> | OTH.  |                    |                    | Au<br>(ppb)        | Ag<br>(ppm) | SPa<br>(ppm) |  |  |
| 85.0              | 83.0 | 86.0  | 3.0                         | 100%             | 35°                         |           | 7   |         | 84.5 - 89.6 M STRONGLY SHEARED, SILICIFIED CARB <sup>n</sup><br>Lx BASALT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | STRONG<br>Fe CARB ALT.                                      | 1%                  | -  | -               | -                | -     | 85.5               | 3743 <sup>14</sup> | 8                  |             |              |  |  |
| 86.0              |      |       |                             |                  |                             |           |     |         | - as in preceding unit, but intensely altered, more strongly sheared, sch @ 35° to car., light grayish green, vfg, ± 60-100% patches from 5mm to 2cm of intense Fe carb, mod. sil. alt.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                             |                     |    |                 |                  | 86.5  | 3744 <sup>20</sup> |                    |                    |             |              |  |  |
| 87.0              | 86.0 | 89.0  | 3.0                         | 100%             | SHEAR                       |           | 10  |         | - 5-10% diss 1-3 mm pink lcx blobs.<br>- strongly fractured, sch @ 0°-90° to car., ± dol. carb.<br>± minor graphite, frac. fill.<br>1% Py as acc. diss blobs to 3mm & as frac. fill.<br>from 82.5, becomes clear gray, harder, more sil, Py increases to 2%.<br>from 88.4-88.8, intensely silicified zone around 10 cm graphitic shear @ 65° to car., 5% Py as vfg diss min. helping shear, & few pyrite blobs in graph.<br>@ contact @ 89.6, 10 cm silicified zone, 2-10% diss Py, contact @ 60° to car.                                                                                                                                                                                                                                              | STRONG<br>Fe CARB,<br>MOD. SIL.<br>ALT.                     | 2%                  | -  | -               | -                | -     |                    | 87.5               | 3745 <sup>21</sup> | 45          |              |  |  |
| 88.0              |      |       |                             |                  |                             |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                             |                     |    |                 |                  |       | 88.4               | 3746 <sup>22</sup> | 45                 |             |              |  |  |
| 89.0              | 89.0 | 92.0  | 3.0                         | 100%             | 90°                         | CNTC.     | 750 | RUBBLE  | 89.6 - 94.7 M GRAPHITIC ARGILLITE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                             |                     |    |                 |                  | 88.8  | 3747 <sup>23</sup> | 164                |                    |             |              |  |  |
| 90.0              |      |       |                             |                  |                             |           |     |         | - finely bedded @ all. or. 40° to car., though locally contorted.<br>jet black, soft, v. graphitic (80%) argillite<br>- 5% thin (to 3cm, avg 1cm) light greenish gray, vfg, granular "silstone" type interbeds, often slumped app.<br>- 5% thin 1-2 mm silica seams w/ fels (as always ± graph).<br>- 7% Py, almost entirely as 5mm-2cm irregular blobs.<br>occ. thin semi. mass band interb, minor vfg diss min.<br>mod. fractured, pred. w/ fels. & calc, abundant hem<br>frac. fill.<br>from 91.0-94.7, core pred. rubble (fault)<br>from 92.0-92.5, in rubble zone, 50% of fragments are qtz vs material, locally abundant hem. frac. fill.<br>@ 92.6, 10 cm silicified interbed ± 10% vfg diss Py.<br>@ 93.0, alter 1-2cm qtz vs frags in rubble. | SOFT GRIZ<br>VI RUBBLE                                      | 7%                  | -  | -               | -                | -     |                    | 90.5               | 3749 <sup>24</sup> | 829         |              |  |  |
| 91.0              |      |       |                             |                  |                             |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                             |                     |    |                 |                  | 92.0  | 3750 <sup>25</sup> | 704                |                    |             |              |  |  |
| 92.0              | 92.0 | 95.0  | 3.0                         | 100%             | RUBBLE<br>(FAULT)           |           | 750 | RUBBLE  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                             |                     |    |                 |                  | 92.5  | 3751 <sup>27</sup> | 418                |                    |             |              |  |  |
| 93.0              |      |       |                             |                  |                             |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                             |                     |    |                 |                  | 93.5  | 3752 <sup>28</sup> | 587                |                    |             |              |  |  |
| 94.0              |      |       |                             |                  | RUBBLE<br>(FAULT)           |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                             |                     |    |                 |                  | 94.7  | 3753 <sup>29</sup> | 3033               | 3.056              |             |              |  |  |
| 95.0              | 95.0 | 98.0  | 3.0                         | 100%             | 30°                         |           | 750 | RUBBLE  | 94.7 - 97.5 M MINERALIZED, INTENSELY SER, CARB <sup>n</sup><br>MAFIC VOLC. (?)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | STRONG<br>INTENSE<br>FeCARB-SER<br>ALT.<br>20% QC<br>VEINS. | 3%                  | -  | T2.             | 1%               |       | 95.5               | 3754 <sup>30</sup> | 409                |             |              |  |  |
| 96.0              |      |       |                             |                  |                             |           |     |         | - rock is gray, vfg, granular appearing, v. strongly Fe carb alt. mod. sericitized. only wky, crudely foliated @ 50° to car. though locally variable. looks in places like all volc. elsewhere like a silstone - probably unknown.<br>intensely fractured @ all. or., ± qtz, chl. carb free fill (& graph proximal contacts).<br>- 20% ± 5mm-2cm qtz-Fe carb vns @ all orientations, ± as. 3% Py, 1% AsPy as vfg diss min throughout rock & haloing qtz vns, filled fractures, & fresh-Cp <sub>4</sub> ass ± qtz vns.<br>- contact ± underlying graphitic unit @ 20° to car.                                                                                                                                                                           |                                                             |                     |    |                 |                  | 96.0  | 3755 <sup>31</sup> | 156                |                    |             |              |  |  |
| 97.0              |      |       |                             |                  | 35-40°                      | 20°       |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                             |                     |    |                 |                  | 96.5  | 3756 <sup>32</sup> | 280                |                    |             |              |  |  |
| 98.0              |      |       |                             |                  |                             |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                             |                     |    |                 |                  | 97.0  | 3757 <sup>33</sup> | 264                |                    |             |              |  |  |
| 99.0              | 98.0 | 101.0 | 3.0                         | 100%             | 30°                         |           | 750 | RUBBLE  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                             |                     |    |                 |                  | 97.5  | 3758 <sup>34</sup> | 608                |                    |             |              |  |  |
| 100.0             |      |       |                             |                  | 35°                         |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                             |                     |    |                 |                  |       | 98.6               | 3759 <sup>35</sup> | 960                |             |              |  |  |
|                   |      |       |                             |                  |                             |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                             |                     |    |                 |                  | 99.4  | 3760 <sup>36</sup> | 235                |                    |             |              |  |  |
|                   |      |       |                             |                  |                             |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                             |                     |    |                 |                  | 100.0 | 3761 <sup>37</sup> | 847                |                    |             |              |  |  |

**PROJECT** Tilly

**HOLE DESIGNATION** T-91-05

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SCALE 1:10

1:100

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| DRILL<br>INTERVAL | RECOVERED<br>CORE<br>LENGTH |       | CORE<br>RECOVERY | FOLIATION<br>OR<br>CLEAVAGE | STRUCTURE | ROD           | GRAPHIC | ROCK TYPE<br>(DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ALTERATION<br>and<br>VENNING   | MINERAL PERCENTAGES |    |     |      |      | DEPTH       | SAMPLE<br>NUMBER | ASSAY GEOCHEMISTRY |      |       |  |
|-------------------|-----------------------------|-------|------------------|-----------------------------|-----------|---------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------|----|-----|------|------|-------------|------------------|--------------------|------|-------|--|
|                   | FROM                        | TO    |                  |                             |           |               |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                | Py                  | Po | Cpy | AsPy | oth. | Au<br>(ppb) | Ag<br>(gpt)      | Se                 | Co   |       |  |
| 98.0 - 101.0      | 3.0                         | 100%  |                  | 35°                         |           | >50<br>RUBBLE |         | 97.5-98.6 M GRAPHITIC, SILICEOUS ARGILLITE.<br>pred. (rod) - jet black, v. hard, siliceous, almost cherty<br>graphic (30-70%) argillite, fol. highly variable, ranges<br>20-70° to core, pred. @ 35° to core.<br>- strongly fractured @ all orientations, c. qtz, frc. hil.<br>- contains 10% Py as nodules up 2cm, & semi-massive<br>bands    fol to 1-2 cm, & as frc. hil.<br>- from 97.3-97.6, 70% Py as 1-2 cm semi-mass bands.<br>- @ 97.8, 2 cm semi-mass Py band @ 40° core. | SLR, ALT<br>OF SLUR<br>INTBEDS | 5%                  | -  | -   | -    | -    | 806<br>2000 | 101.0            | 3762               | 752  |       |  |
| 101.0 - 102.0     |                             |       |                  |                             |           |               |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                     |    |     |      |      |             | 102.1            | 3763               | 811  |       |  |
| 102.0 - 103.0     | 101.0                       | 104.0 | 3.0              | 100%                        | MASSE     |               | 10      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                     |    |     |      |      |             | 103.0            | 3764               | 10   |       |  |
| 103.0 - 104.0     |                             |       |                  |                             |           |               |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                     |    |     |      |      |             | 104.0            | 3765               | 6    |       |  |
| 104.0 - 105.0     |                             |       |                  |                             |           |               |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                     |    |     |      |      |             | 105.0            | 3766               | 16   |       |  |
| 105.0 - 106.0     | 104.0                       | 107.0 | 3.0              | 100%                        |           | 5             |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                     |    |     |      |      |             | 106.0            | 3767               | 7    |       |  |
| 106.0 - 107.0     |                             |       |                  |                             |           |               |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                     |    |     |      |      |             | 107.0            | 3768               | 45   |       |  |
| 107.0 - 108.0     |                             |       |                  |                             |           |               |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                     |    |     |      |      |             | 108.0            | 3769               | 46   |       |  |
| 108.0 - 109.0     | 107.0                       | 110.0 | 3.0              | 100%                        |           | 10            |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                     |    |     |      |      |             | 108.5            | 3770               | 60   |       |  |
| 109.0 - 110.0     |                             |       |                  | 60°                         |           |               |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                     |    |     |      |      |             | 109.0            | 3771               | 372  |       |  |
| 110.0 - 111.0     |                             |       |                  |                             |           |               |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                     |    |     |      |      |             | 109.5            | 3772               | 171  |       |  |
| 111.0 - 112.0     | 110.0                       | 113.0 | 3.0              | 100%                        |           | >50<br>RUBBLE |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                     |    |     |      |      |             | 110.0            | 3773               | 397  |       |  |
| 112.0 - 113.0     |                             |       |                  |                             |           |               |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                     |    |     |      |      |             | 110.5            | 3774               | 315  |       |  |
| 113.0 - 114.0     |                             |       |                  |                             | MASSE     |               | 10      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                     |    |     |      |      |             | 111.0            | 3775               | 2728 | 2.08  |  |
| 114.0 - 115.0     | 113.0                       | 116.0 | 3.0              | 100%                        |           |               |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                     |    |     |      |      |             | 111.5            | 3776               | 1063 | 0.857 |  |
| 115.0 -           |                             |       |                  |                             |           |               |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                     |    |     |      |      |             | 112.0            | 3777               | 806  |       |  |
|                   |                             |       |                  |                             |           |               |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                     |    |     |      |      |             | 112.4            | 3778               | 503  |       |  |
|                   |                             |       |                  |                             |           |               |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                     |    |     |      |      |             | 113.0            | 3779               | 6    |       |  |
|                   |                             |       |                  |                             |           |               |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                     |    |     |      |      |             | 114.0            | 3780               | 45   |       |  |
|                   |                             |       |                  |                             |           |               |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |                     |    |     |      |      |             | 115.0            | 3781               | 45   |       |  |

PROJECT TULLY

**HOLE DESIGNATION**

T-91-05

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SCALE 1:100

1:100

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PROJECT Tulip

**HOLE DESIGNATION** T-91-05

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— SCALE

1:100

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ALTERATION AND VENING               | MINERAL PERCENTAGES |      |      |       |       | ASSAY GEOCHEMISTRY |          |              | LAB  |    |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------|------|------|-------|-------|--------------------|----------|--------------|------|----|
| FROM           | TO    |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     | Py                  | Po   | Cpy  | AsPy  | Oth.  | 113.0              | Au (ppb) | Ag SFA (ppb) |      |    |
| 113.0          | 116.0 | 3.0                   | 100%          | MASSIVE               |           | 10  |         | 112.4-116.0 M STRONGLY Fe CARB-SER ALTERED BASALT.<br>- transitional unit, from overlying intensely altered to<br>underlying v. weakly altered leucorene basalt.<br>- ranges from beige, intensely Fe carb-ser alt. @ 112.4, to<br>dk green chl <sup>2</sup> basalt @ 116.0.<br>- massive, well dev. fm illite hb, ± 30-35% aggregates<br>to 3mm of carb chl plaq to plaq, 5% diss 1-2 mm<br>pink leucorene blebs (increases to 7-8% downhole).<br>most to strongly fractured, ± 70-90° to carb, ± qtz Fe<br>carb chl frct fil.<br>- < 5% thin secondary qtz-carb vns @ all orientations.<br>- only 0.5% Py as acc. diss bleb to 1-3 mm.<br>- @ 112.8, 2 cm qtz vns @ 80° to carb.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | NOD-CHL ALT.                        | 0.5%                | -    | -    | -     | -     | -                  | 116.0    | 58           | 3782 | L5 |
| 116.0          | 119.0 | 3.0                   | 100%          | MASSIVE               |           | 6   |         | 116.0-127.8 M FG. ILLINE, LCX BASALT.<br>- massive, dk green, h. illine basalt. ± 10% 1-3 mm<br>diss, pink to white Fe vns, & 15-20% irregular blebs<br>& patches of pink to white Fe carb/calc-exudate, in<br>places, may be porphyroblasts, but prob. weakly alt to spars.<br>- wldly to mod. chloritized, non-magnetic,<br>- strongly fractured @ all orientations, ± prob. chl. frct. fil.<br>- <> 5% thin secondary qtz-calc vns @ all orientations.<br>- only 0.5% Py as minor diss min & frct fil.<br>- from 117.0-117.1, 10 cm vfg zone (flowstop) ± 1% diss Py.<br>- from 118.1-118.2, clear 1cm qtz-calc vns @ all or. < 1% P.<br>- @ 119.6, 119.8, 2 cm qtz-calc vns @ 90° to carb<br>strongly bleached 1-2 cm alt halos.<br>- from 120.3-120.6, wldly brecciated, bleached zone (flow op)<br>- from 120.6-122.2, finer grained zone, & locally 1%<br>diss Py, abundant hematite frct fil.<br>- from 122.2, carb blebs/patches to 30% rk. v.<br>"Snowflake" frct'd.<br>- from 125.5-127.8, rubble zone, due to several 1-2<br>cm qtz-Fe/Mg carb vns/filled fracs @ 0° to carb,<br>vns have strong 5mm-1cm bleached carb-ser-sil<br>alt halos, & 1% Py, b. Cpy.<br>- relatively sharp contact @ 127.8 & underlying intensely<br>alt zone. | WK-MOD<br>CHL ALT.,<br>WK CARB ALT. | 0.5%                | -    | -    | -     | -     | -                  | 125.5    | 59           | 3783 | 10 |
| 122.0          | 125.0 | 3.0                   | 100%          | MASSIVE               |           | 5   |         | 127.8-129.5 M BRECCIATED, INTENSELY Fe CARB-SER<br>ALTERED MAFIC VOLCANIC.<br>- strongly foliated, @ 65-70° to carb, beige, intensely Fe<br>carb-mod ser alt mafic volcanic, intensely fractured to<br>brecciated by thin (by 5mm) qtz qtz-carb seams<br>pred. 11 frct to 15% rock.<br>- 10% 5mm-1cm qtz qtz-carb vns pred. 11 frct. both fracs<br>& vns have Py-AsPy halos as outlined below.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | WK-MOD<br>CHL ALT.,<br>WK CARB ALT. | 0.5%                | -    | -    | -     | -     | -                  | 126.5    | 60           | 3784 | L5 |
| 125.0          | 128.0 | 3.0                   | 100%          | RUBBLE                |           | >50 |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | TR.                                 | 1%                  | TR.  |      |       |       | 127.2              | 61       | 3785         | L5   |    |
| 128.0          | 131.0 | 3.0                   | 100%          | MASSIVE               | 65-70°    | S   |         | INTENSE Fe CARB ALT.,<br>MOD-SER ALT.,<br>PATCHY SILC,<br>10% QC vns.<br><br>WLLKLY CHL <sup>2</sup> ,<br>WLLKLY CARB <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3%                                  | -                   | TR.  | 2%   |       | 128.3 | 62                 | 3786     | 32           |      |    |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | TR,<br>SPH.                         | 10%                 |      | 2%   |       | 128.8 | 63                 | 3787     | 175          |      |    |
|                |       |                       |               |                       |           |     |         | 129.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10%                                 | 129.0               | 3788 | 1417 | 1.286 |       | 129.5              | 64       | 3789         | 142  |    |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2%                                  | 129.5               | 3790 | 66   |       |       | 129.5              | 65       | 3790         | L5   |    |

PROJECT Tony

## **HOLE DESIGNATION .**

T-91-05

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DUNCAN MCIVOR

**SCALE -**

1:100

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# HOMESTAKE MINERAL DEVELOPMENT CO.

## **DIAMOND DRILL LOG**

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PROJECT Tully ELEVATION -0  
HOLE DESIGNATION I-91-05 (EXT) AZIMUTH 180°  
NTS 42 A/14 DIP -55°  
CLAIM  LENGTH OF HOLE 143.0-256.0  
EASTING L12+00 E, (IMPERIAL GRID) CORE DIAMETER NQ  
NORTHING 10+00 N

CONTRACTOR NOREX  
DATE STARTED MARCH 19, 1991  
DATE FINISHED MARCH 21, 1991  
LOGGED BY DUNCAN McIVOR  
DATE MARCH, 1991  
SCALE 1:100

| <u>BASELINE</u>   | <u>IMPERIAL GRID.</u> |  |  |
|-------------------|-----------------------|--|--|
| <u>TEST DEPTH</u> | 235M.                 |  |  |
| <u>AZIMUTH</u>    | 180°.                 |  |  |
| <u>DIP</u>        | 50°.                  |  |  |



# HOMESTAKE MINERAL DEVELOPMENT CO.

## **DIAMOND DRILL LOG**

Page 14 of 8.

|                        |                      |
|------------------------|----------------------|
| PROJECT _____          | ELEVATION _____      |
| HOLE DESIGNATION _____ | AZIMUTH _____        |
| NTS _____              | DIP _____            |
| CLAIM _____            | LENGTH OF HOLE _____ |
| EASTING _____          | CORE DIAMETER _____  |
| NORTHING _____         |                      |

CONTRACTOR \_\_\_\_\_  
DATE STARTED \_\_\_\_\_  
DATE FINISHED \_\_\_\_\_  
LOGGED BY \_\_\_\_\_  
DATE \_\_\_\_\_  
SCALE \_\_\_\_\_

**BASELINE** \_\_\_\_\_

|            |  |  |  |  |
|------------|--|--|--|--|
| TEST DEPTH |  |  |  |  |
| AZIMUTH    |  |  |  |  |
| DIP        |  |  |  |  |

PROJECT Tony

HOLE DESIGNATION T-91-05 E

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SCALE 1:100

1:100

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PROJECT TULLY

HOLE DESIGNATION T-91-05E

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE<br>(DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                         | ALTERATION AND VENING                                   | MINERAL PERCENTAGES |     |     |      |       | ASSAY GEOCHEMISTRY |            |  | LAB |  |  |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------|-----|-----|------|-------|--------------------|------------|--|-----|--|--|
| FROM           | TO    |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                         | Py                  | Pb  | Cpy | Aspy | Other | Ag (ppb)           | Au SFA GPT |  |     |  |  |
| 155.0          |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                    | WILLY CHL <sup>2</sup> , CARB <sup>4</sup> .            | 2%                  | -   | -   | -    | -     | 645                | 03         |  |     |  |  |
| 156.0          |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                    | 156.0                                                   | 645                 | <5  |     |      |       |                    |            |  |     |  |  |
| 156.0          | 158.0 | 3.0                   | 100%          | MASSIVE               |           | 4   |         | 156.0 - 162.5 M PORPHYRITIC/BLASTIC CARB <sup>1</sup> Icx BASALT.                                                                                                                                                                                                                                                                                                                                                                  | WILLY - MOD CHL <sup>3</sup> , MOD. CARB <sup>4</sup> . | 1%                  | -   | -   | -    | -     | 646                | 04         |  |     |  |  |
| 157.0          |       |                       |               | MASSIVE               |           |     |         | rock comprised of a massive, dk green, willy-mod chl <sup>3</sup> & porphyritic groundmass, ± 5-7% 1-3 mm diss pink Icx blobs; ± avg 35% 5mm-1cm (coarser downhole) irregular spherulitic type blobs/aggregates of smaller sub-octahedral gray to pinkish gray Fe carbonate (alt plaq?) in well dev "snowflake" ft. mod. fractured, ± prominent schist @ 0°, 45°, 90° to carb, ± pred. Fe carb, some calc, chl, qtz, Py frac fill. |                                                         | 157.0               | 646 | <5  |      |       |                    |            |  |     |  |  |
| 158.0          |       |                       |               |                       |           | 8   |         | ± 5% secondary pred. Fe carb minor qtz vns @ all pr.                                                                                                                                                                                                                                                                                                                                                                               | WILLY - MOD CHL <sup>3</sup> , MOD. CARB <sup>4</sup> . | 158.0               | 647 | <5  |      |       |                    |            |  |     |  |  |
| 159.0          |       |                       |               |                       |           |     |         | both fracs & veins have 5mm-2cm more strongly carb, ser, bleached alt. halos.                                                                                                                                                                                                                                                                                                                                                      |                                                         | 159.0               | 648 | 06  | <5   |       |                    |            |  |     |  |  |
| 160.0          |       |                       |               |                       |           |     |         | average sulphide content: 1% Py, pred as frac fill, minor diss min.                                                                                                                                                                                                                                                                                                                                                                | WILLY SERC, MOD. CARB <sup>4</sup> .                    | 160.0               | 649 | 07  | <5   |       |                    |            |  |     |  |  |
| 161.0          |       |                       |               |                       |           |     |         | from 156.8-157.0, 1cm Fe carb in @ 0° to carb.                                                                                                                                                                                                                                                                                                                                                                                     |                                                         | 161.0               | 650 | 08  |      |       |                    |            |  |     |  |  |
| 161.0          | 161.0 | 3.0                   | 100%          |                       |           |     |         | @ 157.5, 1cm qtz Fe carb in @ 95° to carb.                                                                                                                                                                                                                                                                                                                                                                                         |                                                         | 161.0               | 651 | 09  |      |       |                    |            |  |     |  |  |
| 162.0          |       |                       |               |                       |           |     |         | @ 158.4, abv 1cm Fe carb minor qtz vns @ 30°, 50° to carb.                                                                                                                                                                                                                                                                                                                                                                         |                                                         | 162.0               | 652 | 10  | <5   |       |                    |            |  |     |  |  |
| 162.0          |       |                       |               |                       |           |     |         | @ 158.9, 10 cm bleached carb <sup>1</sup> zone.                                                                                                                                                                                                                                                                                                                                                                                    |                                                         | 162.0               | 652 | 11  | <5   |       |                    |            |  |     |  |  |
| 162.0          |       |                       |               |                       |           |     |         | @ 159.2, 1cm qtz Fe carb in @ 50° to carb, ± 2cm carbonized alt. halo.                                                                                                                                                                                                                                                                                                                                                             |                                                         | 162.0               | 653 | 12  |      |       |                    |            |  |     |  |  |
| 162.0          |       |                       |               |                       |           |     |         | from 159.5, becomes gradationally lighter green, willy pervasively bleached, ser, carb?                                                                                                                                                                                                                                                                                                                                            |                                                         | 162.0               | 654 | 13  |      |       |                    |            |  |     |  |  |
| 163.0          |       |                       |               |                       |           | 10  |         | @ 160.5, 1cm qtz Fe carb in @ 65° to carb.                                                                                                                                                                                                                                                                                                                                                                                         | STRONGLY CARB <sup>4</sup> , MOD. SERC.                 | 163.0               | 653 | "   | 6    |       |                    |            |  |     |  |  |
| 163.0          |       |                       |               |                       |           |     |         | arbitrary contact @ 162.5 ± underlying more strongly alt. unit.                                                                                                                                                                                                                                                                                                                                                                    |                                                         | 163.0               | 654 | 14  |      |       |                    |            |  |     |  |  |
| 164.0          |       |                       |               |                       |           |     |         | 162.5 - 167.4 M STRONGLY CARB <sup>4</sup> , MOD. SERC PORPHYRITIC Icx BASALT.                                                                                                                                                                                                                                                                                                                                                     |                                                         | 164.0               | 655 | 15  | 443  |       |                    |            |  |     |  |  |
| 165.0          |       |                       |               |                       |           |     |         | more strongly altered equivalent of overlying unit.                                                                                                                                                                                                                                                                                                                                                                                |                                                         | 164.0               | 656 | 16  |      |       |                    |            |  |     |  |  |
| 165.0          |       |                       |               |                       |           |     |         | massive, to willy, crudely foliated @ 55° to carb.                                                                                                                                                                                                                                                                                                                                                                                 |                                                         | 164.0               | 657 | 17  | 166  |       |                    |            |  |     |  |  |
| 166.0          |       |                       |               |                       |           |     |         | rock is comprised of light greenish gray, ult. strongly Fe carb alt. mod. sericitized basaltic groundmass ± 5-5% 1-2 mm diss pink to yellow Icx blobs, ± 20% faint 2mm-5mm "snowflake" ft. Fe carb blobs.                                                                                                                                                                                                                          |                                                         | 165.0               | 658 | 18  |      |       |                    |            |  |     |  |  |
| 167.0          |       |                       |               |                       |           |     |         | ± strongly fractured, to brecciated by frags, @ all on, ± pred Fe carb, some qtz, chl, ser, Py frac fill.                                                                                                                                                                                                                                                                                                                          |                                                         | 165.0               | 659 | 19  | 1124 | 0.979 |                    |            |  |     |  |  |
| 167.0          | 167.0 | 3.0                   | 100%          |                       |           |     |         | 5% thin (<1cm) qtz Fe carb vns @ all pr., from sel @ 0-20° to carb, often ± more strongly bleached thin halos.                                                                                                                                                                                                                                                                                                                     |                                                         | 166.0               | 660 | 20  |      |       |                    |            |  |     |  |  |
| 168.0          |       |                       |               |                       |           |     |         | average sulphide content: 1% Py, as occ. phs blob ± fr. fill, & min. ass ± thin qtz veins. tr. Aspy as inter. bnd.                                                                                                                                                                                                                                                                                                                 |                                                         | 166.0               | 661 | 21  | 25   |       |                    |            |  |     |  |  |
| 168.0          |       |                       |               |                       |           |     |         | @ 162.7, abv 1cm qtz vns @ 45° to carb ± 1% ass Py @ margins.                                                                                                                                                                                                                                                                                                                                                                      |                                                         | 166.0               | 662 | 22  |      |       |                    |            |  |     |  |  |
| 169.0          |       |                       |               |                       |           |     |         | from 166.0-167.5, locally 10% thin (5mm) qtz-carb vns @ 0-20° to carb.                                                                                                                                                                                                                                                                                                                                                             |                                                         | 166.0               | 663 | 23  |      |       |                    |            |  |     |  |  |
| 170.0          |       |                       |               |                       |           |     |         | from 165.4-165.7, 30 cm intensely alt. zone, ± 5% diss Py, tr. Aspy, as halos on 20% thin 5mm qtz Fe carb vns @ 70-90°                                                                                                                                                                                                                                                                                                             |                                                         | 166.0               | 664 | 24  |      |       |                    |            |  |     |  |  |

PROJECT TULLY

HOLE DESIGNATION T-91-05E

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**PROJECT Tony**

HOLE DESIGNATION T-91-05E

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| DRILL INTERVAL |    | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | ROD | GRAPHIC | ROCK TYPE (DESCRIPTION)          | MINERAL PERCENTAGES                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | DEPTH | SAMPLE NUMBER | ASSAY GEOCHEMISTRY |  |  |  |
|----------------|----|-----------------------|---------------|-----------------------|-----------|-----|---------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------|---------------|--------------------|--|--|--|
| FROM           | TO |                       |               |                       |           |     |         |                                  |                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |       |               |                    |  |  |  |
|                |    |                       |               |                       |           |     |         | - ADDITIONAL DESCRIPTIVE NOTES - |                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |       |               |                    |  |  |  |
|                |    |                       |               |                       |           |     |         | 168.2-171.8M CONTINUED.          | From 171.0-171.8, intensely brecciated, graph-chl peams to 30% rock brecciate host into 1-2cm fragments, fels to 2% as chal. min & 0.25% As-Py as min. ages & thin qc vs Chalos on us. Sharp contact @ 171.8 @ 60° to cwk. |  |  |  |  |  |  |  |  |  |       |               |                    |  |  |  |

PROJECT TULLYHOLE DESIGNATION T-91-0SELOGGED BY DUNCAN MCIVORSCALE 1:100PAGE 4 OF 8

| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | ROD   | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                       | ALTERATION AND VENING         | MINERAL PERCENTAGES |    |     |       |       | ASSAY GEOCHEMISTRY |          |          |          |  |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------|----|-----|-------|-------|--------------------|----------|----------|----------|--|
| FROM           | TO    |                       |               |                       |           |       |         |                                                                                                                                                                                                                                                                                                               |                               | Py                  | Po | Cpy | Asly  | OTH   | Ag (ppb)           | As (ppb) | Fe (ppb) | Ni (ppb) |  |
| 170.0          |       |                       |               |                       |           |       |         | 171.8 - 172.7 M. GTZ-CARB VNED, BRECCIATED, SILICIFIED GRAPHITIC ARGILLITE - SILTSTONE.                                                                                                                                                                                                                       | STRONGLY CARBONATE MOD SERIC. | 1%                  |    | TR. | TR.   |       | 20                 |          |          |          |  |
| 171.0          | 170.0 | 173.0                 | 3.0           | 100%                  |           | 60°   |         | - mod. foliated @ cmt or. 50° to cov. though locally intensely contorted pred. & vlg. dk gray to black, mod. graphitic (25-35%) siltstone-argillite, c 20° - 5 mm, to 3 cm qtz vns w/ all orientations strongly brecciating rk (minor carb ass & qtz).                                                        |                               | 2%                  |    |     | 0.25% |       | 171.0              | 662      | 76       |          |  |
| 172.0          |       |                       |               |                       |           | 50°   | CARTC.  | - intensely fractured, @ all orientations, c pred. silica, Py, banch.                                                                                                                                                                                                                                         | 20% QZ VNDS.                  | 7%                  | -  | -   | -     | 21    |                    |          |          |          |  |
| 173.0          | 170.0 | 173.0                 | 3.0           | 100%                  |           | 60°   |         | - contains 7% Py as occasional irregular blebs to 1cm, occasional semi-massive band w/ fol. by qtz min. & frac fill.                                                                                                                                                                                          | 35% QZ VNDS.                  | 1%                  | -  | -   | -     | 171.8 | 663                | 248      |          |          |  |
| 174.0          |       |                       |               |                       |           | 65°   | RUBBLE  | - contact @ 172.7 @ 60° to cov.                                                                                                                                                                                                                                                                               | 30% QZ VNDS.                  | 7%                  | -  | -   | -     | 22    |                    |          |          |          |  |
| 175.0          | 173.0 | 176.0                 | 3.0           | 100%                  |           | - 75° |         | 172.7 - 173.2 M. QZ VNED, MOD CARB, SERIC BASALT.                                                                                                                                                                                                                                                             | STRONGLY SERIC. MOD. CARB.    | 2%                  | -  | -   | -     | 172.7 | 664                | 623      |          |          |  |
| 176.0          |       |                       |               |                       |           | - 80° | FAULT   | - mod. sch. @ 65° to cov. vlg. light green, mod. sericitized, Fe carb inf. sh. basalt, c 30% v. contorted to brecciated <5mm to 3 cm qtz. Fe carb vns w/ sub fol.                                                                                                                                             | 40% QZ VNDS.                  |                     |    |     |       | 173.0 | 665                | 530      |          |          |  |
| 177.0          | 176.0 | 179.0                 | 3.0           | 100%                  |           | 75°   |         | 173.0 - 173.2 M. QZ VNED GRAPHITIC RUBBLE (probably fall back rubble from above).                                                                                                                                                                                                                             | INTENSE SER-CARB ALT.         | 2%                  | -  | -   | -     | 23    |                    |          |          |          |  |
| 178.0          |       |                       |               |                       |           | 70°   | RUBBLE  | 174.5 - 175.6 M. INTENSE SER-CARB FRAGMENTAL (BRECCIA?) Rock.                                                                                                                                                                                                                                                 | 10% QZ VNDS.                  | 3%                  |    |     |       | 174.5 | 667                | 70       |          |          |  |
| 179.0          |       |                       |               |                       |           |       |         | - intensely sh. sch. @ 45° or. 75° to cov. rock pred. a ser-carb sch. c well developed reagent fragmental/breccia rk. rk. comprised of at. 40% stretched elongate fol & 5mm to 1 cm qtz/gran app. bright yellow v. strongly carb, seric fracs (alt vng?) in a matrix (60%) of gray vlg. Fe carb (c minor ser) | INTENSE SER-CARB ALT.         | 1%                  | -  | -   | -     | -     | 175.6              | 668      | 33       |          |  |
| 180.0          | 179.0 | 182.0                 | 3.0           | 100%                  |           |       |         | - strongly fractured, pred. fol & @ 0° to cov, c pred. Fe carb, minor qtz frac fill.                                                                                                                                                                                                                          | 40% QZ VNDS.                  |                     |    |     |       | 24    |                    |          |          |          |  |
| 181.0          |       |                       |               |                       |           |       |         | - 10% 5mm - 5cm qtz. Fe carb veins    fol.                                                                                                                                                                                                                                                                    | 176.6                         | 669                 | 56 |     |       |       |                    |          |          |          |  |
| 182.0          | 179.0 | 182.0                 | 3.0           | 100%                  |           |       |         | - contains 2% Py as vlg. diiss min. throughout rk.                                                                                                                                                                                                                                                            | 177.2                         | 670                 | 14 |     |       |       |                    |          |          |          |  |
| 183.0          |       |                       |               |                       |           |       |         | 175.6 - 177.2 M. GRAPHITIC ARGILLITE                                                                                                                                                                                                                                                                          | INTENSE SER-CARB ALT.         | 1%                  | -  | -   | -     | 25    |                    |          |          |          |  |
| 184.0          | 182.0 | 185.0                 | 3.0           | 100%                  |           |       |         | - v. thinly bed. @ 85-90° to cov. dk gray to jet black, mod. graphitic (40%) argillite, c also thin harder sil. arg. interbeds.                                                                                                                                                                               | MOD SERIC.                    | 0.5%                | -  | -   | -     | 178.8 | 671                | 7        |          |          |  |
| 185.0          |       |                       |               |                       |           |       |         | - mod. frac. pred.    bed & @ 0° to cov. c qtz. calc. some Py frac fill.                                                                                                                                                                                                                                      | MOD CALC. ALT.                |                     |    |     |       | 26    |                    |          |          |          |  |
|                |       |                       |               |                       |           |       |         | - 10% 5mm - 1cm qtz vns w/ sub fol. usually contorted, to brecc. in places                                                                                                                                                                                                                                    | PATCHY SIL.                   |                     |    |     |       | 179.0 | 672                | 45       |          |          |  |
|                |       |                       |               |                       |           |       |         | - 3% Py as vlg. diiss min. & occ. semi-mass band w/ fol. & qtz. frac fill.                                                                                                                                                                                                                                    | TR. FUCH.                     |                     |    |     |       | 27    |                    |          |          |          |  |
|                |       |                       |               |                       |           |       |         | - from 176.0 - 176.2. graphitic mud/fault gouge.                                                                                                                                                                                                                                                              |                               |                     |    |     |       | 180.5 | 673                | 45       |          |          |  |
|                |       |                       |               |                       |           |       |         | - from 176.7 - 176.9. locally 50% 1-2 cm qtz vns    fol.                                                                                                                                                                                                                                                      |                               |                     |    |     |       | 182.0 | 674                | 5        |          |          |  |
|                |       |                       |               |                       |           |       |         |                                                                                                                                                                                                                                                                                                               |                               |                     |    |     |       | 183.0 | 675                | 8        |          |          |  |
|                |       |                       |               |                       |           |       |         |                                                                                                                                                                                                                                                                                                               |                               |                     |    |     |       | 183.5 | 676                | 34       |          |          |  |
|                |       |                       |               |                       |           |       |         |                                                                                                                                                                                                                                                                                                               |                               |                     |    |     |       | 185.0 | 677                | 22       |          |          |  |

PROJECT TULLYHOLE DESIGNATION T-91-0SELOGGED BY DUNCAN MCIVORSCALE 1:100PAGE 5 OF 8

| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE<br>(DESCRIPTION)                                                                                                                                                                                                                                                                            | ALTERATION AND VEINING          | MINERAL PERCENTAGES |     |     |     |     | ASSAY GEOCHEMISTRY |          |          |          | LAB |  |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------|-----|-----|-----|-----|--------------------|----------|----------|----------|-----|--|
| FROM           | TO    |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                       |                                 | Py                  | Po  | Cpx | Asb | Oth | As (ppb)           | Ag (ppb) | Sn (ppb) | Bi (ppb) |     |  |
| 185.0          | 185.0 |                       |               |                       |           |     |         | 177.2-177.8 m INTENSELY SER. CARB <sup>+</sup> FRAGMENTAL (BRECCIA) Rock                                                                                                                                                                                                                              | MOD SER-CALC ALT, PATCHY SIL.C. | 0.5%                | -   | -   | -   | -   | 35                 |          |          |          |     |  |
| 186.0          | 186.0 | 3.0                   | 100%          | 70°                   |           |     |         | • strongly fol. sch. @ 45° or. 75° to cax. rock comprised of 60% 1-3 cm elong. "fol" frags of Fe intensely Fe carb. - ser alt bright yellowish-green rk. alt w/lt frags. in gray carbonate-minor ser. matrix. 1% diss Py                                                                              | TR. FUCH.                       | 186.5               | 677 | <5  |     |     |                    |          |          |          |     |  |
| 187.0          | 187.0 |                       |               |                       |           |     |         | • @ 177.2, 10 cm grs vr @ 60° to cax.                                                                                                                                                                                                                                                                 |                                 |                     |     |     |     | 36  |                    |          |          |          |     |  |
| 188.0          | 188.0 | 3.0                   | 100%          |                       |           |     |         | 177.8-194.5 m VARIABLY ALTERED (SER-SIL-CARB) BRECCIATED INT-MAG VOLC/VOLC FRAGMENTAL.                                                                                                                                                                                                                |                                 |                     |     |     |     | 678 | <5                 |          |          |          |     |  |
| 189.0          | 188.0 | 191.0                 | 3.0           | 100%                  |           |     |         | • highly variable appearance & composition.                                                                                                                                                                                                                                                           |                                 |                     |     |     |     | 37  |                    |          |          |          |     |  |
| 190.0          | 189.0 |                       |               |                       |           |     |         | • mod. fol. sch. @ 45° or. 70° to cax.                                                                                                                                                                                                                                                                |                                 |                     |     |     |     | 679 | <5                 |          |          |          |     |  |
| 191.0          | 191.0 |                       |               |                       |           |     |         | • pred. a vhp. granular appearing, light green, relatively hard, mod. sericitic, calcitic, "dolite to aragonite" (tuff?). c. a coarse crud fragmental lith as exhibited by numerous (lo 30%) 1-3 cm bands/fragments of clear gray, more siliceous/silicified rk. & occasional beige Fe carb alt rock. |                                 |                     |     |     |     | 38  |                    |          |          |          |     |  |
| 192.0          | 191.0 | 194.0                 | 3.0           | 100%                  |           |     |         | • entire unit is strongly brecciated by spin.-3cm pred. calc minor grs. Fe carb veins/lenses 1-10% to 15% of unit.                                                                                                                                                                                    |                                 |                     |     |     |     | 680 | <5                 |          |          |          |     |  |
| 193.0          | 192.0 |                       |               |                       |           |     |         | • intensely fractured, pred. 11 fol. & pred. calcite. Some grs. Fe carb. chl. ser. hematite frac fill                                                                                                                                                                                                 |                                 |                     |     |     |     | 39  |                    |          |          |          |     |  |
| 194.0          | 193.0 |                       |               |                       |           |     |         | • contains 0.5% Py as very diss min. fractill. & min. ass. as gr veins                                                                                                                                                                                                                                |                                 |                     |     |     |     | 681 | <5                 |          |          |          |     |  |
| 195.0          | 194.0 | 197.0                 | 3.0           | 100%                  |           |     |         | • @ 178.4, 1cm Fe carb vr 11 fol. = 1% spin fibbs to 3mm.                                                                                                                                                                                                                                             |                                 |                     |     |     |     | 40  |                    |          |          |          |     |  |
| 196.0          | 195.0 |                       |               |                       |           |     |         | • from 182.0-183.0, 30% 1-3 cm chaotic qip. Fe carb grs. 11 fol. locally & 2% ass. hematite along margins                                                                                                                                                                                             |                                 |                     |     |     |     | 682 | <5                 |          |          |          |     |  |
| 197.0          | 196.0 |                       |               |                       |           |     |         | • @ 183.2, clear tachsite alt frags. & thin rockslide seams 11 fol.                                                                                                                                                                                                                                   |                                 |                     |     |     |     | 41  |                    |          |          |          |     |  |
| 198.0          | 197.0 |                       |               |                       |           |     |         | • from 192.5-194.5, numerous intensely carb spin. held w/lt frags                                                                                                                                                                                                                                     |                                 |                     |     |     |     | 683 | 7                  |          |          |          |     |  |
| 199.0          | 198.0 |                       |               |                       |           |     |         | • sharp contact @ 194.5 marked by 5 cm magnetite vr & 2cm spiniferous lit's zone @ 45° to cax.                                                                                                                                                                                                        |                                 |                     |     |     |     | 42  |                    |          |          |          |     |  |
| 200.0          | 197.0 | 200.0                 | 3.0           | 100%                  |           |     |         | 194.5-203.6 m INTENSELY TALC ALTERED UM. (GOM. Flow)                                                                                                                                                                                                                                                  |                                 |                     |     |     |     | 684 | 9                  |          |          |          |     |  |
|                |       |                       |               |                       |           |     |         | • vhp. apoph. dk green, massive to crudely fol. @ 45° or. 30° to cax. 4V soft, intensely talc alt um. komatiite.                                                                                                                                                                                      |                                 |                     |     |     |     | 43  |                    |          |          |          |     |  |
|                |       |                       |               |                       |           |     |         | • intensely fractured, to v. strongly brecciated by brachytes. @ all or. (prominent sel + fol.) & pred. talc-magnetite machit.                                                                                                                                                                        |                                 |                     |     |     |     | 685 | 5                  |          |          |          |     |  |
|                |       |                       |               |                       |           |     |         | • 15% talc-magnetite veins to 2cm. av. smth. @ all or.                                                                                                                                                                                                                                                |                                 |                     |     |     |     | 44  |                    |          |          |          |     |  |
|                |       |                       |               |                       |           |     |         | • non-magnetic.                                                                                                                                                                                                                                                                                       |                                 |                     |     |     |     | 686 | 13                 |          |          |          |     |  |
|                |       |                       |               |                       |           |     |         | • contains 1% Py as very diss min. throughout unit. & as frac fill.                                                                                                                                                                                                                                   |                                 |                     |     |     |     | 45  |                    |          |          |          |     |  |
|                |       |                       |               |                       |           |     |         | • from 194.5-195.2, v. strongly brecciated. & strongly fol @ 50° to cax. locally clear spiniferous lit's frags (flow top).                                                                                                                                                                            |                                 |                     |     |     |     | 687 | <5                 |          |          |          |     |  |
|                |       |                       |               |                       |           |     |         | • from 196.3-197.0, locally 2% Py                                                                                                                                                                                                                                                                     |                                 |                     |     |     |     | 46  |                    |          |          |          |     |  |
|                |       |                       |               |                       |           |     |         | • from 203.4-203.6, intensely sheared lower contact @ 40° to cax.                                                                                                                                                                                                                                     |                                 |                     |     |     |     | 688 | 6                  |          |          |          |     |  |

PROJECT TULLYHOLE DESIGNATION T-91-05ELOGGED BY DUNCAN MCIVORSCALE 1:100PAGE 6 OF 8

| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE (DESCRIPTION) | ALTERATION and VEINING | MINERAL PERCENTAGES |    |     |      |       | ASSAY GEOCHEMISTRY |       | LAB |    |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|-------------------------|------------------------|---------------------|----|-----|------|-------|--------------------|-------|-----|----|
| FROM           | TO    |                       |               |                       |           |     |         |                         |                        | Py                  | Po | Cpx | AsPy | Other | Au (ppb)           |       |     |    |
| 200.0          | 201.0 |                       |               |                       |           |     |         |                         | INTENSE TALC ALT.      |                     |    |     |      |       |                    |       |     |    |
| 201.0          | 202.0 | 200.0                 | 203.0         | 3.0                   | 100%      |     | 50°     |                         |                        |                     |    |     |      |       |                    | 200.5 | 691 | <5 |
| 202.0          | 203.0 |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 50    |     |    |
| 203.0          | 204.0 | 203.0                 | 206.0         | 3.0                   | 100%      |     |         |                         |                        |                     |    |     |      |       |                    | 201.5 | 692 | <5 |
| 204.0          | 205.0 |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 51    |     |    |
| 205.0          | 206.0 | 203.0                 | 206.0         | 3.0                   | 100%      |     |         |                         |                        |                     |    |     |      |       |                    | 202.5 | 693 | <5 |
| 206.0          | 207.0 |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 52    |     |    |
| 207.0          | 208.0 | 206.0                 | 209.0         | 3.0                   | 100%      |     |         |                         |                        |                     |    |     |      |       |                    | 203.6 | 694 | <5 |
| 208.0          | 209.0 |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 53    |     |    |
| 209.0          | 210.0 | 209.0                 | 212.0         | 3.0                   | 100%      |     |         |                         |                        |                     |    |     |      |       |                    | 204.6 | 695 | <5 |
| 210.0          | 211.0 |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 54    |     |    |
| 211.0          | 212.0 | 209.0                 | 212.0         | 3.0                   | 100%      |     |         |                         |                        |                     |    |     |      |       |                    | 205.6 | 696 | 5  |
| 212.0          | 213.0 |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 55    |     |    |
| 213.0          | 214.0 | 212.0                 | 215.0         | 3.0                   | 100%      |     |         |                         |                        |                     |    |     |      |       |                    | 206.6 | 697 | <5 |
| 214.0          | 215.0 |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 56    |     |    |
| 215.0          |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 207.6 | 698 | <5 |
|                |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 57    |     |    |
|                |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 208.6 | 699 | 7  |
|                |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 58    |     |    |
|                |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 209.5 | 700 | <5 |
|                |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 59    |     |    |
|                |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 210.0 | 701 | 6  |
|                |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 60    |     |    |
|                |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 211.0 | 702 | <5 |
|                |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 61    |     |    |
|                |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 212.0 | 703 | <5 |
|                |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 62    |     |    |
|                |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 213.0 | 704 | <5 |
|                |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 63    |     |    |
|                |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 214.0 | 705 | 5  |
|                |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 64    |     |    |
|                |       |                       |               |                       |           |     |         |                         |                        |                     |    |     |      |       |                    | 215.0 | 706 | 5  |

PROJECT TULLYHOLE DESIGNATION T-91-0SELOGGED BY DUNCAN MCIVORSCALE 1:100PAGE 7 OF 8

| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE     | RQD  | GRAPHIC | ROCK TYPE<br>(DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ALTERATION AND VENNING                       | MINERAL PERCENTAGES |    |     |      |       | DEPTH 215.0 | SAMPLE NUMBER | ASSAY GEOCHEMISTRY |    |  |  |  |
|----------------|-------|-----------------------|---------------|-----------------------|---------------|------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------|----|-----|------|-------|-------------|---------------|--------------------|----|--|--|--|
| FROM           | TO    |                       |               |                       |               |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              | Pg                  | Po | Cpy | AsPy | Other |             |               | Ag (ppm)           |    |  |  |  |
| 215.0          | 218.0 | 3.0                   | 100%          | 65°                   |               | 10   |         | 209.5 - 223.5 M CONTINUED.<br><br>From 209.5-209.9, locally 5% diss Py, 15% thin carbonated qtz-Fe carb vns 11 fol.<br>From 211.3-211.5, num. 1-2 cm spinifer ht'd alt w/ clasts.<br>From 213.0-214.5, wky carbonaceous-graphitic matrix, locally 3% Py as stretched nodular app. blebs to 1cm.<br>@ 214.2, a few 1cm fuchsite alt fracs/clasts.<br>@ 214.7, 214.8, a few 1cm calcite-qtz-fuchsite (5%) vns @ all orientations.<br>From 216.3-216.6, locally 30% thin (to 2 cm) qtz-carb vns 11 fol, & 1% Py, tr. fuchsite - locally host is carb, bleached.<br>@ 218.6, several 1cm spinifer ht'd alt w/ fracs.<br>@ 219.3, a few 1cm Fe carb-fuchsite vns 11 subl. fol.<br>@ 223.0, a few thin fuchsite filled fracs.<br>arbitrary contact @ 223.5 = underlying more intensely altered unit. | MOD. CARB + 10% QC VEINS.                    | 22                  | -  | -   | -    | -     | TR. FUCH.   | 216.0         | 707                | 5  |  |  |  |
| 216.0          | 217.0 |                       |               |                       |               |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                     |    |     |      |       | 217.0       | 708           | <5                 |    |  |  |  |
| 217.0          | 218.0 |                       |               |                       |               |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                     |    |     |      |       | 218.0       | 709           | <5                 |    |  |  |  |
| 218.0          | 219.0 |                       |               |                       |               |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                     |    |     |      |       | 219.0       | 710           | <5                 |    |  |  |  |
| 219.0          | 220.0 |                       |               |                       |               |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                     |    |     |      |       | 220.0       | 711           | <5                 |    |  |  |  |
| 220.0          | 221.0 |                       |               |                       |               |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                     |    |     |      |       | 221.0       | 712           | <5                 |    |  |  |  |
| 221.0          | 222.0 |                       |               |                       |               |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                     |    |     |      |       | 222.0       | 713           | <5                 |    |  |  |  |
| 222.0          | 223.0 |                       |               |                       |               |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                     |    |     |      |       | 223.0       | 714           | <5                 |    |  |  |  |
| 223.0          | 224.0 |                       |               |                       |               |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                     |    |     |      |       | 223.0       | 715           | 23                 |    |  |  |  |
| 224.0          | 225.0 |                       |               |                       |               |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                     |    |     |      |       | 224.0       | 716           | <5                 |    |  |  |  |
| 224.0          | 227.0 | 3.0                   | 100%          | 68°                   |               | 11   |         | 223.5-225.8 M STRONGLY SH. SER. CARB SLTS-CRNUK.<br><br>Thinly banded, bedded appearing, & strongly sch. @ av. or. 60° to carb, though ranges 45°-60° to carb.<br>pred. bright yellowish green, vlg. y-granular, v. strongly sericitized, mod. carb, graywacke.<br>crudely rounded, & alternating thin yellow sericitic vs. gray carbonate rich band - may be remnant frag. RT.<br>mod. fractured, @ all orientations, & pred. Fe carb, some are ser. frac. fill.<br>contains 0.25% Py as minor frac fill.<br>@ 225.7, 5 cm breccia qtz-Fe carb vns 11 fol.                                                                                                                                                                                                                                    | STRONGLY SER. CARB MOD. CARB + 0-25% 11 fol. | 23                  | -  | -   | -    | -     | TR. FUCH.   | 222.0         | 717                | <5 |  |  |  |
| 225.0          | 226.0 |                       |               |                       |               |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                     |    |     |      |       | 225.0       | 718           | <5                 |    |  |  |  |
| 226.0          | 227.0 |                       |               |                       |               |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                     |    |     |      |       | 226.0       | 719           | 29                 |    |  |  |  |
| 227.0          | 228.0 |                       |               | 60°                   | RUBBLE FAULT- | 15   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                     |    |     |      |       | 227.0       | 720           | <5                 |    |  |  |  |
| 228.0          | 229.0 |                       |               | 60°                   | RUBBLE        | > 50 |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                     |    |     |      |       | 228.0       | 721           | <5                 |    |  |  |  |
| 229.0          | 230.0 | 3.0                   | 100%          | 60°                   | RUBBLE        |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                     |    |     |      |       | 229.0       | 722           | <5                 |    |  |  |  |
| 230.0          |       |                       |               |                       |               |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                     |    |     |      |       | 230.0       | 723           | 80                 |    |  |  |  |

PROJECT TULLY HOLE DESIGNATION T-91-0SE LOGGED BY DUNCAN MCIVOR SCALE 1:100 PAGE 8 OF 8

| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE              | RQD | GRAPHIC | ROCK TYPE<br>(DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ALTERATION AND<br>VEINING                   | MINERAL PERCENTAGES |    |     |      |   |     | DEPTH | SAMPLE NUMBER     | ASSAY GEOCHEMISTRY |    |  |  |  | LAB |
|----------------|-------|-----------------------|---------------|-----------------------|------------------------|-----|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------|----|-----|------|---|-----|-------|-------------------|--------------------|----|--|--|--|-----|
| FROM           | TO    |                       |               |                       |                        |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                             | Pg                  | Po | Cpy | AsPy | - | OTH |       |                   | Au (ppb)           |    |  |  |  |     |
| 230.0          |       |                       |               |                       |                        |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                             |                     |    |     |      |   |     | 230.0 |                   |                    |    |  |  |  |     |
| 231.0          | 230.0 | 233.0                 | 2.5           | 83%                   | 60°<br>RUBBLE<br>FAULT | 25  |         | 228.4 - 235.0 M BASALT.<br>- light grayish green, vlg. vlline, wldy fol. sch. @ 60° to cat.<br>- strongly fractured, to brecciated by frags in places, pred.<br>" fol, 2 pred. calcite, some qtz - chl frac fill.<br>- 15% secondary < 5mm to 2 cm pred. calcite min 1 qtz-<br>Fe carb vns    fol.<br>- only trace Py as minor frac fill.<br>- from 228.8 - 229.0, rubble zone<br>- from 230.5 - 233.0, rubble, v. strongly sh @ highly<br>variable orientations 0-60° to cat.<br>- from 234.0 - 235.0, 5% diss lexs to 3mm. | WKL4 CHL <sup>2</sup> .<br>15% CALC. VEINS. | TR.                 |    |     |      |   |     |       | 231.0             | 723 <sup>81</sup>  | <5 |  |  |  |     |
| 232.0          |       |                       |               |                       |                        |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                             |                     |    |     |      |   |     | 232.0 | 724 <sup>82</sup> | <5                 |    |  |  |  |     |
| 233.0          | 233.0 | 235.0                 | 2.0           | 100%                  | 7                      |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                             |                     |    |     |      |   |     | 233.0 | 725 <sup>83</sup> | <5                 |    |  |  |  |     |
| 234.0          |       |                       |               |                       |                        |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                             |                     |    |     |      |   |     | 234.0 | 726 <sup>84</sup> | <5                 |    |  |  |  |     |
| 235.0          |       |                       |               |                       |                        |     |         | HOLE ENDS @ 235.0M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Duncan McIvor                               |                     |    |     |      |   |     | 235.0 | 727 <sup>85</sup> | <5                 |    |  |  |  |     |



# HOMESTAKE MINERAL DEVELOPMENT CO.

## DIAMOND DRILL LOG

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PROJECT TULLY ELEVATION 0  
HOLE DESIGNATION T-91-06 AZIMUTH 180°  
NTS 42A/14 DIP -50°  
CLAIM  LENGTH OF HOLE 137.0M  
EASTING L16+00E (IMPERIAL GRID) CORE DIAMETER NQ  
NORTHING 8+00N

CONTRACTOR NOREX  
DATE STARTED FEBRUARY 24, 1991  
DATE FINISHED FEBRUARY 26, 1991  
LOGGED BY DUNCAN MCIVOR  
DATE FEBRUARY, 1991  
SCALE 1:100

| <u>TEST DEPTH</u> | <u>IMPERIAL GRID</u>               |
|-------------------|------------------------------------|
| <u>AZIMUTH</u>    | 0°      354°      75M      137M    |
| <u>DIP</u>        | -50°      -49°      -48°      -48° |



# HOMESTAKE MINERAL DEVELOPMENT CO.

## **DIAMOND DRILL LOG**

Page 1A of 9

|                                 |                      |
|---------------------------------|----------------------|
| PROJECT <u>TULLY</u>            | ELEVATION _____      |
| HOLE DESIGNATION <u>T-91-06</u> | AZIMUTH _____        |
| NTS _____                       | DIP _____            |
| CLAIM _____                     | LENGTH OF HOLE _____ |
| EASTING _____                   | CORE DIAMETER _____  |
| NORTHING _____                  |                      |

**CONTRACTOR** \_\_\_\_\_  
**DATE STARTED** \_\_\_\_\_  
**DATE FINISHED** \_\_\_\_\_  
**LOGGED BY** \_\_\_\_\_  
**DATE** \_\_\_\_\_  
**SCALE** \_\_\_\_\_

**TEST DEPTH** \_\_\_\_\_  
**AZIMUTH** \_\_\_\_\_  
**DIP** \_\_\_\_\_

PROJECT TULLY

HOLE DESIGNATION T-91-06

LOGGED BY DUNCAN MCIVOR

SCALE 1:100

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PROJECT Tony

HOLE DESIGNATION T-91-06

LOGGED BY DUNCAN MCIVOR

SCALE 1:1000

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| DRILL INTERVAL |      | RECOVERED LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | ROD | GRAPHIC | ROCK TYPE (DESCRIPTION) | ALTERATION and VENING                             | MINERAL PERCENTAGES |      |     |      |   | DEPTH 45.0 | SAMPLE NUMBER | ASSAY GEOCHEMISTRY |              |      |       |  |
|----------------|------|------------------|---------------|-----------------------|-----------|-----|---------|-------------------------|---------------------------------------------------|---------------------|------|-----|------|---|------------|---------------|--------------------|--------------|------|-------|--|
| FROM           | TO   |                  |               |                       |           |     |         |                         |                                                   | Pg                  | Po   | Cpy | AsPy | - | Oth.       |               | Au (ppb)           | Au SFA (ppb) | LAB  |       |  |
| 45.0           |      |                  |               |                       |           |     |         |                         |                                                   |                     |      |     |      |   |            |               |                    |              |      |       |  |
| 46.0           | 47.0 | 3.0              | 100%          | 35°                   |           | 8   |         |                         | STRONGLY CHL <sup>+</sup> , MOD CARB <sup>+</sup> | 1%                  | .    | .   | .    | . | .          | 46.0          | 3794               | 02           | <5   |       |  |
| 47.0           |      |                  |               |                       |           |     |         |                         |                                                   |                     |      |     |      |   |            |               | 3795               | 03           | <5   |       |  |
| 47.0           | 48.0 | 3.0              | 100%          | 20-35°                |           | 4   |         |                         |                                                   |                     |      |     |      |   |            | 47.0          | 3796               | 04           | <5   |       |  |
| 48.0           | 49.0 | 3.0              | 100%          |                       |           |     |         |                         | MOD CHL-SER ALT, MOD CARB ALT                     | 1%                  | .    | .   | .    | . | .          | 48.0          | 3797               | 05           | <5   |       |  |
| 49.0           |      |                  |               |                       |           |     |         |                         | STRONG CARB ALT.                                  | 1%                  | .    | .   | .    | . | .          | 49.0          | 3798               | 06           | <5   |       |  |
| 50.0           |      |                  |               |                       |           |     |         |                         |                                                   |                     |      |     |      |   |            | 50.0          | 3799               | 07           | <5   |       |  |
| 51.0           | 52.0 | 3.0              | 100%          | 35-45°                | 45°       | 3   |         |                         | INTENSE Fe CARB-SER ALT                           | 2%                  | .    | .   | .    | . | .          | 51.4          | 3800               | 08           | <5   |       |  |
| 52.0           |      |                  |               |                       |           |     |         |                         |                                                   | 3%                  | .    | .   | .    | . | .          | 52.0          | 4001               | 09           | <5   |       |  |
| 53.0           |      |                  |               |                       |           |     |         |                         |                                                   |                     |      |     |      |   |            | 52.5          | 4002               | 10           | 113  |       |  |
| 53.0           | 54.0 | 3.0              | 100%          | 50°                   |           |     |         |                         |                                                   |                     |      |     |      |   |            | 53.0          | 4003               | 11           | 1352 | 1.294 |  |
| 54.0           | 55.0 | 3.0              | 100%          | 50°                   |           |     |         |                         |                                                   |                     |      |     |      |   |            | 53.3          | 4004               | 12           | 265  |       |  |
| 55.0           | 56.0 | 3.0              | 100%          | 50°                   | RUBBLE    | >50 |         |                         |                                                   |                     |      |     |      |   |            | 53.7          | 4005               | 13           | 62   |       |  |
| 56.0           |      |                  |               |                       |           |     |         |                         | Wk SER ALT.                                       | 3%                  | .    | .   | .    | . | .          | 56.4          | 4006               | 14           | 15   |       |  |
| 57.0           | 58.0 | 3.0              | 100%          | 50-60°                |           | 7   |         |                         |                                                   | 10% GRAPH           | 55.0 | .   | .    | . | .          |               | 4007               | 15           | 9    |       |  |
| 58.0           |      |                  |               | 60°                   |           |     |         |                         |                                                   |                     |      |     |      |   |            | 56.8          | 4008               | 16           | 15   |       |  |
| 59.0           |      |                  |               |                       |           |     |         |                         | STRONG SER ALT.                                   | 5%                  | .    | .   | .    | . | .          | 58.4          | 4009               | 17           | 82   |       |  |
| 59.0           | 60.0 | 3.0              | 100%          | 60°                   | 60°       | 8   |         |                         | W STRONG SER-CALC ALT.                            | 4%                  | .    | .   | 1%   | . | .          | 59.0          | 4010               | 18           | 125  |       |  |
| 59.0           |      |                  |               |                       |           |     |         |                         |                                                   |                     |      |     |      |   |            | 59.2          | 4011               | 19           | 677  |       |  |

**PROJECT** Tully

HOLE DESIGNATION T-91-06

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SCALE 1:100

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PROJECT Tony

HOLE DESIGNATION T-91-06

LOGGED BY DUNCAN MCIVOR

SCALE 1:100

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| DRILL INTERVAL |      | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | ROD | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ALTERATION and VENNING     | MINERAL PERCENTAGES |    |     |      |                         | ASSAY GEOCHEMISTRY      |                         |                         | LAB  |       |  |
|----------------|------|-----------------------|---------------|-----------------------|-----------|-----|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------|----|-----|------|-------------------------|-------------------------|-------------------------|-------------------------|------|-------|--|
| FROM           | TO   |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                            | Py                  | Ps | Cpy | AsPy | Oth.                    | Au (ppb)                | An (ppb)                | Fe (ppb)                |      |       |  |
| 60.0           |      |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                            |                     |    |     |      |                         |                         |                         |                         |      |       |  |
| 59.0           | 62.0 | 3.0                   | 100%          | 60°                   |           | 8   |         | 61.0-62.5 M SILSTONE - GRAYWACKE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | STRONG CARB ACT            | 0.5%                |    |     | TR.  |                         | 60.5 4011 <sup>14</sup> | 677                     |                         |      |       |  |
| 61.0           |      |                       |               | 50°                   |           |     |         | - crudely bedded. @ 60° to cax, vfg, v.granular, light brown hard, siliceous siltstone, wky serc calcitic.<br>- strongly fractured, to brecciated by fract in places, @ wky preferred orientation 60-80° to cax, > qtz, Fe carb, calc.<br>Some graphite frachill.<br>- average sulphide content: 0.5% Py, tr. Cpy, AsPy, pred. as halos on & associated w thin dr. carb vns & filled fract.<br>@ 61.9, 5 mm qtz-carb vn @ 50° to cax & hem, Py halo (<10 Py/10 cm)<br>- @ 62.1, 3 cm qtz-min Fe carb vn @ 20° to cax & 2% Py, 0.5% AsPy, & tr. Cpy as 10 cm halo on vn.                                                                                                                                                                                                                                                                                                                                                         | 5%                         |                     |    |     |      |                         |                         |                         | 61.0 4012 <sup>20</sup> | 3424 | 3.510 |  |
| 62.0           |      |                       |               | 50°                   |           | 15  |         | 62.5-63.7 M BRECCIATED (SLUMPED) SILSTONE/ALT. VOLC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MOD SER. CALC ACT.         | 0.5%                | .  | TR  | TR.  | .                       | 62.0 4013 <sup>21</sup> | 11                      |                         |      |       |  |
| 63.0           |      |                       |               | 55°                   |           |     |         | - strongly fol. @ 50° to cax, rock comprised of 75% <1-3 cm dk gray to brownish gray, vfg, granular, strongly carb, wky serc frags - looks like siltstone, but > 3% dr. carb vns, could be volcanic & not a volcanoclastic frags along "fol".<br>in a dk gray, silica-graphite-chlorite matrix, as thin seams "fol" to 25% rock.<br>- strongly fractured, pred. "fol", 2 graph. chl. ser. qtz frac fill.<br>- average sulphide content: 0.5% Py as frac fill & vfg dissemin.<br>- @ 63.4, 5 cm qtz vn @ 30° cax & 1% hem, Py as margins                                                                                                                                                                                                                                                                                                                                                                                         | STRONG CARB, MOD SER. ACT. | 0.5%                | -  | -   | -    |                         |                         |                         | 63.7 4014 <sup>22</sup> | 67   |       |  |
| 64.0           |      |                       |               |                       |           |     |         | 63.7-71.0 M INTERBEDDED GRAYWACKE-SILTSTONE - ARGILLITE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                            |                     |    |     |      |                         |                         |                         |                         |      |       |  |
| 65.0           |      |                       |               |                       |           |     |         | - v. well developed bedding, @ 55° to cax. - variable, interbedded units to 30-40cm, av. 5-10 cm, of:<br>1) dk gray, v. siliceous, vfg "siltstone", occasionally > 1-2% small rock frags.<br>2) more frag rich graywacke, comprised of a soft, light gray, serrated calcitic "siltstone" matrix, > 20-30% rk frags to 1cm along "fol" of pred black argillite (70%), purple (10%) & other liths (20%).<br>3) black, finely bedded, often v. hard siliceous, wky carbonaceous argillite.<br>- = equal portions all 3 units.<br>- all units are strongly fractured pred. "fol", > qtz chl. graph. carb. Py frac fill.<br>- about 20-30 cm swamp brecciated zones.<br>- average sulphide content: 3% Py, as vfg plus min. in all units, & large frags to 1cm in wacke.<br>- from 64.1-64.3, slumped, brecciated.<br>- from 64.0-65.0, locally minor hemimic. frac fill.<br>- from 68.0, becomes pred. graywacke, Py reduced to 2%. |                            |                     |    |     |      |                         |                         | 65.0 4015 <sup>23</sup> | 62                      |      |       |  |
| 66.0           |      |                       |               |                       |           | 20  |         | 68.0-71.0 M INTERBEDDED ARGILLITE-GRAYWACKE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | MINOR CARB                 | 3%                  | .  | .   | .    | .                       | 66.0 4016 <sup>24</sup> | 92                      |                         |      |       |  |
| 67.0           |      |                       |               |                       |           |     |         | - as above. Finely fol @ 55° to cax, & locally 2% Py, 1% AsPy as bg dissemin. halos in 10-20 thin (3mm) qtz-carb vns                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            |                     |    |     |      | 67.0 4017 <sup>25</sup> | 45                      |                         |                         |      |       |  |
| 68.0           |      |                       |               |                       |           | 30  |         | 71.0-74.0 M MIN. INTERBEDDED ARGILLITE-GRAYWACKE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MAJOR CARB                 | 2%                  | .  | .   | .    |                         | 68.0 4018 <sup>26</sup> | 5                       |                         |      |       |  |
| 69.0           |      |                       |               |                       |           |     |         | - as above. Finely fol @ 55° to cax, & locally 2% Py, 1% AsPy as bg dissemin. halos in 10-20 thin (3mm) qtz-carb vns                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            |                     |    |     |      | 70.0 4019 <sup>27</sup> | 35                      |                         |                         |      |       |  |
| 70.0           |      |                       |               |                       |           |     |         | 71.0 4020 <sup>28</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 9                          |                     |    |     |      |                         | 71.0 4021 <sup>29</sup> | 6                       |                         |      |       |  |
| 71.0           |      |                       |               |                       |           |     |         | 71.0 4022 <sup>30</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 16                         |                     |    |     |      |                         | 71.0 4023 <sup>31</sup> | 732                     |                         |      |       |  |
| 72.0           |      |                       |               |                       |           |     |         | 71.0-74.0 M MIN. INTERBEDDED ARGILLITE-GRAYWACKE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | STRONGLY SER. CARB W.      | 1%                  | -  | -   | 1%   | .                       | 71.0 4024 <sup>32</sup> | 106                     |                         |      |       |  |
| 73.0           |      |                       |               |                       |           |     |         | - as above. Finely fol @ 55° to cax, & locally 2% Py, 1% AsPy as bg dissemin. halos in 10-20 thin (3mm) qtz-carb vns                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            |                     |    |     |      | 73.0 4025 <sup>33</sup> | 41                      |                         |                         |      |       |  |
| 74.0           |      |                       |               |                       |           |     |         | 74.0-77.0 M MIN. INTERBEDDED ARGILLITE-GRAYWACKE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                            |                     |    |     |      |                         | 74.0 4026 <sup>34</sup> | 162                     |                         |      |       |  |
| 75.0           |      |                       |               |                       |           |     |         | - as above. Finely fol @ 55° to cax, & locally 2% Py, 1% AsPy as bg dissemin. halos in 10-20 thin (3mm) qtz-carb vns                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            |                     |    |     |      | 75.0 4027 <sup>35</sup> | 67                      |                         |                         |      |       |  |

PROJECT Tulip

HOLE DESIGNATION T-91-06

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— SCALE —

1:100

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PROJECT TULLY

HOLE DESIGNATION T-91-06

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SCALE 1:100

— 1 —

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | ROD | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ALTERATION and VENING                                                         | MINERAL PERCENTAGES |    |     |      |     | ASSAY GEOCHEMISTRY |      |      | LAB  |    |   |  |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------|----|-----|------|-----|--------------------|------|------|------|----|---|--|
| FROM           | TO    |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                               | Py                  | Po | Cpy | AsPy | OTH | Ag (ppb)           |      |      |      |    |   |  |
| 89.0           | 92.0  | 3.0                   | 100%          | 65°                   |           | 10  |         | B2.0-97.0M CONTINUED<br>- locally crop B2.7-83.5, 5% hematite-limonite fractill & thin<br>seams    fol., 5% graphic fractill & thin seams    fol.,<br>locally 2% diss Py.<br>- by 90.0M, coarsens, > 1-5 cm bright yellow lg carbonate<br>fragments in carbonate matrix, resembles a solution<br>breccia in places, conglomeratic appearing in places,<br>begin seeing trace - 0.25% diss black 1-2mm sph.<br>Webs.<br>- from 95.5-95.7, thin graphic seams @ 20-30° to cov to<br>20% rk.                                                                                                                                                                                                                                                                        | INTENSE<br>Fe CARB<br>ALT.<br>MOD SER.<br>ALT.                                | 1%                  | .  | .   | .    | .   | Ti2<br>sph         | 90.0 | 4041 | 49   | 10 |   |  |
| 92.0           | 95.0  | 3.0                   | 100%          |                       |           | 10  |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                               |                     |    |     |      |     | 91.0               | 4042 | 50   | 12   |    |   |  |
| 95.0           | 98.0  | 3.0                   | 100%          |                       |           | 750 | RUBBLE  | 97.0-98.0M GRAPHIC BRECCIA.<br>- no apparent foliation, rock comprised of a jet black v.<br>hard, siliceous, graphic (30%) "siltstone" matrix, > 40%<br>< 1cm - 1cm angular fragments of qtz, qtz-carb vns (30%)<br>of (qqs) & angular graph siltstone (20%) frags.<br>- 1% vlg diss Py, 5%, thin qtz-carb vns to 1cm @ all or.,<br>trace hematite fractill.                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                               |                     |    |     |      |     |                    |      | 92.0 | 4043 | 51 | 6 |  |
| 98.0           | 101.0 | 3.0                   | 100%          | 60°                   |           | 15  |         | 98.0-102.8M QTZ-CARB BRECCIA/AGGLOM/conglom.<br>- vlg to mod. foliated @ 60° to cov<br>- rock comprised of a vlg, v. soft, light green, strongly<br>chloritized, weakly sericitized groundmass /matrix, ><br>25% angular to rounded fragments of pred. Fe carb, to<br>2cm. av. 1cm. 5% qtz frags. 5% lithic rk<br>frags (silicate). looks like a coarse cong/agglom, but<br>may be a breccia.<br>- entire unit is intensely fractured, > 20%, 1-5 mm qtz-fe<br>carb filled frags & veins @ all orientations. often "re-<br>brecciating" rock. some strong ser alt halos on frags.<br>- few (< 5%) thin graphic-chloritic seams/inbeds to<br>2 cm    fol.<br>- 1% diss Py usually > qtz-carb frags & as fractill.<br>- @ 102.3, 3 cm carb spinifex like vlg frag. | STRONGLY<br>CHL <sup>2</sup> ,<br>WLLY<br>SERIC.<br>35% QTZ-<br>CARB<br>FRACS | 1%                  | .  | .   | .    | .   | Ti2<br>sph         | 93.0 | 4044 | 52   | <5 |   |  |
| 101.0          | 104.0 | 3.0                   | 100%          |                       |           | 10  |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                               |                     |    |     |      |     | 94.0               | 4045 | 53   | 26   |    |   |  |
| 104.0          | 107.0 | 3.0                   | 100%          | 65°                   |           | 9   |         | 102.8-106.4M INTERBEDDED GRAPHIC & SERICIC ARGILLITE.<br>- thinly bedded. v. well dev @ 65° to cov, though highly folded<br>in places, interbedded soft black weakly graphic (15%) arg<br>(to 30% unit), light green, soft sericitic, argillite (40% unit)<br>& light green, wlkly ser., calcareous coarser vlg siltstone (30%).<br>- only wlkly brcc, pred. 20-30° to cov. Fe carb fractill.<br>- 1% Py as occ. halo by 5mm along    fol. vlg diss min. &<br>mineral fractill.                                                                                                                                                                                                                                                                                  | WLLY SER.<br>CARB ALT<br>OR 30% E<br>INTERBEDS.                               | 1%                  |    |     |      |     | MUNIC<br>GRAPH     | 95.0 | 4051 | 54   | 9  |   |  |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                               |                     |    |     |      |     | 104.0              | 4055 | 55   | 9    |    |   |  |

PROJECT TULLYHOLE DESIGNATION T-91-06LOGGED BY DUNCAN MCIVORSCALE 1:100PAGE 7 OF 9

| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE   | STRUCTURE | ROD | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ALTERATION AND VENING          | MINERAL PERCENTAGES |    |     |      |     | ASSAY GEOCHEMISTRY |          |          | LAB      |  |
|----------------|-------|-----------------------|---------------|-------------------------|-----------|-----|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------|----|-----|------|-----|--------------------|----------|----------|----------|--|
| FROM           | TO    |                       |               |                         |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                | P4                  | Po | Cpy | AsPy | OTH | Au (ppb)           | Ag (ppb) | Co (ppb) | Ni (ppb) |  |
| 105.0          |       |                       |               |                         |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |                     |    |     |      |     |                    |          |          |          |  |
| 106.0          | 107.0 | 3.0                   | 100%          | 65°<br>cut c.           | 9         |     |         | 106.4 - 108.3 M CONGLOMERATE (AGGLOMERATE?)<br>- strongly foliated, schistose, ranging from 50° @ 106.4M, to 15° @ 108.3;<br>- rock comprised pred. of a vfg, bright light green, soft, v. strongly sericitized "Wacke" type matrix, & variable clast content, averages ~ 40% - poorly sorted, clast size range in size from 1-2cm to < 1cm, pred. angular to sub-rounded.<br>- majority of clasts (>90%) are similar appearing, vfg, v. strongly sericitized rk (wacke? volc?), albit. apposite harder carb-ser alt frags, clear qtz in frags; unit appears to be crudely graded, thinning downhole.<br>- matrix from 106.4 - 107.2 is older gray, more chloritic & wky carbonaceous<br>- almost a "sericite sch" in places, & ser alt & shearing overprinting const. hist.<br>- wky fractured, @ all or., & pred. calc, some Fe carb frac fill.<br>- 1% py diss Py both in frags & matrix, & trace 0.25% vfg diss black min - sphalerite? | Wk SER-CARB ALT. SOME INTBEDS. | 1%                  | -  | -   | -    | -   | 105.5 4056 63 9    |          |          |          |  |
| 107.0          |       |                       |               | 50°<br>folio?           | 9         |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | STRONGLY SER. SEQ.             | 1%                  | -  | -   | -    | -   | 106.4 4056 40      |          |          |          |  |
| 108.0          | 109.0 | 3.0                   | 100%          | 15°<br>15-25°<br>folio? | 9         |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MOD SER ALT.                   | 0.5%                | -  | -   | -    | -   | 108.3              |          |          |          |  |
| 109.0          |       |                       |               |                         |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | V-STRONG SER. ALT.             | 1%                  | -  | -   | -    | -   | 109.0 4057 6       |          |          |          |  |
| 110.0          |       |                       |               |                         |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TR. FRC.                       |                     |    |     |      |     | 110.0 4058 45      |          |          |          |  |
| 111.0          | 112.0 | 3.0                   | 100%          |                         | 8         |     |         | 108.3 - 109.0 M INTERBEDDED GRAPHITIC & SERICITIC ARGILLITE.<br>- thinly interbedded, @ 20° to cov, at interbedded graphitic & sericitic argillite, locally & 20% 1-2 cm, v. contorted to brecciated pink to white Fe carb vns @ all or., only 0.5% py as frac fill, minor vfg diss min.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |                     |    |     |      |     | 111.0 4059 45      |          |          |          |  |
| 112.0          |       |                       |               |                         |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |                     |    |     |      |     | 112.0 4060 45      |          |          |          |  |
| 113.0          |       |                       |               | 35°                     |           |     |         | 109.0 - 130.3 M CONGLOMERATE (AGGLOMERATE?)<br>- poorly defined fol (sch), ranging from 0° to cov to cov or. 50°-60° to cov.<br>- comprised of a vfg, bright light green, v. soft, strongly sericitized matrix, almost a sericite schist in places, & average 30% poorly sorted < 1cm to 2cm sub-rounded to angular clasts/fraggs; pred. of vfg strongly sericitized rock v. similar to matrix (to 70% of clasts/fraggs), 20% finer qtz beige strongly ser-carb alt rk, 5% spinel bld cdb's vnf frags, 3% qtz vnf frags<br>- entire unit is wky to mod. frac pred. II fol. & Fe carb, minor chl. ser. qtz frac fill.<br>- contains 5% secondary pred. Fe carb minor qtz vns @ all or.                                                                                                                                                                                                                                                       |                                |                     |    |     |      |     | 113.0 4061 45      |          |          |          |  |
| 114.0          | 115.0 | 3.0                   | 100%          |                         | 5         |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |                     |    |     |      |     | 116.0              |          |          |          |  |
| 115.0          |       |                       |               |                         |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |                     |    |     |      |     | 117.0 4062 7       |          |          |          |  |
| 116.0          |       |                       |               |                         | 6         |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |                     |    |     |      |     | 117.0 4062 7       |          |          |          |  |
| 117.0          | 118.0 | 3.0                   | 100%          |                         |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |                     |    |     |      |     | 118.0              |          |          |          |  |
| 118.0          |       |                       |               |                         |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |                     |    |     |      |     | 119.0              |          |          |          |  |
| 119.0          | 120.0 | 3.0                   | 100%          |                         | 5         |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |                     |    |     |      |     | 119.0 4063 45      |          |          |          |  |

PROJECT TULLY

HOLE DESIGNATION T-91-06

LOGGED BY DUNCAN MCIVOR

— SCALE —

1 : 100

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PROJECT Tully HOLE DESIGNATION T-91-06 LOGGED BY DUNCAN MCIVOR SCALE 1:100 PAGE 9 OF 9



# **HOMESTAKE MINERAL DEVELOPMENT CO.**

## **DIAMOND DRILL LOG**

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PROJECT TULLY ELEVATION 0  
HOLE DESIGNATION T-91-07 AZIMUTH 180°  
NTS 42A/14 DIP -50°  
CLAIM \_\_\_\_\_ LENGTH OF HOLE 200.0M  
EASTING L16+00 E (IMP. GRID) CORE DIAMETER NQ  
NORTHING 10+00N

CONTRACTOR NOREX  
DATE STARTED FEBRUARY 26, 91  
DATE FINISHED FEBRUARY 28, 91  
LOGGED BY DUNCAN MCIVOR  
DATE FEBRUARY, 1991  
SCALE 1:100

| <u>TEST DEPTH</u> | <u>BASELINE</u> | <u>IMPERIAL GRID.</u> |      |       |
|-------------------|-----------------|-----------------------|------|-------|
| AZIMUTH           | 0               | 40 N                  | 75 M | 155 M |
| DIP               | 180°            | 180°                  | 180° | 180°  |
|                   | -50°            | -49°                  | -49° | -49°  |

PROJECT TULLY

HOLE DESIGNATION T-91-07

LOGGED BY DUNCAN MCGIVOR

SCALE 1:100

Block

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PROJECT Tony

HOLE DESIGNATION T-91-07

LOGGED BY DUNCAN MCIVOR

— SCALE — 1:100

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PROJECT Tully HOLE DESIGNATION T-91-07 LOGGED BY DUNCAN McIVOR SCALE 1:100 PAGE 4 OF 12

| DRILL INTERVAL |      | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ALTERATION and VENING                      | MINERAL PERCENTAGES |    |     |      |   | ASSAY GEOCHEMISTRY |          |      |      |     | LAB |  |  |
|----------------|------|-----------------------|---------------|-----------------------|-----------|-----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------|----|-----|------|---|--------------------|----------|------|------|-----|-----|--|--|
| FROM           | TO   |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            | Py                  | Po | Cpy | AsPy | - | OTh                | Au (ppb) |      |      |     |     |  |  |
| 65.0           | 68.0 | 3.0                   | 100%          | MASSIVE               |           | 4   |         | 48.5 - 76.5M CONTINUED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | WKL4 CHL2                                  | 17.                 | -  | -   | -    | - | -                  |          |      |      |     |     |  |  |
| 68.0           | 71.0 | 3.0                   | 100%          |                       |           | 6   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | WKL4 CHL2                                  | 17.                 | -  | -   | -    | - | -                  |          |      |      |     |     |  |  |
| 71.0           | 74.0 | 3.0                   | 100%          |                       |           | 4   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | WKL4 MOD CARB                              | 17.                 | -  | -   | -    | - | -                  |          |      |      |     |     |  |  |
| 74.0           | 77.0 | 3.0                   | 100%          |                       |           | 15  |         | 76.5 - 84.8M SHEARED, CARBONATIZED LCX BASALT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TR.                                        | 22                  |    |     |      |   |                    | 14       |      |      |     |     |  |  |
| 77.0           | 80.0 | 3.0                   | 100%          | 30-35°                |           | 15  |         | arbitrary contacts @ 76.5 & 84.8M, based on alteration intensity & degree of foliation.<br>rock becomes comprised of a mod. to strongly foliated, @ ca. or. 30-35° to core, light green, wky serc & wky silicified in places, very groundmass, ± av. 60% irregular patches, i aggregates of 1-2mm Fe carb sub to euhedral crystals to 1-2cm, "snowflake" type carbonate alteration,<br>in places, proximal fracs. off. debs. become 100% r/k/s-pcm.<br>unit is strongly fractured, pred. it subl. fol. & Fe carb. qts,<br>chb. Py, sercile vac fill.<br>contains 2-10% <5mm to 10 cm gr/c, Fe carb vns @ all<br>or. Usually ± min. halos as outlined below. | WKL4-MOD<br>SER-SIL<br>ALT,<br>MOD<br>CARB | 22                  | -  | TR. | -    | - |                    |          | 21   | 4086 | 192 |     |  |  |
| 78.0           |      |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            | 77.5                |    |     |      |   |                    | 22       | 4087 | 11   |     |     |  |  |
| 79.0           |      |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            | 78.5                |    |     |      |   |                    | 23       | 4088 | 16   |     |     |  |  |
| 80.0           |      |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            | 79.5                |    |     |      |   |                    | 24       | 4089 | 53   |     |     |  |  |

PROJECT TULLY

HOLE DESIGNATION T-91-07

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. SCALE 1:100

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PROJECT Tony

HOLE DESIGNATION T-91-07

LOGGED BY DUNCAN MCIVOR SCALE 1:100

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PROJECT Tony

**HOLE DESIGNATION** \_\_\_\_\_

T-91-07

LOGGED BY

DUNCAN MCIVOR

**SCALE** 1:100

10a

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PROJECT TULLY HOLE DESIGNATION T-91-07 LOGGED BY DUNCAN MCIVOR SCALE 1:100 PAGE 8 OF 12

| DRILL<br>INTERVAL |       | RECOVERED<br>CORE<br>LENGTH | CORE<br>RECOVERY | FOLIATION<br>OR<br>CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE<br>(DESCRIPTION) | ALTERATION<br>and<br>VEINING               | MINERAL PERCENTAGES |    |     |      |   | ASSAY GEOCHEMISTRY |       |                  |             |             |             |
|-------------------|-------|-----------------------------|------------------|-----------------------------|-----------|-----|---------|----------------------------|--------------------------------------------|---------------------|----|-----|------|---|--------------------|-------|------------------|-------------|-------------|-------------|
| FROM              | TO    |                             |                  |                             |           |     |         |                            |                                            | Pg                  | Po | Cpy | AsPy | - | OTH.               | DEPTH | SAMPLE<br>NUMBER | Au<br>(ppb) | Ag<br>(ppb) | As<br>(ppb) |
| 126.0             | 128.0 | 3.0                         | 100%             | MASSIVE                     |           | 4   |         | 84-8-150-6M CONTINUED      | WKL<br>CHL <sup>2</sup> .                  | 0.5%                | -  | -   | -    | - | -                  |       |                  |             |             |             |
| 128.0             | 131.0 | 3.0                         | 100%             |                             |           | 4   |         |                            | WKL<br>CHL <sup>2</sup> .                  | 0.5%                | -  | -   | -    | - | -                  | 132.0 | 29               |             |             |             |
| 131.0             | 134.0 | 3.0                         | 100%             | 40°                         |           | 2   |         |                            | WKL<br>CHL <sup>2</sup> ,<br>WKL<br>CARBN. | 0.5%                | -  | -   | -    | - | -                  | 133.0 | 4094             | 5           |             |             |
| 134.0             | 137.0 | 3.0                         | 100%             |                             |           | 4   |         |                            | WKL<br>CHL <sup>2</sup> ,                  | 0.5%                | -  | -   | -    | - | -                  | 134.0 | 1                |             |             |             |
| 137.0             | 140.0 | 3.0                         | 100%             |                             |           | 4   |         |                            | WKL<br>CHL <sup>2</sup> ,<br>WKL<br>CARBN. | 0.5%                | -  | -   | -    | - | -                  | 135.0 | 4095             | 5           |             |             |
|                   |       |                             |                  |                             |           |     |         |                            |                                            |                     |    |     |      |   |                    | 136.0 | 4096             | 9           |             |             |

PROJECT TULLY HOLE DESIGNATION T-91-07 LOGGED BY DUNCAN MCIVOR SCALE 1:100 PAGE 9 OF 12

| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE (DESCRIPTION) | ALTERATION and VENING | MINERAL PERCENTAGES |    |     |      |   | ASSAY GEOCHEMISTRY |       |               | LAB  |        |       |       |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|-------------------------|-----------------------|---------------------|----|-----|------|---|--------------------|-------|---------------|------|--------|-------|-------|
| FROM           | TO    |                       |               |                       |           |     |         |                         |                       | Py                  | Po | Cpy | AsPy | - | Oth.               | DEPTH | SAMPLE NUMBER | Ag   | Au SFA | (ppb) | (ppt) |
| 140.0          | 141.0 |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 140.0 | 32            |      |        |       |       |
| 141.0          | 142.0 |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 141.0 | 4097          | <5   |        |       |       |
| 142.0          | 143.0 | 3.0                   | 100%          | /                     |           | 40° |         |                         |                       |                     |    |     |      |   |                    | 142.0 |               |      |        |       |       |
| 143.0          | 144.0 |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 143.0 |               |      |        |       |       |
| 144.0          | 145.0 |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 144.0 | 33            |      |        |       |       |
| 145.0          | 146.0 | 3.0                   | 100%          | /                     |           |     |         |                         |                       |                     |    |     |      |   |                    | 145.0 | 4098          | <5   |        |       |       |
| 146.0          | 147.0 |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 146.0 |               |      |        |       |       |
| 147.0          | 148.0 |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 147.0 | 34            |      |        |       |       |
| 148.0          | 149.0 | 3.0                   | 100%          | /                     |           |     |         |                         |                       |                     |    |     |      |   |                    | 148.0 | 4099          | <5   |        |       |       |
| 149.0          | 150.0 |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 149.0 | 35            |      |        |       |       |
| 150.0          | 151.0 |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 149.0 | 4100          | 6    |        |       |       |
| 151.0          | 152.0 | 3.0                   | 100%          | MARL                  |           |     |         |                         |                       |                     |    |     |      |   |                    | 150.0 | 36            |      |        |       |       |
| 152.0          | 153.0 |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 150.0 | 6901          | <5   |        |       |       |
| 153.0          | 154.0 |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 150.0 | 37            |      |        |       |       |
| 154.0          | 155.0 | 3.0                   | 100%          |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 150.0 | 6902          | <5   |        |       |       |
| 155.0          |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 150.0 | 38            |      |        |       |       |
|                |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 150.0 | 6903          | 16   |        |       |       |
|                |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 151.0 | 6904          | 37   |        |       |       |
|                |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 151.0 | 6904          | 37   |        |       |       |
|                |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 151.5 | 6905          | 199  |        |       |       |
|                |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 152.0 | 6906          | 986  |        |       |       |
|                |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 152.5 | 6907          | 947  |        |       |       |
|                |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 153.0 | 6908          | 1096 | 1.047  |       |       |
|                |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 153.5 | 6909          | 1336 | 1.348  |       |       |
|                |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 154.0 | 6910          | 725  |        |       |       |
|                |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 154.6 | 6911          | 283  |        |       |       |
|                |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    | 154.6 | 6912          | 823  |        |       |       |
|                |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |      |   |                    |       |               |      |        |       |       |

84-8-150-6M CONTINUED

150.6-154.6M MINERALIZED (Py,AsPy) SER<sup>c</sup>; CARB<sup>n</sup>

BRECCIATED MARL VOLCANIC

- rock is predominantly felsic, with remnant silicic host, pyroxene, soft, light gray to beige, intensely Fe carb-sericite alt. mafic volcanic  
- intensely fractured, to brecciated by fractures, fractures exhibit strong preferred orientations of 0-20° to carf, 45° to carf, & 80-90° to carf, & pred. gray wky carbonaceous qtz & qtz-Fe carbonate fracture filling, & sulphide (Py, AsPy), sericite, & blood red hematite fracture - fractures have strong sulphide halos, to semi-mass 3-3mm seams & disse min/5cm, as do all qc veins. (AsPy filled fractures exhibit strong preferred orientation @ 20° to carf)  
- contains 10% secondary qtz-mineral Fe carb veins @ 35-45°, & 70-90° to carf, also E strong sulphide halos.

INTENSE  
FE CARB.  
SERICITE  
ALT.  
10% QC  
VEINS.

5%

Py  
Po  
Cpy  
AsPy  
-

0.56  
-

0.56  
-

0.56  
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0.56  
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0.56  
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0.56  
-

TR.  
3%

32  
4097  
33  
4098  
34  
4099  
35  
4100  
36  
6901  
37  
6902  
38  
6903  
37  
6904  
37  
6905  
986  
947  
1096  
1336  
1.348  
725  
283  
823

16  
6  
6  
<5  
<5  
1.047

1.047  
1.348  
725  
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283

PROJECT TOMY HOLE DESIGNATION T-91-07 LOGGED BY DUNCAN MCIVOR SCALE 1:100 PAGE 10 OF 12

PROJECT TULLYHOLE DESIGNATION T-91-07LOGGED BY DUNCAN MCIVORSCALE 1:100PAGE 11 OF 12

| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RD | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                   | ALTERATION and VEINING                      | MINERAL PERCENTAGES |    |     |      |   | ASSAY GEOCHEMISTRY |          |          | LAB       |       |       |  |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|----|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------|----|-----|------|---|--------------------|----------|----------|-----------|-------|-------|--|
| FROM           | TO    |                       |               |                       |           |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                             | Ry                  | Po | Cpy | AsPy | - | OTH.               | Au (ppb) | Ag (ppt) | SeA (ppt) |       |       |  |
| 170.0          | 171.0 |                       |               |                       |           |    |         | 156.5-175.0 M CONTINUED                                                                                                                                                                                                                                                                                                                                                                                                   |                                             |                     |    |     |      |   |                    |          |          |           |       |       |  |
| 170.0          | 173.0 | 3.0                   | 100%          | MASSE                 |           | 9  |         | contains 1-3% vug diss Fe <sub>x</sub> (poorly indicative of volc). average sulphide content: 1% Py, as vug diss min. & minor trace Fe <sub>x</sub> . after thin 3-5 mm graphitic seams in places. from 156.5-158.0, 3% Py, as vug diss min. & extensive fracture filling. from 169.0, becomes vug, almost aphy. gray, harder, less carb. - see alt. v. dacitic appearing protolith unknown. sample obt for thin section. | Wk. MOD SER. Fe CARB ALT.                   | 1%                  | .  | .   | .    | . | .                  | .        |          | 58        | 6923  | 45    |  |
| 171.0          | 172.0 |                       |               |                       |           |    |         | 175.0-176.5 M COARSE FRAGMENTAL/VOLCANOCLASTIC                                                                                                                                                                                                                                                                                                                                                                            |                                             |                     |    |     |      |   |                    |          |          |           |       |       |  |
| 172.0          | 173.0 | 176.0                 | 3.0           | 100%                  |           | 8  |         | mod. fol @ 60° to catx. rock comprised of <1cm to 5 cm subangular to subrounded frags to 30% or vug, v. granular appearing, light brown to beige, mod. carb. ser. rock (as per overlying unit) in a dk gray to black w/ carbonaceous chloritic-calcitic matrix. (a slurry breccia?)                                                                                                                                       | NOD CARB. SEA ALT OR FRAGS.                 | 0-5%                | .  | .   | .    | . | .                  |          | 59       | 6924      | 45    |       |  |
| 173.0          | 174.0 |                       |               |                       |           |    |         | from 176.3-176.5, 3% vug diss AsPy, 3% Py as min. in both fragments & matrix.                                                                                                                                                                                                                                                                                                                                             |                                             |                     |    |     |      |   |                    | 176.0    | 6925     | 60        |       |       |  |
| 174.0          | 175.0 |                       |               |                       |           |    |         | from 176.5-181.8 M MINERALIZED (Py, AsPy) QC VENED, BRECCIATED, INTENSELY SER. CARB & RK (MAFIC VOLC.)                                                                                                                                                                                                                                                                                                                    |                                             |                     |    |     |      |   |                    | 176.5    | 6925     | 1197      |       |       |  |
| 175.0          | 176.0 |                       |               |                       |           | 12 |         | mod. b v, strongly aphy. sch. @ cat. or. 50° to catx, ranges 45°-65° to catx, pred. v. soft, beige to bright yellowish-green, intensely sericitized, Fe carb alt rock (mafic volc.) contains 2-3% vug diss Fe <sub>x</sub> (babs).                                                                                                                                                                                        | INTENSE SERICITE-Fe CARB ALT, 20% QC VEINS. | 3%                  | -  | TR. | 5%   |   |                    |          | 177.0    | 6926      | 4325  | 4.361 |  |
| 176.0          | 177.0 | 3.0                   | 100%          |                       |           |    |         | intensely fractured, to intensely brecciated by fractures, pred. v. alt though all or. exist. Fe pred. qz, Fe carb, Py, AsPy, & chl-graph fracture filling.                                                                                                                                                                                                                                                               |                                             |                     |    |     |      |   |                    | 177.5    | 6927     | 6219      | 5.388 |       |  |
| 177.0          | 178.0 |                       |               |                       |           |    |         | intensely brecciated (increases downhole) in places (notably 180.0-181.8M), 2-4 cm to 2-3 cm, brecc host rock frags in gray silica-carbonate matrix.                                                                                                                                                                                                                                                                      |                                             |                     |    |     |      |   |                    | 178.0    | 6928     | 574       |       |       |  |
| 178.0          | 179.0 |                       |               |                       |           |    |         | contains 20% <1 cm to 15 cm qz. Fe carb veins, usually contorted to brecciated. @ all or. (from set @ 0-30° to cat) both veins & fracs have strong sulphide (Py, AsPy) halos.                                                                                                                                                                                                                                             |                                             |                     |    |     |      |   |                    | 178.5    | 6929     | 135       |       |       |  |
| 179.0          | 180.0 |                       |               |                       |           | 15 |         | -                                                                                                                                                                                                                                                                                                                                                                                                                         |                                             |                     |    |     |      |   |                    | 179.0    | 6930     | 939       |       |       |  |
| 180.0          | 181.0 | 182.0                 | 3.0           | 100%                  |           |    |         | mod. b v, strongly aphy. sch. @ cat. or. 50° to catx, ranges 45°-65° to catx, pred. v. soft, beige to bright yellowish-green, intensely sericitized, Fe carb alt rock (mafic volc.) contains 2-3% vug diss Fe <sub>x</sub> (babs).                                                                                                                                                                                        |                                             |                     |    |     |      |   |                    | 179.5    | 6931     | 789       |       |       |  |
| 181.0          | 182.0 |                       |               |                       |           |    |         | intensely fractured, to intensely brecciated by fractures, pred. v. alt though all or. exist. Fe pred. qz, Fe carb, Py, AsPy, & chl-graph fracture filling.                                                                                                                                                                                                                                                               |                                             |                     |    |     |      |   |                    | 180.0    | 6932     | 1947      | 1.808 |       |  |
| 182.0          | 183.0 |                       |               |                       |           |    |         | intensely brecciated (increases downhole) in places (notably 180.0-181.8M), 2-4 cm to 2-3 cm, brecc host rock frags in gray silica-carbonate matrix.                                                                                                                                                                                                                                                                      |                                             |                     |    |     |      |   |                    | 180.5    | 6933     | 3503      | 2.831 |       |  |
| 183.0          | 184.0 | 182.0                 | 3.0           | 100%                  |           |    |         | contains 20% <1 cm to 15 cm qz. Fe carb veins, usually contorted to brecciated. @ all or. (from set @ 0-30° to cat) both veins & fracs have strong sulphide (Py, AsPy) halos.                                                                                                                                                                                                                                             |                                             |                     |    |     |      |   |                    | 181.0    | 6934     | 3126      | 3.146 |       |  |
| 184.0          | 185.0 |                       |               |                       |           |    |         | mod. b v, strongly aphy. sch. @ cat. or. 50° to catx, ranges 45°-65° to catx, pred. v. soft, beige to bright yellowish-green, intensely sericitized, Fe carb alt rock (mafic volc.) contains 2-3% vug diss Fe <sub>x</sub> (babs).                                                                                                                                                                                        |                                             |                     |    |     |      |   |                    | 181.5    | 6935     | 70        |       |       |  |
| 185.0          |       |                       |               |                       |           |    |         | intensely fractured, to intensely brecciated by fractures, pred. v. alt though all or. exist. Fe pred. qz, Fe carb, Py, AsPy, & chl-graph fracture filling.                                                                                                                                                                                                                                                               |                                             |                     |    |     |      |   |                    | 182.0    | 6936     | 863       |       |       |  |
|                |       |                       |               |                       |           |    |         | 181.8-182.2 M GRAPHITIC GOUGE/FAULT                                                                                                                                                                                                                                                                                                                                                                                       |                                             |                     |    |     |      |   |                    | 182.2    | 6937     | 455       |       |       |  |
|                |       |                       |               |                       |           |    |         | soft, black clay like mod. graphitic (30%) gouge.                                                                                                                                                                                                                                                                                                                                                                         |                                             |                     |    |     |      |   |                    |          | 182.5    | 6938      | 26    |       |  |
|                |       |                       |               |                       |           |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                             |                     |    |     |      |   |                    |          | 183.2    | 6939      | 73    |       |  |
|                |       |                       |               |                       |           |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                             |                     |    |     |      |   |                    |          | 184.2    | 6939      | 17    |       |  |
|                |       |                       |               |                       |           |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                             |                     |    |     |      |   |                    |          |          | 6939      | 74    |       |  |
|                |       |                       |               |                       |           |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                           |                                             |                     |    |     |      |   |                    |          |          | 6939      | 13    |       |  |

PROJECT TULLYHOLE DESIGNATION T-91-07LOGGED BY DUNCAN MCVORSCALE 1:100PAGE 12 OF 12

| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | ROD          | GRAPHIC | ROCK TYPE<br>(DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ALTERATION<br>and<br>VEINING                          | MINERAL PERCENTAGES |    |     |      |   | ASSAY GEOCHEMISTRY |          |       |    |      | LAB |  |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|--------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------|----|-----|------|---|--------------------|----------|-------|----|------|-----|--|
| FROM           | TO    |                       |               |                       |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       | Py                  | Po | Cpy | Aspy | - | OTH                | Au (ppb) |       |    |      |     |  |
| 35.0           |       |                       |               |                       |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |                     |    |     |      |   |                    |          |       |    |      |     |  |
| 86.0           | 185.0 | 188.0                 | 3.0           | 100%                  | 30°       | Rubble-Fault | >50     | 182.2 - 188.2M INTENSELY SH. SERG. CARB <sup>n</sup> FRAGMENTAL / GVL.<br>(Core is RUBBLE - FAULT ZONE).<br>- intensely sh. sch. @ 30° to cov.<br>- rock comprised of a vlg. dk gray, hard, siliceous & sericitized matrix - to 50% rock, & 40-50% bright yellow, lg., granular sericite-carbonate (calc. rk) frags. v. strongly stretched II fol, lending banded app to rock, frags range in size from fc 1cm to 2-3 cm, along other lithic frags - spinifer & lam. lam. frags. qz-carb in frags;<br>- intensely fractured, @ 0°, 35°, 90° to cov, & qz. Fe carb frac hil.                                                                                                                                                                                                                                                                                                       | STRONG SERICITE-Fe CARB ALT. OF FRAGS.                | 1%                  | -  | -   | -    | - | -                  | Tq. sph? | 185.2 | 73 | 6940 | 19  |  |
| 187.0          |       |                       |               |                       |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |                     |    |     |      |   |                    |          |       |    |      |     |  |
| 188.0          |       |                       |               |                       |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |                     |    |     |      |   |                    |          |       |    |      |     |  |
| 189.0          | 188.0 | 191.0                 | 3.0           | 100%                  | 50°       |              | 20      | 188.2 - 192.0M COARSE, FUCHSITIC, SERG. CARB <sup>n</sup> FRAGMENTAL<br>- rock is strongly foliated, sch & banded/bedded app. @ 50° to cov, comprised of a vlg. v. granular often sucrosic hard gray siliceous & calcitic "sillstone" type matrix, & 40% cc 1cm to 3cm elongate II fol fragments of strongly carb-serg-fuchsite rock - ~70% of frags are bright green, v. fuchsite (lo 20%) rich, & 30% frags are yellow sericitic (v. carb).<br>- mod. fractured @ all orientations, & Fe carb, qz, ser, lam. frac fill.<br>- 5% thin secondary Fe carb minor qz vns @ all or.<br>- 1% Py as vlg. cross min in matrix & frags, br. black sph/chr diss throughout carb frags.<br>- @ 189.5, 1cm carb vns @ 50° to cov & 3% Py @ margins.<br>- from 190.3-190.5, locally 5% hem-him along frags & as thin bands II fol.<br>- occ. fuch-carb alt frag exhibits "Spinifer-type" het. | INTENSE SER-Fe CARB - FUCHSITE ALT. OF FRAGS/ CLASTS. | 1%                  | -  | -   | -    | - | -                  | Tq. sph. | 188.2 | 73 | 6943 | 7   |  |
| 190.0          |       |                       |               |                       |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |                     |    |     |      |   |                    |          |       |    |      |     |  |
| 191.0          |       |                       |               |                       |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |                     |    |     |      |   |                    |          |       |    |      |     |  |
| 192.0          | 191.0 | 194.0                 | 3.0           | 100%                  | 45°       |              | 8       | 192.0 - 198.3M SHEARED, CARB <sup>n</sup> , SER <sup>n</sup> FRAGMENTAL<br>- strongly sh. fol. @ 45° to cov.. rock comprised of vlg. v. granular, dk gray, hard, siliceous (& vlg. carb, ser <sup>n</sup> ) matrix, & av. 50% cc 1cm to 5cm. sub rounded elongate II fol, lo. v. rounded appearing vlg. bright yellow to bright green vlg. variably (pred. strongly) ser-calc alt fragmental/clasts.<br>- also contains 5% black graph org frags elong II fol.<br>- mod. to strongly fractured, @ all or, & pred. Fe carb, minor qz, hem-lim frac fill.<br>- 1% Py as diss min in both frags & matrix.                                                                                                                                                                                                                                                                            | STRONG SER-Fe CARB ALT OF FRAGS/ CLASTS.              | 1%                  | -  | -   | -    | - | -                  | Tq. sph. | 192.0 | 81 | 6946 | 7   |  |
| 193.0          |       |                       |               |                       |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |                     |    |     |      |   |                    |          |       |    |      |     |  |
| 194.0          |       |                       |               |                       |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |                     |    |     |      |   |                    |          |       |    |      |     |  |
| 195.0          | 194.0 | 197.0                 | 3.0           | 100%                  |           |              | 7       | 192.0 - 198.3M SHEARED, CARB <sup>n</sup> , SER <sup>n</sup> FRAGMENTAL<br>- strongly sh. fol. @ 45° to cov.. rock comprised of vlg. v. granular, dk gray, hard, siliceous (& vlg. carb, ser <sup>n</sup> ) matrix, & av. 50% cc 1cm to 5cm. sub rounded elongate II fol, lo. v. rounded appearing vlg. bright yellow to bright green vlg. variably (pred. strongly) ser-calc alt fragmental/clasts.<br>- also contains 5% black graph org frags elong II fol.<br>- mod. to strongly fractured, @ all or, & pred. Fe carb, minor qz, hem-lim frac fill.<br>- 1% Py as diss min in both frags & matrix.                                                                                                                                                                                                                                                                            | STRONG SER-Fe CARB ALT OF FRAGS/ CLASTS.              | 1%                  | -  | -   | -    | - | -                  | Tq. sph. | 193.0 | 82 | 6947 | 10  |  |
| 196.0          |       |                       |               |                       |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |                     |    |     |      |   |                    |          |       |    |      |     |  |
| 197.0          |       |                       |               |                       |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |                     |    |     |      |   |                    |          |       |    |      |     |  |
| 198.0          | 197.0 | 200.0                 | 3.0           | 100%                  | 50°       |              | 10      | 198.3 - 200.0M INTERBEDDED ARG-SILT-WK/congl.<br>- thick bedded. @ 50° to cov. pred. dk gray vlg. vlg. carbonaceous wacke-siltstone. & clear thin graph agilitite interbeds, clear coarse conglomerate interbeds<br>- 2% Py pred. ass + graph org & siltstone beds as semi-massive bands II fol + nodules to 5mm.<br>- 5% qz. Fe carb vns to 2 cm @ all or.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5% SEC. CARB-CARB VNS.                                | 2%                  | -  | -   | -    | - | -                  | Tq. sph. | 198.3 | 83 | 6952 | 5   |  |
| 199.0          |       |                       |               |                       |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |                     |    |     |      |   |                    |          |       |    |      |     |  |
| 200.0          |       |                       |               |                       |           |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |                     |    |     |      |   |                    |          |       |    |      |     |  |

HOLE ENDS @ 200.0M. *Duncan McVor*.



# HOMESTAKE MINERAL DEVELOPMENT CO.

## **DIAMOND DRILL LOG**

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|                  |                        |                |         |
|------------------|------------------------|----------------|---------|
| PROJECT          | TULLY                  | ELEVATION      | 0       |
| HOLE DESIGNATION | T-91-08                | AZIMUTH        | 180°    |
| NTS              | 42A/14                 | DIP            | -55°    |
| CLAIM            |                        | LENGTH OF HOLE | 281.0 M |
| EASTING          | 16+00E (IMPERIAL GRID) | CORE DIAMETER  | NQ      |
| NORTHING         | 11+00N                 |                |         |

CONTRACTOR NOREX  
DATE STARTED MARCH 13, 91  
DATE FINISHED MARCH 19, 91  
LOGGED BY DUNCAN MCIVOR  
DATE MARCH, 91  
SCALE 1:100

| <u>BASELINE</u> | <u>IMPERIAL GRID</u> |      |      |
|-----------------|----------------------|------|------|
| EST DEPTH       |                      |      |      |
|                 | 0                    | 26.8 | 100M |
| AZIMUTH         | 180°                 | 180° | 180° |
| DIP             | -56°                 | -54° | -54° |



# HOMESTAKE MINERAL DEVELOPMENT CO.

## DIAMOND DRILL LOG

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|                        |                      |
|------------------------|----------------------|
| PROJECT _____          | ELEVATION _____      |
| HOLE DESIGNATION _____ | AZIMUTH _____        |
| NTS _____              | DIP _____            |
| CLAIM _____            | LENGTH OF HOLE _____ |
| EASTING _____          | CORE DIAMETER _____  |
| NORTHING _____         |                      |

**CONTRACTOR** \_\_\_\_\_  
**DATE STARTED** \_\_\_\_\_  
**DATE FINISHED** \_\_\_\_\_  
**LOGGED BY** \_\_\_\_\_  
**DATE** \_\_\_\_\_  
**SCALE** \_\_\_\_\_

**BASELINE** \_\_\_\_\_

**TEST DEPTH**

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**AZIMUTH**

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**DIP**

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|  |  |  |  |

**PROJECT** Tony

HOLE DESIGNATION T-91-08

LOGGED BY DUNCAN MCIVOR

SCALE 1:100

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| DRILL INTERVAL |      | WELL DESCRIPTION      |               |                       |                |     |         | ROCK TYPE<br>(DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ALTERATION<br>and<br>VENEERING              | MINERAL PERCENTAGES |    |     |      |      | ASSAY GEOCHEMISTRY |     |              | LAB  |     |    |  |
|----------------|------|-----------------------|---------------|-----------------------|----------------|-----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------|----|-----|------|------|--------------------|-----|--------------|------|-----|----|--|
| FROM           | TO   | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE      | RQD | GRAPHIC |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             | Py                  | Po | Cpy | Ashy | oth. | Ag (ppb)           |     |              |      |     |    |  |
| 25.0           |      |                       |               |                       |                |     |         | 0 - 26.8 M OVERBODEN.<br>- ALL CASING RECOVERED FROM HOLE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             |                     |    |     |      |      |                    |     |              |      |     |    |  |
| 26.0           |      |                       |               |                       |                |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                     |    |     |      |      |                    |     |              |      |     |    |  |
| 27.0           |      |                       |               |                       |                |     |         | 26.8 - 35.0 M GRAPHITIC ARGILLITE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SILC?                                       |                     |    |     |      |      | 26.8               | 01  |              |      |     |    |  |
| 28.0           | 26.8 | 29.0                  | 2.2           | 100%                  | 30-40°         | 10  |         | • pred. jet black, v. soft, v. graphitic (Bol) argillite,<br>thinly bedded, bedding is v. contorted, av. 30-40° to cat.<br>• contains av. 15% thin <1mm - 2mm silica seams   <br>bd., appear to brecciate rock in places, as outlined below.<br>• average sulphide content: 5% Py, pred. as 5mm, 2cm<br>nodular spherical to elongate (squashed) blebs (to<br>80% rock in places), & minor vlg. diss. min.<br>• contains also 5pm - 3cm sericitic wacke type<br>interbeds, as outlined below.<br>• from 26.8 - 28.2, argillite is v. hard, siliceous/silicified?<br>c 30% < 5mm to 2cm gray cherty silica bands<br>   subl. fol., strongly brecciating graphitic arg.<br>• from 29.1 - 29.5 70% pyritic Py blebs, usually spherical<br>to elongate    bd (squashed), to 3cm, av. 1cm,<br>in black graphitic-siliceous matrix.<br>• from 31.0 - 31.3, graywacke interbed @ 40° to cat,<br>v. soft, sericitic vlg. matrix c 20% small < 1mm<br>- 1cm. graph arg fragments, locally 10% Py as vlg.<br>diss. min., some frac fill c 9%. | 20% CHERTY<br>SIL BANDS.                    | 5%                  |    |     |      |      |                    |     | 80%<br>CHART | 28.2 | 401 | 22 |  |
| 29.0           | 29.0 | 32.0                  | 3.0           | 100%                  |                | 10  |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 70%                                         |                     |    |     |      |      | 29.1               | 402 | 28           |      |     |    |  |
| 30.0           |      |                       |               |                       |                |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                     |    |     |      |      | 29.5               | 403 | 38           |      |     |    |  |
| 31.0           |      |                       |               |                       |                |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                     |    |     |      |      | 30.4               |     |              |      |     |    |  |
| 32.0           |      |                       |               |                       |                |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                     |    |     |      |      | 31.0               | 404 | 34           |      |     |    |  |
| 33.0           | 32.0 | 35.0                  | 3.0           | 100%                  |                | 12  |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                     |    |     |      |      | 31.9               | 405 | 9            |      |     |    |  |
| 34.0           |      |                       |               |                       |                |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                     |    |     |      |      | 32.0               | 406 | 12           |      |     |    |  |
| 35.0           |      |                       |               |                       |                |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                     |    |     |      |      | 33.0               | 407 | 14           |      |     |    |  |
| 36.0           | 35.0 | 38.0                  | 3.0           | 100%                  | 0-20°<br>11/11 | 7   | *       | 100% 0-20°<br>11/11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SER ALT<br>WACKE<br>INTERBEDS.              | 10%                 |    |     |      |      | 34.0               | 408 | 10           |      |     |    |  |
| 37.0           |      |                       |               |                       |                |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | STRONG<br>FE CARB.<br>ALT.                  | 3%                  |    |     |      |      | 35.0               | 409 | 15           |      |     |    |  |
| 38.0           |      |                       |               |                       |                |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | MOD.<br>SER.<br>MOD TO<br>STRONGLY<br>CARB. | 0-5%                |    |     |      |      | 35.9               | 410 | 15           |      |     |    |  |
| 39.0           | 38.0 | 41.0                  | 3.0           | 100%                  | 35°            | 5   | *       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                     |    |     |      |      | 37.0               | 411 | 15           |      |     |    |  |
| 40.0           |      |                       |               |                       |                |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | WALKY<br>CHL?                               | 1%                  |    |     |      |      | 38.0               | 412 | 12           |      |     |    |  |
|                |      |                       |               |                       |                |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                             |                     |    |     |      |      | 39.0               | 413 | 15           |      |     |    |  |

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| DRILL INTERVAL |      | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE   | ROD          | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ALTERATION and VENING              | MINERAL PERCENTAGES |    |     |      |      | ASSAY GEOCHEMISTRY |     |     | LAB |     |    |  |
|----------------|------|-----------------------|---------------|-----------------------|-------------|--------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------|----|-----|------|------|--------------------|-----|-----|-----|-----|----|--|
| FROM           | TO   |                       |               |                       |             |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    | Py                  | Po | Cpy | AsPy | OTH. | Au (ppb)           |     |     |     |     |    |  |
| 55.0           | 53.0 | 56.0                  | 3.0           | 100%                  | 35°         | /            | 6       | 39.0-60.2M CONTINUED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | WILLY CARB.<br>CHL.                | 1%                  | -  | -   | -    | -    | 4                  | 414 | <5  |     |     |    |  |
| 56.0           | 56.0 | 59.0                  | 3.0           | 100%                  | /           | /            | 25      | 60.2-61.4M STRONGLY SERC. PORPHYRITIC MAFIC VOL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | WILLY TO MOD. CARBN.               | 1%                  | -  | -   | -    | -    | 15                 | 415 | 10  |     |     |    |  |
| 57.0           | 59.0 | 59.0                  | 3.0           | 100%                  | RUBBLE FLX? | /            | /       | massive, to v. crudely foliated, sch. @ 35° to car.<br>rock comprised of light grayish green, vfg, relatively soft,<br>strongly Fe carb att, mod. sericitized groundmass, & 30%<br>3-5mm spherical blobs of beige Fe carb in coarse<br>"snowflake" host.<br>strongly fractured; pred. 20-40° to car, 2 carb, minor qtz, ser.,<br>chl, frac fill.<br>1% vfg diss. less blobs.<br>1% vfg diss Py & PPy less & a few thin qtz-carb veins.<br>from 60.4-60.6, 2 cm conformed qtz-minor Fe carb in @<br>50° to car & 290 diss Py @ margins.                                                                                                                                             |                                    |                     |    |     |      |      |                    |     |     | 16  | 416 | <5 |  |
| 58.0           | 59.0 | 59.0                  | 3.0           | 100%                  | /           | /            | 9       | 61.4-62.0M SHEARED, STRONGLY SERC. CARB. MAFIC VOL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | STRONGLY CARB.<br>MOD. SERC.       | 1%                  | -  | -   | -    | -    | 4                  | 417 | <5  |     |     |    |  |
| 59.0           | 59.0 | 62.0                  | 3.0           | 100%                  | 35°         | /            | /       | strongly fol @ 55° to car, vfg, light beige to green,<br>strongly Fe carb, mod. sericitized att, strongly fractured<br>pred. II fol, & qtz, Fe carb, Py frac fill.<br>traces & thin (5% 3-5 mm qtz-Fe carb vns II fol) vns<br>have diss Py halos to 3% throughout unit.<br>sharp contact @ 62.0M @ 60° to car.                                                                                                                                                                                                                                                                                                                                                                     | STRONG Fe CARB. MOD. SERC. ATT.    | 3%                  | -  | -   | -    | -    |                    | 18  | 418 | <5  |     |    |  |
| 60.0           | 62.0 | 62.0                  | 3.0           | 100%                  | 55°         | /            | /       | 62.0-63.5M MINERALIZED (Py, AsPy) SHEARED,<br>SERC. CARBN WACKE/TUFF.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | STRONGLY SERC.<br>MOD. CARB.       | 3%                  | -  | -   | 0.5% | -    | 19                 | 419 | 6   |     |     |    |  |
| 61.0           | 62.0 | 65.0                  | 2.8           | 93%                   | 45°         | RUBBLE FAULT | 15      | strongly sch. @ 45° to car, light gray to greenish gray,<br>vfg, v granular appearing sheared gray wacke or<br>equivalent tuff. strongly sericitized & mod. Fe carb<br>att, silicified/silicified in shear places.<br>contains a few (<5%) 1-2 mm graph rk frags, qtz vs<br>frags elong II fol.<br>strongly fractured, pred. II fol, & qtz, Fe carb, ser, hem,<br>frac fill.<br>5% thin (q. 1cm) qtz-Fe carb vns II fol, though often<br>strongly conformed, brecciated.<br>contains 3% Py, 0.5% AsPy, as vfg diss min.<br>throughout unit, as frac fill, & as halos on<br>qtz-carb vns & in filled traces (AsPy noted only as<br>halos on vns)<br>from 63.1-63.5, core is rubble. | WILLY SERC.<br>MOD. STRONGLY CARB. | 2%                  | -  | -   | 0.2% | -    |                    | 25  | 425 | 180 |     |    |  |
| 62.0           | 65.0 | 65.0                  | 3.0           | 100%                  | MASSE       | /            | 7       | 63.5-63.7M GRAPHITIC FAULT GOUGE/MUD.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                    | 0.5%                | -  | -   | -    | -    | 26                 | 426 | 9   |     |     |    |  |
| 63.0           | 65.0 | 68.0                  | 3.0           | 100%                  | /           | /            | /       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |                     |    |     |      |      | 27                 | 427 | <5  |     |     |    |  |
| 64.0           | 65.0 | 68.0                  | 3.0           | 100%                  | MASSIVE     | /            | 8       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |                     |    |     |      |      | 28                 | 428 | <5  |     |     |    |  |
| 65.0           | 68.0 | 68.0                  | 3.0           | 100%                  | /           | /            | /       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |                     |    |     |      |      | 29                 | 429 | 39  |     |     |    |  |
| 66.0           | 68.0 | 71.0                  | 3.0           | 100%                  |             |              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |                     |    |     |      |      | 30                 | 430 | 131 |     |     |    |  |

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH |    | CORE RECOVERY |         | FOLIATION OR CLEAVAGE | STRUCTURE | ROD | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ALTERATION and VENNING    | MINERAL PERCENTAGES |     |     |      |       | ASSAY GEOCHEMISTRY |          | LAB      |          |  |  |
|----------------|-------|-----------------------|----|---------------|---------|-----------------------|-----------|-----|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------|-----|-----|------|-------|--------------------|----------|----------|----------|--|--|
| FROM           | TO    | ft                    | in | %             |         |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           | Py                  | Po  | Cpy | Aspy | Other | Au (ppb)           | Ag (ppb) | As (ppb) | Bi (ppb) |  |  |
| 98.0           | 101.0 | 3.0                   |    | 100%          | MASSIVE |                       |           | 4   |         | 89.0 - 111.1 M CONTINUED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MOD. CHL <sub>2</sub>     | 1%                  | TR. | -   | -    | -     | -                  |          |          |          |  |  |
| 101.0          | 104.0 | 3.0                   |    | 100%          | 6       |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                     |     |     |      |       |                    |          |          |          |  |  |
| 104.0          | 107.0 | 3.0                   |    | 100%          | 7       |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                     |     |     |      |       |                    |          |          |          |  |  |
| 107.0          | 110.0 | 3.0                   |    | 100%          | 4       |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                     |     |     |      |       |                    |          |          |          |  |  |
| 110.0          | 113.0 | 3.0                   |    | 100%          | MASSIVE |                       |           | 6   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                     |     |     |      |       |                    |          |          |          |  |  |
| 113.0          | 116.0 | 3.0                   |    | 100%          |         |                       |           | 8   |         | 111.1 - 120.9 M - MASSIVE EG XLINE BASALT<br>- vfg, v. homogenous, med to dk green, massive basalt (may be sub volcanic), strongly bccg @ all orientations, a pred. calcite, minor chl, Po, Py frac fill.<br>- only wckly chl <sup>2</sup> , v. "fresh" appearing<br>- contains 1-3% 1-3 mm diss lvs blbs in a few places.<br>- average sulphide content: 1% Po, tr Py - Po as blbs to smm ass & calc filled fracs, vns, & as diss min, Py pred. as frac fill.<br>- 5% thin (to 1cm) calcite minor gba vns @ all or.<br>@ 112.7, 2 cm qh-calc vn @ 60° to cap.<br>- vns 113.7-119.4, mng, gaus gabbronor app dyke, contacts cap calcite | V. WCKLY CHL <sup>2</sup> | TR.                 | 1%  | -   | -    | -     | -                  |          |          |          |  |  |
|                |       |                       |    |               |         |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           | TR.                 | 1%  | -   | -    | -     |                    |          |          |          |  |  |

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH |      | CORE RECOVERY |   | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE (DESCRIPTION) | ALTERATION and VENNING                        | MINERAL PERCENTAGES |     |     |      |       | ASSAY GEOCHEMISTRY |               | LAB      |  |
|----------------|-------|-----------------------|------|---------------|---|-----------------------|-----------|-----|---------|-------------------------|-----------------------------------------------|---------------------|-----|-----|------|-------|--------------------|---------------|----------|--|
| FROM           | TO    | METERS                | %    | METERS        | % |                       |           |     |         |                         |                                               | Py                  | Po  | Cpy | AsPy | Other | DEPTH              | SAMPLE NUMBER | Au (ppb) |  |
| 128.0          | 131.0 | 3.0                   | 100% |               |   | MASSIVE               |           | 8   |         |                         | WKLLY CHL <sup>2</sup> , SAUSS <sup>2</sup> . | 0.5                 | 0.5 | -   | -    | -     |                    |               |          |  |
| 131.0          | 134.0 | 3.0                   | 100% |               |   |                       |           | 7   |         |                         |                                               |                     |     |     |      |       |                    |               |          |  |
| 134.0          | 137.0 | 3.0                   | 100% |               |   |                       |           | 4   |         |                         |                                               |                     |     |     |      |       |                    |               |          |  |
| 137.0          | 140.0 | 3.0                   | 100% |               |   |                       |           | 6   |         |                         |                                               |                     |     |     |      |       |                    |               |          |  |
| 140.0          | 143.0 | 3.0                   | 100% |               |   |                       |           | 8   |         |                         |                                               |                     |     |     |      |       |                    |               |          |  |
| 143.0          | 146.0 | 3.0                   | 100% |               |   |                       |           | 6   |         |                         | WKLLY CHL <sup>2</sup> , SAUSS <sup>2</sup> . | 0.5                 | 0.5 | -   | -    | -     |                    |               |          |  |

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE<br>(DESCRIPTION) | ALTERATION and VENING | MINERAL PERCENTAGES |    |     |      |       | DEPTH<br>175.0 | SAMPLE NUMBER | ASSAY GEOCHEMISTRY |  |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|----------------------------|-----------------------|---------------------|----|-----|------|-------|----------------|---------------|--------------------|--|
| FROM           | TO    |                       |               |                       |           |     |         |                            |                       | Py                  | Po | Cpy | AsPy | Other |                |               | Au (ppb)           |  |
| 175.0          | 173.0 | 176.0                 | 3.0           | 100%                  | MASSIVE   |     |         | 15                         |                       |                     |    |     |      |       | 175.0          |               |                    |  |
| 176.0          | 176.0 |                       |               |                       |           |     |         |                            |                       |                     |    |     |      |       | 176.0          | 454           | ≤5                 |  |
| 176.0          | 179.0 | 3.0                   | 100%          |                       |           |     |         | 6                          |                       |                     |    |     |      |       | 176.0          | 55            |                    |  |
| 177.0          |       |                       |               |                       |           |     |         |                            |                       |                     |    |     |      |       | 177.0          | 455           | ≤5                 |  |
| 178.0          | 179.0 | 3.0                   | 100%          |                       |           |     |         | 6                          |                       |                     |    |     |      |       | 178.0          | 56            |                    |  |
| 179.0          |       |                       |               |                       |           |     |         |                            |                       |                     |    |     |      |       | 178.0          | 456           | ≤5                 |  |
| 180.0          | 179.0 | 3.0                   | 100%          |                       |           |     |         | 6                          |                       |                     |    |     |      |       | 178.0          |               |                    |  |
| 181.0          |       |                       |               |                       |           |     |         |                            |                       |                     |    |     |      |       | 178.0          |               |                    |  |
| 182.0          | 182.0 | 3.0                   | 100%          |                       |           |     |         | 6                          |                       |                     |    |     |      |       | 178.0          |               |                    |  |
| 183.0          | 182.0 | 185.0                 | 3.0           | 100%                  |           |     |         | 4                          |                       |                     |    |     |      |       | 178.0          |               |                    |  |
| 184.0          |       |                       |               |                       |           |     |         |                            |                       |                     |    |     |      |       | 178.0          |               |                    |  |
| 185.0          | 182.0 | 185.0                 | 3.0           | 100%                  |           |     |         | 4                          |                       |                     |    |     |      |       | 178.0          |               |                    |  |
| 186.0          | 185.0 | 188.0                 | 3.0           | 100%                  |           |     |         | 5                          |                       |                     |    |     |      |       | 178.0          |               |                    |  |
| 187.0          |       |                       |               |                       |           |     |         |                            |                       |                     |    |     |      |       | 178.0          |               |                    |  |
| 188.0          | 188.0 | 191.0                 | 3.0           | 100%                  | MASSIVE   |     |         | 3                          |                       |                     |    |     |      |       | 178.0          |               |                    |  |
| 189.0          |       |                       |               |                       |           |     |         |                            |                       |                     |    |     |      |       | 178.0          |               |                    |  |
| 190.0          |       |                       |               |                       |           |     |         |                            |                       |                     |    |     |      |       | 178.0          |               |                    |  |

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE (DESCRIPTION) | ALTERATION AND VENING                  | MINERAL PERCENTAGES |    |     |      |       | ASSAY GEOCHEMISTRY |    |        | LAB |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|-------------------------|----------------------------------------|---------------------|----|-----|------|-------|--------------------|----|--------|-----|
| FROM           | TO    |                       |               |                       |           |     |         |                         |                                        | Py                  | Po | Cpy | AsPy | Other |                    |    |        |     |
| 190.0          | 198.0 | 191.0                 | 3.0           | 100%                  | MASSEVE   |     | 3       |                         | MOD-Fe CARB-SERICITE ALT. 10% QC VEINS | 2%                  | -  | TR. | TR.  | -     | 190.0              | 61 | 461 <5 |     |
| 191.0          | 191.0 | 194.0                 | 3.0           | 100%                  |           |     | 6       |                         | MOD-Fe CARB-SERICITE ALT. 10% QC VEINS | 2%                  | -  | TR. | TR.  | -     | 191.0              | 62 | 462 <5 |     |
| 192.0          | 191.0 | 194.0                 | 3.0           | 100%                  |           |     |         |                         | MOD-Fe CARB-SERICITE ALT. 10% QC VEINS | 2%                  | -  | TR. | TR.  | -     | 192.0              | 63 | 463 69 |     |
| 193.0          | 194.0 | 197.0                 | 3.0           | 100%                  |           |     | 7       |                         | MOD-Fe CARB-SERICITE ALT. 10% QC VEINS | 2%                  | -  | TR. | TR.  | -     | 193.0              | 64 | 464 9  |     |
| 194.0          | 194.0 | 197.0                 | 3.0           | 100%                  |           |     | 10      |                         | MOD-Fe CARB-SERICITE ALT. 10% QC VEINS | 2%                  | -  | TR. | TR.  | -     | 194.0              | 65 | 465 <5 |     |
| 195.0          | 196.0 | 197.0                 | 3.0           | 100%                  |           |     |         |                         | MOD-Fe CARB-SERICITE ALT. 10% QC VEINS | 2%                  | -  | TR. | TR.  | -     | 195.0              | 66 | 466 <5 |     |
| 196.0          | 196.0 | 197.0                 | 3.0           | 100%                  |           |     |         |                         | MOD-Fe CARB-SERICITE ALT. 10% QC VEINS | 2%                  | -  | TR. | TR.  | -     | 196.0              | 67 | 467 17 |     |
| 197.0          | 197.0 | 200.0                 | 3.0           | 100%                  |           |     | 10      |                         | MOD-Fe CARB-SERICITE ALT. 10% QC VEINS | 2%                  | -  | TR. | TR.  | -     | 197.0              | 68 | 468 <5 |     |
| 198.0          | 197.0 | 200.0                 | 3.0           | 100%                  |           |     |         |                         | MOD-Fe CARB-SERICITE ALT. 10% QC VEINS | 2%                  | -  | TR. | TR.  | -     | 198.0              | 69 | 469 <5 |     |
| 199.0          | 199.0 | 200.0                 | 3.0           | 100%                  |           |     |         |                         | MOD-Fe CARB-SERICITE ALT. 10% QC VEINS | 2%                  | -  | TR. | TR.  | -     | 199.0              | 70 | 470 <5 |     |
| 200.0          | 200.0 | 203.0                 | 3.0           | 100%                  |           |     | 4       |                         | MOD-Fe CARB-SERICITE ALT. 10% QC VEINS | 2%                  | -  | TR. | TR.  | -     | 200.0              | 71 | 471 <5 |     |
| 201.0          | 200.0 | 203.0                 | 3.0           | 100%                  |           |     |         |                         | MOD-Fe CARB-SERICITE ALT. 10% QC VEINS | 2%                  | -  | TR. | TR.  | -     | 201.0              | 72 | 472 <5 |     |
| 202.0          | 203.0 | 206.0                 | 3.0           | 100%                  | MASSEVE   |     | 10      |                         | INTENSE Fe CARB-SER. ALT. WK SILC.     | 1%                  | -  | TR. | TR.  | -     | 202.0              | 73 | 473 <5 |     |
| 203.0          | 203.0 | 206.0                 | 3.0           | 100%                  |           |     |         |                         | INTENSE Fe CARB-SER. ALT. WK SILC.     | 1%                  | -  | TR. | TR.  | -     | 203.0              | 74 | 474 <5 |     |
| 204.0          | 203.0 | 206.0                 | 3.0           | 100%                  |           |     |         |                         | INTENSE Fe CARB-SER. ALT. WK SILC.     | 1%                  | -  | TR. | TR.  | -     | 204.0              | 75 | 475 <5 |     |
| 205.0          | 203.0 | 206.0                 | 3.0           | 100%                  |           |     |         |                         | INTENSE Fe CARB-SER. ALT. WK SILC.     | 1%                  | -  | TR. | TR.  | -     | 204.5              | 76 | 476 24 |     |
|                |       |                       |               |                       |           |     |         |                         | INTENSE Fe CARB-SER. ALT. WK SILC.     | 1%                  | -  | TR. | TR.  | -     | 204.5              | 77 | 477 5  |     |

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE (DESCRIPTION)                                           | ALTERATION AND VENING             | MINERAL PERCENTAGES |                   |            |      |      | ASSAY GEOCHEMISTRY |                   |    | LAB |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|-------------------------------------------------------------------|-----------------------------------|---------------------|-------------------|------------|------|------|--------------------|-------------------|----|-----|
| FROM           | TO    |                       |               |                       |           |     |         |                                                                   |                                   | Pg                  | Po                | Cpy        | AsPy | OTH. | Au (ppb)           | Au SFA (ppb)      |    |     |
| 205.0          | 203.0 | 206.0                 | 3.0           | 100%                  | MASSIVE   | 10  |         | 202.6 - 211.2 M CONTINUED                                         | INTENSE Fe CARB-SER ALT. WK SILC. | 1%                  | .                 | .          | TR.  | .    | 205.5              | 477 <sup>71</sup> | 5  |     |
| 206.0          | -     | -                     | -             | -                     |           |     |         |                                                                   |                                   | 206.5               | 478 <sup>78</sup> | 5          |      |      |                    |                   |    |     |
| 207.0          | 206.0 | 209.0                 | 3.0           | 100%                  |           |     |         |                                                                   |                                   | 207.5               | 479 <sup>79</sup> | <5         |      |      |                    |                   |    |     |
| 208.0          | -     | -                     | -             | -                     |           |     |         |                                                                   |                                   | 208.6               | 480 <sup>80</sup> | 43         |      |      |                    |                   |    |     |
| 209.0          | -     | -                     | -             | -                     |           |     |         |                                                                   |                                   | 209.2               | 481 <sup>81</sup> | 143        |      |      |                    |                   |    |     |
| 210.0          | -     | 209.0                 | 212.0         | 3.0                   |           |     |         |                                                                   |                                   | 210.0               | 482 <sup>82</sup> | 79         |      |      |                    |                   |    |     |
| 211.0          | -     | -                     | -             | -                     |           |     |         |                                                                   |                                   | 211.2               | 483 <sup>83</sup> | 25         |      |      |                    |                   |    |     |
| 212.0          | -     | -                     | -             | -                     | MASSIVE   | 10  |         | 211.2 - 212.8 M PORPHYRITIC/PLASTIC CARB <sup>N</sup> LCX BASALT. | MOD. CHLZ.                        | 0.5%                | .                 | .          | .    | .    | 212.4              | 484 <sup>84</sup> | 36 |     |
| 213.0          | -     | 212.0                 | 215.0         | 3.0                   |           |     |         |                                                                   |                                   | 212.8               | 485 <sup>85</sup> | 275        |      |      |                    |                   |    |     |
| 214.0          | -     | -                     | -             | -                     |           |     |         |                                                                   |                                   | 213.4               | 486 <sup>86</sup> | 1294 0.796 |      |      |                    |                   |    |     |
| 215.0          | -     | -                     | -             | -                     |           |     |         |                                                                   |                                   | 214.4               | 487 <sup>87</sup> | 8          |      |      |                    |                   |    |     |
| 216.0          | -     | 215.0                 | 218.0         | 3.0                   |           |     |         |                                                                   |                                   | 215.4               | 488 <sup>88</sup> | 84         |      |      |                    |                   |    |     |
| 217.0          | -     | -                     | -             | -                     |           |     |         |                                                                   |                                   | 216.4               | 489 <sup>89</sup> | 32         |      |      |                    |                   |    |     |
| 218.0          | -     | -                     | -             | -                     |           |     |         |                                                                   |                                   | 217.4               | 490 <sup>90</sup> | 45         |      |      |                    |                   |    |     |
| 219.0          | -     | 218.0                 | 221.0         | 3.0                   |           |     |         |                                                                   |                                   | 218.2               | 491 <sup>91</sup> | 70         |      |      |                    |                   |    |     |
| 220.0          | -     | -                     | -             | -                     |           |     |         |                                                                   |                                   | 219.2               | 492 <sup>92</sup> | <5         |      |      |                    |                   |    |     |
|                |       |                       |               |                       |           |     |         |                                                                   |                                   | 220.0               | 493 <sup>93</sup> | 12         |      |      |                    |                   |    |     |

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | ROD | GRAPHIC | ROCK TYPE<br>(DESCRIPTION)                                                                                                                                                                                                                                                | ALTERATION AND VEINING                                                                                                                                                                                 | MINERAL PERCENTAGES |    |     |       |     | ASSAY GEOCHEMISTRY |              |          | LAB   |       |  |  |  |  |  |  |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----|-----|-------|-----|--------------------|--------------|----------|-------|-------|--|--|--|--|--|--|
| FROM           | TO    |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        | Py                  | Po | Cpy | AsPy  | OTH | Au (ppb)           | Au SFA (ppb) | Ag (ppb) | Other |       |  |  |  |  |  |  |
| 220.0          | 218.6 | 221.0                 | 3.0           | 100%                  | 40°       |     | 12      | 23.4 - 217.4 M CONTINUED.<br><br>217.4 - 218.2 M GTZ-CARB VNED. GRAPHITIC ARG/BRECCIA.<br><br>218.2 - 224.6 M STRONGLY CARB. SER. MOD. SILC.<br><br>INT-MAF VOLCANIC.<br><br>(NB. similar unit observed in T-91-07)<br><br>224.6 - 227.0 M STRONGLY CARB. SER. MOD. SILC. | STRONG Fe CARB. MOD SER. SIL. ALT.<br><br>50% GTZ VNDS<br><br>INTENSE CARB-SIL SER ALT. 30% GTZ-CARB "VNDS"<br><br>35% BRECC GTZ VN FRAGS<br><br>V. STRONG SER-Fe CARB ALT.<br><br>Wk SER-Fe CARB ALT. | 1%                  | -  | -   | 0.25% | -   | 0.220-2            | 494          | 494      | <5    |       |  |  |  |  |  |  |
| 221.0          |       |                       |               |                       |           |     | 15      |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        | 1%                  | -  | -   | 0.25% | -   | 221.2              | 495          | 495      | 492   |       |  |  |  |  |  |  |
| 222.0          |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        | 1%                  | -  | -   | 0.25% | -   | 222.0              | 496          | 496      | 7     |       |  |  |  |  |  |  |
| 223.0          | 221.0 | 224.0                 | 3.0           | 100%                  | 40°       |     |         |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        | 1%                  | -  | -   | 0.25% | -   | 223.0              | 497          | 497      | 5     |       |  |  |  |  |  |  |
| 224.0          |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        | 1%                  | -  | -   | 0.25% | -   | 224.0              | 498          | 498      | 7     |       |  |  |  |  |  |  |
| 225.0          |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        | 1%                  | -  | -   | 0.25% | -   | 224.6              | 499          | 499      | 29    |       |  |  |  |  |  |  |
| 226.0          |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        | 1%                  | -  | -   | 0.25% | -   | 225.1              | 500          | 500      | 262   |       |  |  |  |  |  |  |
| 227.0          |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        | 1%                  | -  | -   | 0.25% | -   | 226.0              | 601          | 601      | 1172  | 1.152 |  |  |  |  |  |  |
| 228.0          |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        | 1%                  | -  | -   | 0.25% | -   | 226.8              | 602          | 602      | 780   |       |  |  |  |  |  |  |
| 229.0          | 227.0 | 230.0                 | 3.0           | 100%                  | 40°       |     | 25      |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        | 1%                  | -  | -   | 0.25% | -   | 227.6              | 603          | 603      | 250   |       |  |  |  |  |  |  |
| 230.0          |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        | 1%                  | -  | -   | 0.25% | -   | 228.0              | 604          | 604      | 8     |       |  |  |  |  |  |  |
| 231.0          |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        | 1%                  | -  | -   | 0.25% | -   | 229.0              | 605          | 605      | 8     |       |  |  |  |  |  |  |
| 232.0          |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        | 1%                  | -  | -   | 0.25% | -   | 230.0              | 606          | 606      | 10    |       |  |  |  |  |  |  |
| 233.0          |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        | 1%                  | -  | -   | 0.25% | -   | 231.5              | 607          | 607      | <5    |       |  |  |  |  |  |  |
| 234.0          | 233.0 | 236.0                 | 3.0           | 100%                  | 40°       |     | 6       | 224.6 - 225.1 M GTZ-CARB VNED. GRAPHITIC SCHIST (FAULT).<br><br>224.6 - 225.1 M GTZ-CARB VNED. GRAPHITIC SCHIST (FAULT).<br><br>224.6 - 225.1 M GTZ-CARB VNED. GRAPHITIC SCHIST (FAULT).                                                                                  | MOD CHL ALT. PATCHY SILIC.                                                                                                                                                                             | 0.5%                | -  | -   | -     | -   | 231.5              | 608          | 608      |       |       |  |  |  |  |  |  |
| 235.0          |       |                       |               |                       |           |     | 5       |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        | 0.5%                | -  | -   | 0.25% | -   | 233.0              | 609          | 609      | 6     |       |  |  |  |  |  |  |
|                |       |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        | 0.5%                | -  | -   | 0.25% | -   | 234.5              | 610          | 610      | <5    |       |  |  |  |  |  |  |

**PROJECT** TULLY

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PROJECT TULLY

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ALTERATION AND VENING                         | MINERAL PERCENTAGES |    |     |      |   | ASSAY GEOCHEMISTRY |          | LAB |  |  |  |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------|----|-----|------|---|--------------------|----------|-----|--|--|--|
| FROM           | TO    |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                               | Pg                  | Po | Cpy | AsPy | - | OTH                | Au (ppb) |     |  |  |  |
| 235.0          | 236.0 | 3.0                   | 100%          | 75°                   |           | 5   |         | 230.0 - 229.5 M SHEARED, CALCITIC, CHLORITIZED, VARIABLY BRECCIATED & SILC BASALT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | STRONG CHL ALT, PATCHY SILCF, 25% CALC VEINS. | 0-5%                | -  | -   | -    | - | 236.0              | 610      | <5  |  |  |  |
| 236.0          | 237.0 |                       |               |                       |           | 5   |         | pred. light to med. green, vlg. soft, strongly sch @ 75° to cov, mafic to strongly chl basalt, 2 numerous (10-20% unit) auto-brecciated appearing zones to 5-10 cm, brecc frags usually oliv gray, harder, mod. silicified. - may be coarse pillow breccia; intensely varred, c. 25% f-smm to 20 cm calcite & minor qtz yrs pred. 11 sub 11 fol. & pred. calc. chl frac fill. o.5% vlg diss Pg. from 230.0-231.0, lighter green, locally wldy-mod serc, wldy Fe carb alt. @ 230.1. 1 cm Fe carb in 11 fol. from 232.0-232.5, 30 cm calcite vein @ 70° to cov. sharp contact w underlying talcose unit @ 60° to cov.                                                                                                   |                                               |                     |    |     |      |   |                    |          | 111 |  |  |  |
| 237.0          | 238.0 | 3.0                   | 100%          |                       |           |     |         | 239.5 - 245.8 M INTENSELY TALC ALTERED, VARIABLY BRECCIATED ULTRAMAFIC (KOM. FLOW)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | INTENSE TALC ALT., 15% CALC-MAG. VNS.         | 0-5%                | -  | -   | -    | - | 237.5              | 611      | <5  |  |  |  |
| 238.0          | 239.0 |                       |               |                       |           | 8   |         | vtg, bright light green, to dk greenish black, v. strongly schistose, @ av. or. 60° to cov (ranges 60°-75° to cov) w soft, intensely talc altered komatite. containing clear brecc/fragmental appearing sections to 20 cm, where 1-2 cm elong 11 fol. intensely talc alt frags in talc matrix. intensely fractured, pred. 11 sub 11 fol. & pred. talc, calcite, some magnesite fracture filling. strongly varred, c. 15% f-smm to 5 cm pred. calcite, minor magnesite veins pred. 11 sub 11 fol. only trace Pg as occ. blob ass & carb veins. from 243.0-243.5. v. fragmental app. as above. from 244.0-244.4. several 1-5 cm magnesite yrs 11 fol. sharp contact @ 245.8 @ 60° to cov, marked by 2 cm graph arg bed. |                                               |                     |    |     |      |   |                    |          | 112 |  |  |  |
| 239.0          | 240.0 | 3.0                   | 100%          |                       |           | 12  |         | 245.8 - 258.0 M STRONGLY SHEARED, SERC, CHL² FRAGMENTAL RK (AGGLOM-CONCOL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | INTENSE TALC ALT.                             | TR.                 | -  | -   | -    | - | 239.0              | 612      | <5  |  |  |  |
| 240.0          | 241.0 |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |                     |    |     |      |   | 241.0              | 613      | <5  |  |  |  |
| 241.0          | 242.0 | 3.0                   | 100%          |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |                     |    |     |      |   | 114                |          |     |  |  |  |
| 242.0          | 243.0 |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |                     |    |     |      |   | 241.0              | 614      | <5  |  |  |  |
| 243.0          | 244.0 | 3.0                   | 100%          |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |                     |    |     |      |   | 242.0              | 615      | <5  |  |  |  |
| 244.0          | 245.0 |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |                     |    |     |      |   | 242.0              | 616      | <5  |  |  |  |
| 245.0          | 246.0 |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |                     |    |     |      |   | 243.0              | 617      | <5  |  |  |  |
| 246.0          | 247.0 | 3.0                   | 100%          | 65°                   | 60°       | 20  |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | STRONG SERC-CAL ALT., PATCHY SILC.            | 0-5%                | -  | TR  | -    | - | 243.0              | 618      | <5  |  |  |  |
| 247.0          | 248.0 |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |                     |    |     |      |   | 244.0              | 619      | <5  |  |  |  |
| 248.0          | 249.0 | 3.0                   | 100%          |                       |           | 5   |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |                     |    |     |      |   | 244.0              | 619      | <5  |  |  |  |
| 249.0          | 250.0 |                       |               |                       |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |                     |    |     |      |   | 245.0              | 619      | <5  |  |  |  |

**PROJECT** Tony

HOLE DESIGNATION T-91-08

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PROJECT Toll

HOLE DESIGNATION T-91-08

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH |               | CORE RECOVERY         |           | FOLIATION OR CLEAVAGE |         | STRUCTURE | ROD | GRAPHIC | ROCK TYPE (DESCRIPTION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ALTERATION and VEINING   | MINERAL PERCENTAGES |     |     |      |   | ASSAY GEOCHEMISTRY |       |               |           | LAB |  |  |  |  |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----------------------|---------|-----------|-----|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------|-----|-----|------|---|--------------------|-------|---------------|-----------|-----|--|--|--|--|
| FROM           | TO    | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | ROD                   | GRAPHIC |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          | Py                  | Po  | Cpy | Aspy | • | Ortit              | DEPTH | SAMPLE NUMBER | Acu (ppb) |     |  |  |  |  |
| 263.0          | 266.0 | 3.0                   | 100%          | 55-60°                |           | B                     |         |           |     |         | 258.0 - 281.0 m CONTINUED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                          | 1%                  | TR. | -   | -    | - | -                  | 265.0 | 131           | 631       | <5  |  |  |  |  |
| 266.0          | 269.0 | 3.0                   | 100%          |                       |           | W                     |         |           |     |         | - @ 266.4, 2 cm qtz-calc vn @ 65° to cov.<br>- @ 266.7, 5 cm zone of irreg, patchy Fe carb alt.<br>- from 262.7-263.5, locally 10% thin calc-silicate minor qtz veins<br>to 1 cm 1 ft, & 2% py, 1% po as dissest to 5mm,<br>& thin bands 1 ft, locally alter fuchsite seams 1 ft.<br>- @ 265.7, 3cm graphitic interbed @ 45° cov.<br>- @ 266.2, 10 cm qtz-calc vn @ 70° to cov & 1% py.<br>- @ 268.8, 2 cm qtz-Fe carb-calc vn @ 70° to cov.<br>- from 269.0-281.0, bedding only vr. widely developed,<br>q. fuchsite rock looks vr. calcitic, but well dev gran.<br>lit.<br>- @ 271.3, 2 cm qtz vn @ 45° to cov.<br>- @ 271.8, 3 cm qtz-calc vn @ 70° to cov.<br>- @ 272.3, 5 cm contorted qtz-dolomite vein @ 50° cov.<br>- @ 272.8, 10 cm banded qtz-calc-Fe carb vn @ 65°<br>to cov, & tr. py. | MOD.<br>SERICITE<br>ALT. |                     |     |     |      |   |                    | 266.0 | 132           | 632       | <5  |  |  |  |  |
| 269.0          | 272.0 | 3.0                   | 100%          |                       |           | 3                     |         |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |                     |     |     |      |   |                    | 271.0 |               |           |     |  |  |  |  |
| 272.0          | 275.0 | 3.0                   | 100%          |                       |           | 3                     |         |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |                     |     |     |      |   |                    | 272.0 | 133           | 633       | <5  |  |  |  |  |
| 275.0          | 278.0 | 3.0                   | 100%          |                       |           | 3                     |         |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |                     |     |     |      |   |                    | 273.0 | 134           | 634       | <5  |  |  |  |  |
| 278.0          | 281.0 | 3.0                   | 100%          |                       |           | 4                     |         |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |                     |     |     |      |   |                    | 274.0 | 135           | 635       | <5  |  |  |  |  |
|                |       |                       |               |                       |           |                       |         |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |                     |     |     |      |   |                    | 275.0 | 136           | 636       | <5  |  |  |  |  |
|                |       |                       |               |                       |           |                       |         |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |                     |     |     |      |   |                    | 276.0 | 137           | 637       | <5  |  |  |  |  |
|                |       |                       |               |                       |           |                       |         |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |                     |     |     |      |   |                    | 277.0 | 138           | 638       | <5  |  |  |  |  |
|                |       |                       |               |                       |           |                       |         |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |                     |     |     |      |   |                    | 278.0 | 139           | 639       | <5  |  |  |  |  |
|                |       |                       |               |                       |           |                       |         |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |                     |     |     |      |   |                    | 279.0 | 40            | 640       | <5  |  |  |  |  |
|                |       |                       |               |                       |           |                       |         |           |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |                     |     |     |      |   |                    | 280.0 | 41            | 641       | <5  |  |  |  |  |

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| DRILL INTERVAL |       | RECOVERED CORE LENGTH | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | ROD | GRAPHIC | ROCK TYPE (DESCRIPTION) | ALTERATION and VENING | MINERAL PERCENTAGES |    |     |     |     | DEPTH | SAMPLE NUMBER | ASSAY GEOCHEMISTRY |  |
|----------------|-------|-----------------------|---------------|-----------------------|-----------|-----|---------|-------------------------|-----------------------|---------------------|----|-----|-----|-----|-------|---------------|--------------------|--|
| FROM           | TO    |                       |               |                       |           |     |         |                         |                       | Pg                  | Po | Cpy | Asy | Orn |       |               | Au (ppb)           |  |
| 280.0          | 281.0 | 278.0                 | 281.0         | 3.0                   | 100%      | 65° | —       | 4                       | MOD SERVITE ALT.      | 1%                  | TR | -   | -   | -   | 280.0 | 642           | 42                 |  |
|                |       |                       |               |                       |           |     |         |                         |                       |                     |    |     |     |     | 281.0 | 642           | 45                 |  |

HOLE ENDS @ 281.0M.  
 - HOLE WAS CAVING FROM 212.0M,  
 V. DIFFICULT TO PULL RODS - DRILLER'S  
 RECOMMENDED NOT PROCEEDING.

*Duncan McIvor*  
 MARCH 19, 1991.



# HOMESTAKE MINERAL DEVELOPMENT CO.

## **DIAMOND DRILL LOG**

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PROJECT Tully ELEVATION -8-  
HOLE DESIGNATION T-91-09 AZIMUTH 180°  
NTS 42A/14 DIP -50°  
CLAIM \_\_\_\_\_ LENGTH OF HOLE 176.0 M  
EASTING 14+00W (IMPERIAL GRID) CORE DIAMETER NQ.  
NORTHING 17+00N

CONTRACTOR NOREX  
DATE STARTED MARCH 25, 91  
DATE FINISHED APRIL 03.91  
LOGGED BY DUNCAN MCIVOR  
DATE APRIL, 1991  
SCALE 1:100.

| TEST DEPTH | IMPERIAL GRID. |      |       |
|------------|----------------|------|-------|
| AZIMUTH    | 0              | 9.24 | 100.0 |
| DIP        | -50°           | -50° | -50°  |

PROJECT Tony

HOLE DESIGNATION T-91-09

LOGGED BY DUNCAN MCIVOR

SCALE 1:100

1: 100

PAGE 2 OF 13

PROJECT Tony

HOLE DESIGNATION T- 91 - 09

LOGGED BY DUNCAN M'IVOR

SCALE 1:100

1:100

PAGE 3 OF 13

**PROJECT** Tally

**HOLE DESIGNATION**

T-91-09

LOGGED BY DUNCAN McEVOR

SCALE

1 : 100

PAGE 4 OF 13

PROJECT Tally

**HOLE DESIGNATION** T-91-09

LOGGED BY DUNCAN MCIVOR SCALE 1:100

SCALE 1:100

PAGE 5 OF 13

PROJECT Tony

HOLE DESIGNATION T-91-09

LOGGED BY DUNCAN MCIVOR SCALE 1:100

1:100

PAGE 6 OF 13

PROJECT Tully HOLE DESIGNATION T-91-09 LOGGED BY DUNCAN MCIVOR SCALE 1:100 PAGE 7 OF 13

PROJECT TULV

HOLE DESIGNATION T-91-09

LOGGED BY DUNCAN MCTYRE SCALE 1: 100

PAGE 8 OF 13

| DRILL INTERVAL |       | RECOVERED CORE LENGTH |      | CORE RECOVERY | FOLIATION OR CLEAVAGE | STRUCTURE | RQD | GRAPHIC |    | ROCK TYPE<br>(DESCRIPTION)     | ALTERATION and VENNING | MINERAL PERCENTAGES |      |          |   |   | ASSAY GEOCHEMISTRY |   |   | LAB |  |  |
|----------------|-------|-----------------------|------|---------------|-----------------------|-----------|-----|---------|----|--------------------------------|------------------------|---------------------|------|----------|---|---|--------------------|---|---|-----|--|--|
| FROM           | TO    |                       |      |               |                       |           |     | Pg      | Po | Cpy                            | Ashy                   | -                   | OTH  | Ag (ppm) |   |   |                    |   |   |     |  |  |
| 95.0           | 98.0  | 3.0                   | 100% | MASSENE       |                       |           | 4   |         |    | <u>32.0-124.4 M CONTINUED.</u> | WKL<br>CHL<br>SAUSS    | 0.5%                | 0.5% | TR.      | - | - | -                  | - | - | -   |  |  |
| 98.0           | 101.0 | 3.0                   | 100% |               |                       |           | 5   |         |    |                                |                        | 0.5%                | 0.5% | TR.      | - | - | -                  | - | - |     |  |  |
| 101.0          | 104.0 | 3.0                   | 100% |               |                       |           | 3   |         |    |                                |                        | 0.5%                | 0.5% | TR.      | - | - | -                  | - | - |     |  |  |
| 104.0          | 107.0 | 3.0                   | 100% |               |                       |           | 3   |         |    |                                |                        | 0.5%                | 0.5% | TR.      | - | - | -                  | - | - |     |  |  |
| 107.0          | 110.0 | 3.0                   | 100% |               |                       |           | 4   |         |    |                                |                        | 0.5%                | 0.5% | TR.      | - | - | -                  | - | - |     |  |  |
|                |       |                       |      |               |                       |           |     |         |    |                                |                        | 0.5%                | 0.5% | TR.      | - | - | -                  | - | - |     |  |  |

PROJECT Tony

HOLE DESIGNATION T-91-09

LOGGED BY DUNCAN MCIVOR SCALE 1: 100

PAGE 9 OF 13

PROJECT Tony

HOLE DESIGNATION T-91-09

LOGGED BY DUNCAN MCIVOR

SCALE 1:100

1150

PAGE 10 OF 13

PROJECT Tower

**HOLE DESIGNATION**

T-91-09

LOGGED BY DUNCAN MCIVOR

SCALE 1:10

1 : 100

PAGE 11 OF 13

PROJECT Tony

HOLE DESIGNATION T-91-09

LOGGED BY DUNCAN MCIVOR

— SCALE

1:100

PAGE 12 OF 13

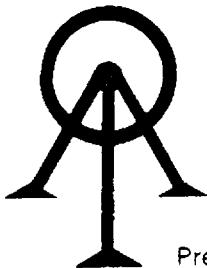
PROJECT TOLWY

HOLE DESIGNATION T-91-09

LOGGED BY DUNCAN MCFYER SCALE 1:100

1: 100

PAGE 13 OF 13



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Page : 1

38264

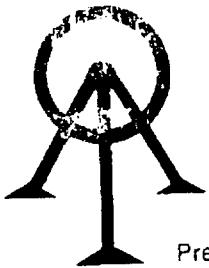
Mr. Duncan MacIvor  
Homestake Mineral Development Date: February 13 1991  
P.O. Box 290  
Timmins, Ontario  
P4N 7N6

Work Order # : 910144  
Project : Tully

| SAMPLE NUMBERS<br>Accurassay | CUSTOMER | Gold<br>ppb |
|------------------------------|----------|-------------|
| 236737                       | 2101     | 346         |
| 236738                       | 2102     | 10          |
| 236739                       | 2103     | <5          |
| 236730                       | 2104     | <5          |
| 236731                       | 2105     | <5          |
| 236732                       | 2106     | <5          |
| 236733                       | 2107     | 7           |
| 236734                       | 2108     | <5          |
| 236735                       | 2109     | <5          |
| 236736                       | 2110     | <5          |
| 236736                       | 2110     | <5 Check    |
| 236737                       | 2111     | 7           |
| 236738                       | 2112     | <5          |
| 236739                       | 2113     | <5          |
| 236740                       | 2114     | <5          |
| 236741                       | 2115     | <5          |
| 236742                       | 2116     | <5          |
| 236743                       | 2117     | 5           |
| 236744                       | 2118     | <5          |
| 236745                       | 2119     | <5          |
| 236746                       | 2119     | <5 Check    |
| 236746                       | 2120     | <5          |
| 236747                       | 2121     | <5          |
| 236748                       | 2122     | <5          |
| 236749                       | 2123     | <5          |
| 236750                       | 2124     | 5           |
| 236751                       | 2125     | <5          |
| 236752                       | 2126     | <5          |
| 236753                       | 2127     | 7           |
| 236754                       | 2128     | 9           |
| 236754                       | 2128     | 12 Check    |

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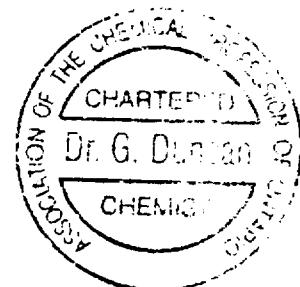
Page: 3

38265

Mr. Duncan MacIvor  
Homestake Mineral Development Date: February 13 1981  
P.O. Box 290  
Timmins, Ontario  
P4N 7N6

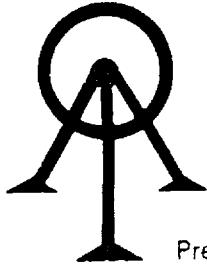
Work Order # : 910144  
Project : Tully

| SAMPLE NUMBERS | Customer | Gold<br>ppb |
|----------------|----------|-------------|
| 2126736        | 2129     | 47          |
| 2126735        | 2129     | 47 Check    |



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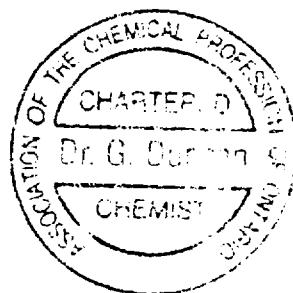
Page: 1

Mr. Duncan McIvor  
Homestake Mineral Development  
P.O. Box 290  
38302 Timmins, Ontario  
P4N 7N6

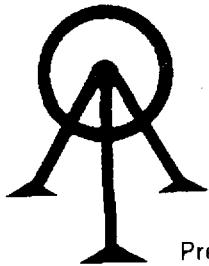
Date: February 15 1991

Work Order # : 910157A  
Project : Tully

| SAMPLE NUMBERS<br>Accurassay | CUSTOMER | Gold<br>ppb |
|------------------------------|----------|-------------|
| 236920                       | 2130     | 76          |
| 236921                       | 2131     | <5          |
| 236922                       | 2132     | 83          |
| 236923                       | 2133     | <5          |
| 236924                       | 2134     | <5          |
| 236925                       | 2135     | <5          |
| 236926                       | 2136     | <5          |
| 236927                       | 2137     | <5          |
| 236928                       | 2138     | <5          |
| 236929                       | 2139     | 6           |
| 236929                       | 2139     | 9 Check     |
| 236930                       | 2140     | 36          |
| 236931                       | 2141     | 7           |
| 236932                       | 2142     | <5          |
| 236933                       | 2143     | 6           |
| 236934                       | 2144     | 6           |
| 236935                       | 2145     | <5          |
| 236936                       | 2146     | <5          |
| 236937                       | 2147     | 9           |
| 236938                       | 2148     | <5          |
| 236938                       | 2148     | Check       |
| 236939                       | 2149     | <5          |
| 236940                       | 2150     | <5          |
| 236941                       | 2151     | <5          |
| 236942                       | 2152     | <5          |
| 236943                       | 2153     | <5          |
| 236944                       | 2154     | <5          |
| 236945                       | 2155     | 5           |
| 236946                       | 2156     | <5          |
| 236947                       | 2157     | 7           |
| 236947                       | 2157     | 5 Check     |



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Page: 2

Mr. Duncan McIvor  
Homestake Mineral Development  
P.O. Box 290  
38303 Timmins, Ontario  
P4N 7N6

Date: February 15 1991

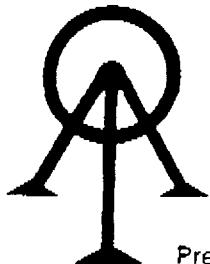
Work Order #: 910157A  
Project : Tully

| SAMPLE NUMBERS | Customer | Gold<br>ppb |
|----------------|----------|-------------|
| Accurassay     |          |             |
| 236948         | 2158     | 6           |
| 236949         | 2159     | <5          |
| 236950         | 2160     | <5          |
| 236951         | 2161     | <5          |
| 236951         | 2161     | <5 Check    |



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Page: 1

Mr. Duncan McIvor  
Homestake Mineral Development  
38338 P.O. Box 290  
Timmins, Ontario  
P4N 7N6

Date: February 18 1991

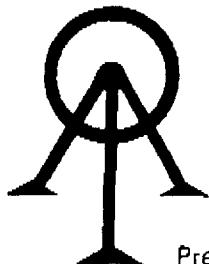
Work Order # : 910168  
Project : # 5755

| SAMPLE NUMBERS<br>Accurassay | CUSTOMER | Gold<br>ppb |
|------------------------------|----------|-------------|
| 237204                       | 2162     | <5          |
| 237205                       | 2163     | 5           |
| 237206                       | 2164     | <5          |
| 237207                       | 2165     | 5           |
| 237208                       | 2166     | <5          |
| 237209                       | 2167     | 5           |
| 237210                       | 2168     | <5          |
| 237211                       | 2169     | <5          |
| 237212                       | 2170     | <5          |
| 237213                       | 2171     | <5          |
| 237213                       | 2171     | <5 Check    |
| 237214                       | 2172     | <5          |
| 237215                       | 2173     | <5          |
| 237216                       | 2174     | <5          |
| 237217                       | 2175     | <5          |
| 237218                       | 2176     | <5          |
| 237219                       | 2177     | <5          |
| 237220                       | 2178     | <5          |
| 237221                       | 2179     | <5          |
| 237222                       | 2180     | <5          |
| 237222                       | 2180     | <5 Check    |
| 237223                       | 2181     | <5          |
| 237224                       | 2182     | <5          |
| 237225                       | 2183     | <5          |
| 237226                       | 2184     | <5          |
| 237227                       | 2185     | <5          |
| 237228                       | 2186     | <5          |
| 237229                       | 2187     | <5          |
| 237230                       | 2188     | <5          |
| 237231                       | 2189     | <5          |
| 237231                       | 2189     | <5 Check    |



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Page: 2

Mr. Duncan McIvor  
Homestake Mineral Development      Date: February 18 1991  
38339 P.O. Box 290  
Timmins, Ontario  
P4N 7N6

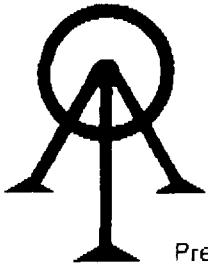
Work Order #: 910168  
Project #: # 5755

| SAMPLE NUMBERS<br>Accurassay | CUSTOMER<br>Customer | Gold<br>ppb |
|------------------------------|----------------------|-------------|
| 237232                       | 2190                 | <5          |
| 237233                       | 2191                 | <5          |
| 237234                       | 2192                 | 6           |
| 237235                       | 2193                 | <5          |
| 237236                       | 2194                 | 5           |
| 237237                       | 2195                 | <5          |
| 237238                       | 2196                 | <5          |
| 237239                       | 2197                 | <5          |
| 237240                       | 2198                 | <5          |
| 237240                       | 2198                 | <5 Check    |
| 237241                       | 2199                 | <5          |
| 237242                       | 2200                 | 5           |
| 237243                       | 2201                 | <5          |
| 237244                       | 2202                 | 11          |
| 237245                       | 2203                 | 5           |
| 237246                       | 2204                 | <5          |
| 237247                       | 2205                 | <5          |
| 237248                       | 2206                 | 5           |
| 237249                       | 2207                 | <5          |
| 237249                       | 2207                 | <5 Check    |
| 237250                       | 2208                 | <5          |
| 237251                       | 2209                 | <5          |
| 237252                       | 2210                 | <5          |
| 237252                       | 2210                 | <5 Check    |



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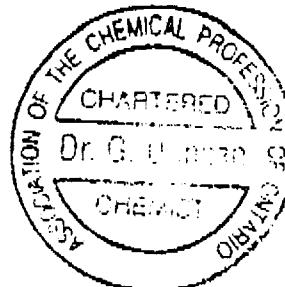
Page: 1

Mr. Duncan McIvor  
Homestake Mineral Development  
38380 P.O. Box 290  
Timmins, Ontario  
P4N 7N6

Date: February 20 1991

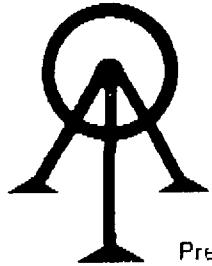
Work Order #: 910176  
Project #: # 5755

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|----------------|----------|-------------|
| 237515         | 2211     | <5          |
| 237516         | 2212     | <5          |
| 237517         | 2213     | <5          |
| 237518         | 2214     | <5          |
| 237519         | 2215     | 6           |
| 237520         | 2216     | 5           |
| 237521         | 2217     | <5          |
| 237522         | 2218     | <5          |
| 237523         | 2219     | <5          |
| 237524         | 2220     | <5          |
| 237524         | 2220     | <5 Check    |
| 237525         | 2221     | <5          |
| 237526         | 2222     | <5          |
| 237527         | 2223     | <5          |
| 237528         | 2224     | <5          |
| 237529         | 2225     | <5          |
| 237530         | 2226     | <5          |
| 237531         | 2227     | <5          |
| 237532         | 2228     | <5          |
| 237533         | 2229     | <5          |
| 237533         | 2229     | <5 Check    |
| 237534         | 2230     | <5          |
| 237535         | 2231     | <5          |
| 237536         | 2232     | <5          |
| 237537         | 2233     | <5          |
| 237538         | 2234     | <5          |
| 237539         | 2235     | <5          |
| 237540         | 2236     | <5          |
| 237541         | 2237     | <5          |
| 237542         | 2238     | <5          |
| 237542         | 2238     | <5 Check    |



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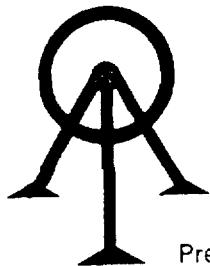
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Mr. Duncan McIvor  
Homestake Mineral Development      Date: February 20 1991  
38381 P.O. Box 290  
Timmins, Ontario  
P4N 7N6      Work Order # : 910176  
                    Project : # 5755

| SAMPLE NUMBERS | Customer | Gold<br>ppb |
|----------------|----------|-------------|
| 237543         | 2239     | <5          |
| 237544         | 2240     | <5          |
| 237544         | 2240     | <5 Check    |



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## Certificate of Analysis

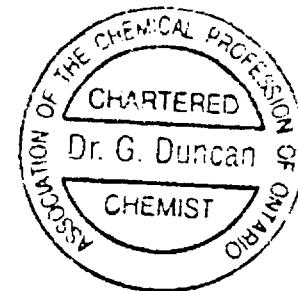
Page: 1

Mr. Duncan McIvor  
Homestake Mineral Development  
38386 P.O. Box 290  
Timmins, Ontario  
P4N 7N6

Date: February 21 1991

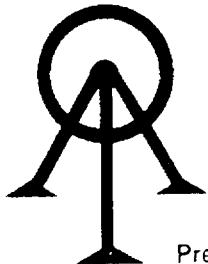
Work Order # : 910177  
Project : # 5755

| SAMPLE NUMBERS | Customer | Gold<br>ppb |
|----------------|----------|-------------|
| Accurassay     |          |             |
| 237545         | 2241     | 5           |
| 237546         | 2242     | <5          |
| 237547         | 2243     | 5           |
| 237548         | 2244     | <5          |
| 237549         | 2245     | <5          |
| 237550         | 2246     | <5          |
| 237551         | 2247     | 150         |
| 237552         | 2248     | 10          |
| 237553         | 2249     | 13          |
| 237554         | 2250     | 14          |
| 237554         | 2250     | 15 Check    |
| 237555         | 2251     | 71          |
| 237556         | 2252     | 27          |
| 237557         | 2253     | 975         |
| 237558         | 2254     | 145         |
| 237559         | 2255     | 281         |
| 237560         | 2256     | 133         |
| 237561         | 2257     | 106         |
| 237562         | 2258     | 297         |
| 237563         | 2259     | 33          |
| 237563         | 2259     | 28 Check    |
| 237564         | 2260     | 325         |
| 237565         | 2261     | 33          |
| 237566         | 2262     | 110         |
| 237567         | 2263     | 352         |
| 237568         | 2264     | 7           |
| 237569         | 2265     | <5          |
| 237570         | 2266     | <5          |
| 237571         | 2267     | <5          |
| 237572         | 2268     | <5          |
| 237572         | 2268     | <5 Check    |



Per: \_\_\_\_\_





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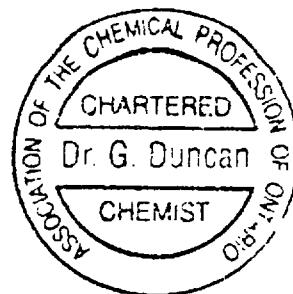
Page: 2

Mr. Duncan McIvor  
Homestake Mineral Development  
38387 P.O. Box 290  
Timmmins, Ontario  
P4N 7N6

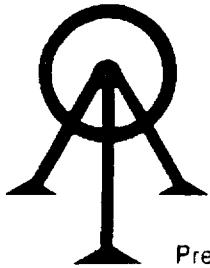
Date: February 21 19 91

Work Order # : 910177  
Project : # 5755

| SAMPLE NUMBERS | Customer | Gold     |
|----------------|----------|----------|
| Accurassay     |          | ppb      |
| 237573         | 2269     | <5       |
| 237574         | 2270     | <5       |
| 237574         | 2270     | <5 Check |



Per: G. Duncan



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## Certificate of Analysis

Page: 1

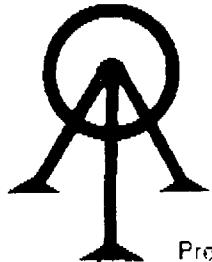
Mr. Duncan McIvor  
Homestake Mineral Development  
F.O. Box 290  
38392 Timmins, Ontario  
P4N 7N6

Date: February 21 1991

Work Order #: 910176  
Project #: # 5755

| SAMPLE NUMBERS | Customer | Gold<br>ppb |
|----------------|----------|-------------|
| 237575         | 2271     | 12          |
| 237576         | 2272     | 10          |
| 237577         | 2273     | 26          |
| 237578         | 2274     | 26          |
| 237579         | 2275     | 44          |
| 237580         | 2276     | 121         |
| 237581         | 2277     | 20          |
| 237582         | 2278     | 25          |
| 237583         | 2279     | 7           |
| 237584         | 2280     | 7           |
| 237584         | 2280     | 11 Check    |
| 237585         | 2281     | <5          |
| 237586         | 2282     | 5           |
| 237587         | 2283     | 8           |
| 237588         | 2284     | 9           |
| 237589         | 2285     | 6           |
| 237590         | 2286     | 8           |
| 237591         | 2287     | 17          |
| 237592         | 2288     | 9           |
| 237593         | 2289     | 5           |
| 237593         | 2289     | 7 Check     |
| 237594         | 2290     | 7           |
| 237595         | 2291     | 6           |
| 237596         | 2292     | 8           |
| 237597         | 2293     | 10          |
| 237598         | 2294     | 18          |
| 237599         | 2295     | 12          |
| 237600         | 2296     | <5          |
| 237601         | 2297     | <5          |
| 237602         | 2298     | 5           |
| 237602         | 2298     | <5 Check    |

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39002

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Page: 1

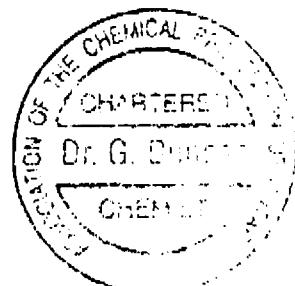
Mr. Duncan McIvor  
 Homestake Mineral Development  
 P.O. Box 290  
 Timmins, Ontario  
 P4N 7N6

February 22

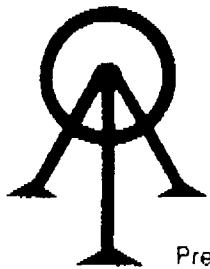
91

Work Order # : 910188A  
 Project : #5755

| SAMPLE NUMBERS | Customer | Gold<br>ppb |       |
|----------------|----------|-------------|-------|
| 237754         | 2299     | 12          |       |
| 237755         | 2300     | 10          |       |
| 237756         | 2301     | 5           |       |
| 237757         | 2302     | 6           |       |
| 237758         | 2303     | 5           |       |
| 237759         | 2304     | <5          |       |
| 237760         | 2305     | <5          |       |
| 237761         | 2306     | <5          |       |
| 237762         | 2307     | <5          |       |
| 237763         | 2308     | <5          |       |
| 237763         | 2308     | <5          | Check |
| 237764         | 2309     | <5          |       |
| 237765         | 2310     | <5          |       |
| 237766         | 2311     | <5          |       |
| 237767         | 2312     | <5          |       |
| 237768         | 2313     | <5          |       |
| 237769         | 2314     | 5           |       |
| 237770         | 2315     | 8           |       |
| 237771         | 2316     | 76          |       |
| 237772         | 2317     | <5          |       |
| 237772         | 2317     | <5          | Check |
| 237773         | 2318     | <5          |       |
| 237774         | 2319     | <5          |       |
| 237775         | 2320     | 12          |       |
| 237776         | 2321     | 6           |       |
| 237777         | 2322     | <5          |       |
| 237778         | 2323     | 6           |       |
| 237779         | 2324     | 8           |       |
| 237780         | 2325     | 6           |       |
| 237781         | 2326     | 34          |       |
| 237781         | 2326     | 38          | Check |



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39003

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Page: 2

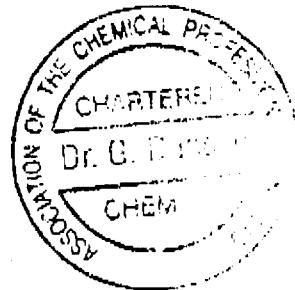
Mr. Duncan McIvor  
Homestake Mineral Development  
P.O. Box 290  
Timmins, Ontario  
P4N 7N6

February 22

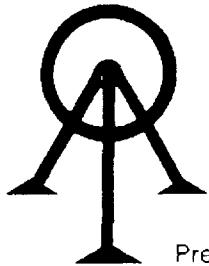
91

Work Order # : 910188A  
Project : #5755

| SAMPLE NUMBERS | Customer | Gold<br>ppb |
|----------------|----------|-------------|
| 237782         | 2327     | 17          |
| 237783         | 2328     | 56          |
| 237784         | 2329     | 19          |
| 237785         | 2330     | 34          |
| 237785         | 2330     | 32 Check    |



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59030

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Page: 1

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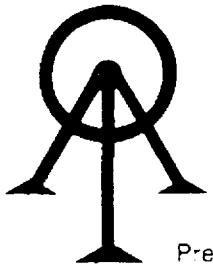
February 25

91

Work Order # : 910191  
Project : # 5755

| SAMPLE NUMBERS | Customer | Gold<br>ppb | T-91-03 |
|----------------|----------|-------------|---------|
| 237890         | 2331     | 102         |         |
| 237891         | 2332     | 105         |         |
| 237892         | 2333     | 102         |         |
| 237893         | 2334     | 56          |         |
| 237894         | 2335     | <5          |         |
| 237895         | 2336     | 37          |         |
| 237896         | 2337     | 208         |         |
| 237897         | 2338     | 581         |         |
| 237898         | 2339     | 37          |         |
| 237899         | 2340     | 287         |         |
| 237900         | 2340     | 281         | Check   |
| 237901         | 2341     | 516         |         |
| 237902         | 2342     | 227         |         |
| 237903         | 2343     | 861         |         |
| 237904         | 2344     | 435         |         |
| 237905         | 2345     | 148         |         |
| 237906         | 2346     | 119         |         |
| 237907         | 2347     | 64          |         |
| 237908         | 2348     | 67          |         |
| 237909         | 2349     | 28          |         |
| 237910         | 2349     | 27          | Check   |
| 237911         | 2350     | 58          |         |
| 237912         | 2351     | 22          |         |
| 237913         | 2352     | 19          |         |
| 237914         | 2353     | 95          |         |
| 237915         | 2354     | 45          |         |
| 237916         | 2355     | 25          |         |
| 237917         | 2356     | 15          |         |
| 237918         | 2357     | 47          |         |
| 237919         | 2358     | 44          |         |
| 237920         | 2359     | 52          | Check   |

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39031

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Page: 2

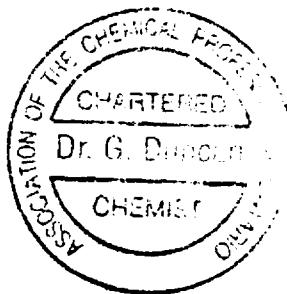
Mr. Duncan McIvor  
Homestake Mineral Development  
P.O. Box 290  
Timmins, Ontario  
P4N 7NE

February 25

91

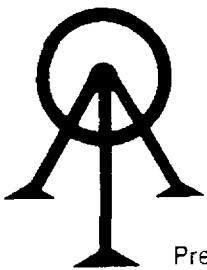
Work Order #: 910191  
Project #: # 5755

| SAMPLE NUMBERS | Customer | Gold<br>ppb |         |
|----------------|----------|-------------|---------|
| Accurassay     |          |             | T-91-03 |
| 237918         | 2359     | 28          |         |
| 237919         | 2360     | 22          |         |
| 237919         | 2360     | 22          | Check   |



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*G. Duncan*



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39032

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Page: 1

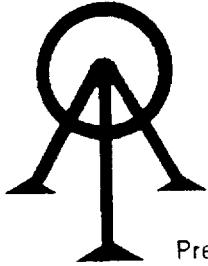
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 Timmins, Ontario  
 P4N 7N6

February 25

Work Order # : 910192  
 Project : # 5755

| SAMPLE NUMBERS<br>Accurassay | CUSTOMER | Gold<br>ppb | T. 91-03 |
|------------------------------|----------|-------------|----------|
| 237920                       | 2361     | 17          |          |
| 237921                       | 2362     | 13          |          |
| 237922                       | 2363     | <5          |          |
| 237923                       | 2364     | <5          |          |
| 237924                       | 2365     | <5          |          |
| 237925                       | 2366     | <5          |          |
| 237926                       | 2367     | <5          |          |
| 237927                       | 2368     | <5          |          |
| 237928                       | 2369     | <5          |          |
| 237929                       | 2370     | <5          |          |
| 237929                       | 2370     | <5 Check    |          |
| 237930                       | 2371     | <5          |          |
| 237931                       | 2372     | <5          |          |
| 237932                       | 2373     | <5          |          |
| 237933                       | 2374     | <5          |          |
| 237934                       | 2375     | <5          |          |
| 237935                       | 2376     | <5          |          |
| 237936                       | 2377     | <5          |          |
| 237937                       | 2378     | <5          |          |
| 237938                       | 2379     | 8           |          |
| 237938                       | 2379     | 5 Check     |          |
| 237939                       | 2380     | 5           |          |
| 237940                       | 2381     | <5          |          |
| 237941                       | 2382     | <5          |          |
| 237942                       | 2383     | 17          |          |
| 237943                       | 2384     | 12          |          |
| 237944                       | 2385     | 13          |          |
| 237945                       | 2386     | 21          |          |
| 237946                       | 2387     | 13          |          |
| 237947                       | 2388     | 16          |          |
| 237947                       | 2388     | 15 Check    |          |

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39033

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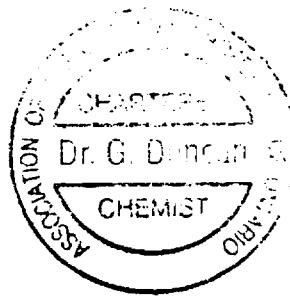
Mr. Duncan McIvor  
 Homestake Mineral Development  
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 Timmins, Ontario  
 P4N 7N6

February 25

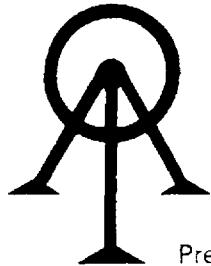
91

Work Order # : 910192  
 Project : # 5765

| SAMPLE NUMBERS | Customer | Gold<br>ppb | T-91-03 |
|----------------|----------|-------------|---------|
| Accurassay     |          |             |         |
| 237948         | 2389     | 10          |         |
| 237949         | 2390     | 10          |         |
| 237949         | 2390     | 11 Check    |         |



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Page: 1

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 P4N 7N6

February 25

91

Work Order #: 910193  
 Project #: # 5755

| SAMPLE NUMBERS | Customer | Gold<br>ppb |
|----------------|----------|-------------|
| 237950         | 2391     | 8           |
| 237951         | 2392     | 10          |
| 237952         | 2393     | 6           |
| 237953         | 2394     | 5           |
| 237954         | 2395     | 6           |
| 237955         | 2396     | 6           |
| 237956         | 2397     | 8           |
| 237957         | 2398     | <5          |
| 237958         | 2399     | 17          |
| 237959         | 2400     | <5          |
| 237959         | 2400     | <5 Check    |
| 237960         | 2401     | <5          |
| 237961         | 2402     | <5          |
| 237962         | 2403     | 7           |
| 237963         | 2404     | 6           |
| 237964         | 2405     | 52          |
| 237965         | 2406     | <5          |
| 237966         | 2407     | <5          |
| 237967         | 2408     | <5          |
| 237968         | 2409     | <5          |
| 237968         | 2409     | <5 Check    |
| 237969         | 2410     | <5          |
| 237970         | 2411     | <5          |
| 237971         | 2412     | 5           |
| 237972         | 2413     | <5          |
| 237973         | 2414     | <5          |
| 237973         | 2414     | <5 Check    |

T-91-63.

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P4N 7N6

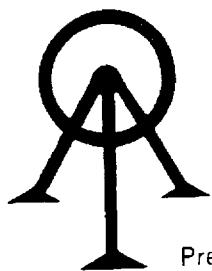
February 27

Work Order # : 91020  
Project : 5755

| SAMPLE NUMBERS<br>Accurassay | Customer | Gold<br>ppb |
|------------------------------|----------|-------------|
| 238131                       | 2415     | <5          |
| 238132                       | 2416     | <5          |
| 238133                       | 2417     | <5          |
| 238134                       | 2418     | <5          |
| 238135                       | 2419     | <5          |
| 238136                       | 2420     | <5          |
| 238137                       | 2421     | <5          |
| 238138                       | 2422     | <5          |
| 238139                       | 2423     | <5          |
| 238140                       | 2424     | <5          |
| 238140                       | 2424     | <5 Check    |
| 238141                       | 2425     | <5          |
| 238142                       | 2426     | <5          |
| 238143                       | 2427     | <5          |
| 238144                       | 2428     | 10          |
| 238145                       | 2429     | 23          |
| 238146                       | 2430     | 5           |
| 238147                       | 2431     | 34          |
| 238148                       | 2432     | 11          |
| 238149                       | 2433     | 7           |
| 238149                       | 2433     | 7 Check     |
| 238150                       | 2434     | 14          |
| 238151                       | 2435     | 24          |
| 238152                       | 2436     | 7086        |
| 238153                       | 2437     | 21          |
| 238154                       | 2438     | 48          |
| 238155                       | 2439     | 25          |
| 238156                       | 2440     | 7           |
| 238156                       | 2440     | 7 Check     |

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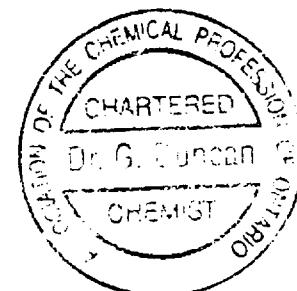
Mr. Duncan McIvor  
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February 27

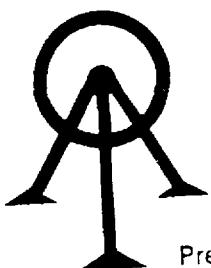
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Work Order # : 910208  
 Project : 5755

| SAMPLE NUMBERS | Customer | Gold<br>ppb |
|----------------|----------|-------------|
| Accurassay     |          |             |
| 238157         | 2441     | 8           |
| 238158         | 2442     | 1954        |
| 238159         | 2443     | 78          |
| 238160         | 2444     | 134         |
| 238161         | 2445     | 67          |
| 238162         | 2446     | 12          |
| 238163         | 2447     | 20          |
| 238164         | 2448     | 136         |
| 238165         | 2449     | 92          |
| 238166         | 2450     | <5          |
| 238166         | 2450     | <5 Check    |
| 238167         | 2451     | 8           |
| 238168         | 2452     | 494         |
| 238169         | 2453     | 84          |
| 238170         | 2454     | 25          |
| 238171         | 2455     | 373         |
| 238172         | 2456     | 199         |
| 238173         | 2457     | 437         |
| 238174         | 2458     | 61          |
| 238175         | 2459     | 293         |
| 238175         | 2459     | 231 Check   |
| 238176         | 2460     | 57          |
| 238177         | 2461     | 125         |
| 238178         | 2462     | 90          |
| 238178         | 2463     | 51          |
| 238179         | 2464     | 641         |
| 238180         | 2465     | 10          |
| 238181         | 2466     | 64          |
| 238182         | 2466     | 80 Check    |
| 238182         |          |             |



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39087

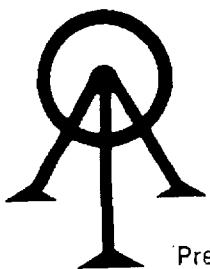
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P4N 7N6

February 28

Work Order # : 9102  
Project : 5755

| SAMPLE NUMBERS<br>Accurassay | Customer | Gold<br>ppb |
|------------------------------|----------|-------------|
| 238183                       | 2467     | 261         |
| 238184                       | 2468     | 75          |
| 238185                       | 2469     | 98          |
| 238186                       | 2470     | 21          |
| 238187                       | 2471     | 40          |
| 238188                       | 2472     | 5           |
| 238189                       | 2473     | 8           |
| 238190                       | 2474     | 12          |
| 238191                       | 2475     | 7           |
| 238192                       | 2476     | <5          |
| 238192                       | 2476     | Check       |
| 238193                       | 2477     | 14          |
| 238193                       | 2478     | 17          |
| 238194                       | 2479     | <5          |
| 238195                       | 2480     | <5          |
| 238196                       | 2481     | <5          |
| 238197                       | 2482     | 19          |
| 238198                       | 2483     | <5          |
| 238199                       | 2484     | <5          |
| 238200                       | 2485     | <5          |
| 238201                       | 2485     | Check       |
| 238201                       | 2486     | 7           |
| 238202                       | 2487     | 7           |
| 238203                       | 2488     | <5          |
| 238204                       | 2489     | <5          |
| 238205                       | 2490     | <5          |
| 238206                       | 2491     | <5          |
| 238207                       | 2492     | <5          |
| 238208                       | 2493     | <5          |
| 238209                       | 2494     | <5          |
| 238210                       | 2494     | Check       |
| 238210                       |          |             |



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39088

# Certificate of Analysis

Page

Mr. Duncan McIvor  
Homestake Mineral Development  
P.O. Box 290  
Timmins, Ontario  
P4N 7N6

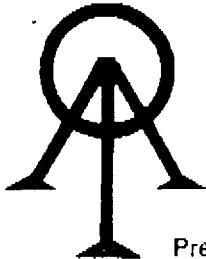
February 28

Work Order # : 910209  
Project : 5755

| SAMPLE NUMBER | Customer | Gold<br>ppb |
|---------------|----------|-------------|
| Accurassay    |          |             |
| 238211        | 2495     | <5          |
| 238212        | 2496     | 6           |
| 238213        | 2497     | 174         |
| 238214        | 2498     | 110         |
| 238215        | 2499     | 309         |
| 238216        | 2500     | 63          |
| 238216        | 2500     | 57 Check    |



Per:



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39102

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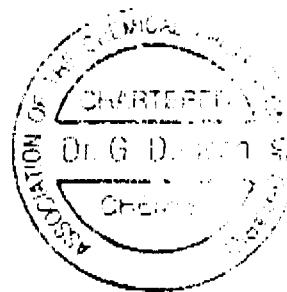
Mr. Duncan McIvor  
Homestake Mineral Development  
P.O. Box 290  
Timmins, Ontario  
P4N 7N6

February 28

91

Work Order #: 910211  
Project : 5755

| SAMPLE NUMBERS | Customer | Gold<br>ppb |
|----------------|----------|-------------|
| 238228         | 3725     | 10          |
| 238229         | 3726     | 9           |
| 238230         | 3727     | 6           |
| 238231         | 3728     | <5          |
| 238232         | 3729     | <5          |
| 238233         | 3730     | <5          |
| 238234         | 3731     | 6           |
| 238235         | 3732     | 6           |
| 238236         | 3733     | 11          |
| 238237         | 3734     | 8           |
| 238237         | 3734     | 7 Check     |
| 238238         | 3735     | <5          |
| 238239         | 3736     | <5          |
| 238240         | 3737     | <5          |
| 238241         | 3738     | <5          |
| 238242         | 3739     | <5          |
| 238243         | 3740     | 29          |
| 238244         | 3741     | 40          |
| 238245         | 3742     | <5          |
| 238246         | 3743     | 8           |
| 238246         | 3743     | <5 Check    |
| 238247         | 3744     | <5          |
| 238248         | 3745     | <5          |
| 238249         | 3746     | <5          |
| 238250         | 3747     | 164         |
| 238251         | 3748     | 51          |
| 238252         | 3749     | 829         |
| 238253         | 3750     | 704         |
| 238254         | 3751     | 418         |
| 238255         | 3752     | 587         |
| 238255         | 3752     | 569 Check   |



Per: \_\_\_\_\_

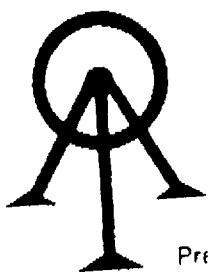
*G. Duncan*

RCV BY:XEROX TELECOPIER 7011 : 5- 1-90  
Mar. 1 '91 16:01 0000 ACCURASSAY LABS

3:59PM :

705 568 8368

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39103

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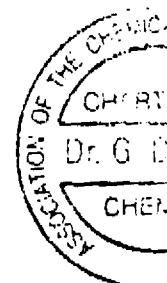
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Mr. Duncan McIvor  
Homestake Mineral Development  
P.O. Box 290  
Timmins, Ontario  
P4N 7N6

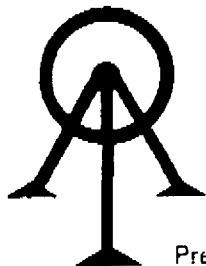
February 28

Work Order # : 910211  
Project : 5755

| SAMPLE NUMBERS | Customer | Gold<br>ppb |
|----------------|----------|-------------|
| Accurassay     |          | 3033        |
| 238256         | 3753     | 409         |
| 238257         | 3754     | 156         |
| 238258         | 3755     | 280         |
| 238259         | 3756     | 264         |
| 238260         | 3757     | 608         |
| 238261         | 3758     | 588 Check   |
| 238261         |          |             |



b1



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39104

## Certificate of Analysis

Page: 1

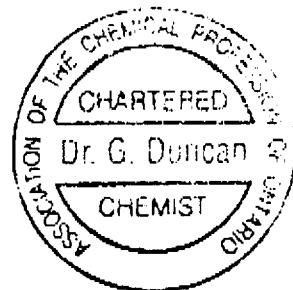
Mr. Duncan McIvor  
 Homestake Mineral Development  
 P.O. Box 290  
 Timmins, Ontario  
 P4N 7N6

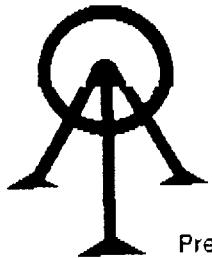
February 28

91

Work Order # : 910212  
 Project : 5755

| SAMPLE NUMBERS<br>Accurassay | CUSTOMER | Gold<br>ppb |
|------------------------------|----------|-------------|
| 238262                       | 3759     | 960         |
| 238263                       | 3760     | 235         |
| 238264                       | 3761     | 847         |
| 238265                       | 3762     | 752         |
| 238266                       | 3763     | 811         |
| 238267                       | 3764     | 10          |
| 238268                       | 3765     | 6           |
| 238269                       | 3766     | 16          |
| 238270                       | 3767     | 7           |
| 238271                       | 3768     | <5          |
| 238271                       | 3768     | <5 Check    |
| 238272                       | 3769     | 64          |
| 238273                       | 3770     | 60          |
| 238274                       | 3771     | 372         |
| 238275                       | 3772     | 171         |
| 238276                       | 3773     | 397         |
| 238277                       | 3774     | 315         |
| 238278                       | 3775     | 2728        |
| 238279                       | 3776     | 1063        |
| 238280                       | 3777     | 806         |
| 238280                       | 3777     | 836 Check   |
| 238281                       | 3778     | 503         |
| 238282                       | 3779     | 6           |
| 238283                       | 3780     | <5          |
| 238284                       | 3781     | <5          |
| 238285                       | 3782     | <5          |
| 238286                       | 3783     | 10          |
| 238287                       | 3784     | <5          |
| 238288                       | 3785     | <5          |
| 238289                       | 3786     | 32          |
| 238289                       | 3786     | 35 Check    |

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39105

# Certificate of Analysis

Page: 2

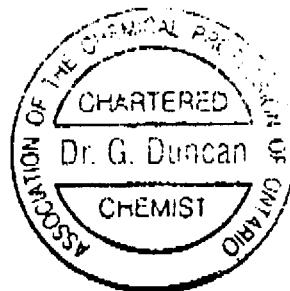
Mr. Duncan McIvor  
Homestake Mineral Development  
P.O. Box 290  
Timmis, Ontario  
P4N 7N6

February 28

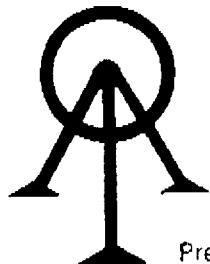
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Work Order # : 910212  
Project : 5755

| SAMPLE NUMBERS<br>Accurassay | Customer | Gold<br>ppb |
|------------------------------|----------|-------------|
| 238290                       | 3787     | 175         |
| 238291                       | 3788     | 1417        |
| 238292                       | 3789     | 142         |
| 238293                       | 3790     | <5          |
| 238294                       | 3791     | <5          |
| 238295                       | 3792     | <5          |
| 238295                       | 3792     | Check       |



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33114

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Page: 2

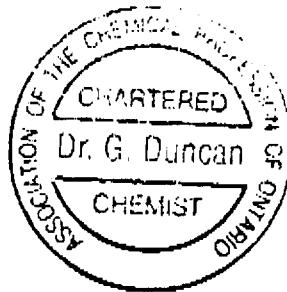
Mr. Duncan McIvor  
Homestake Mineral Development  
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Timmins, Ontario  
P4N 7N6

February 28

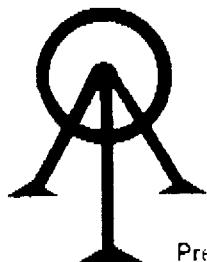
91

Work Order # : 910220  
Project : # 5755

| SAMPLE NUMBERS<br>Accurassay | Customer | Gold<br>ppb |
|------------------------------|----------|-------------|
| 238462                       | 4021     | 6           |
| 238463                       | 4022     | 16          |
| 238464                       | 4023     | 732         |
| 238465                       | 4024     | 106         |
| 238466                       | 4025     | 41          |
| 238467                       | 4026     | 162         |
| 238468                       | 4027     | 67          |
| 238468                       | 4027     | 72 Check    |



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39116 **Certificate of Analysis**

Page: 1

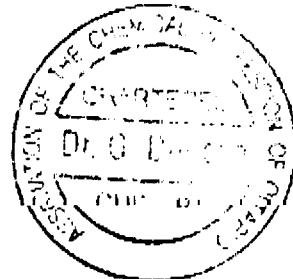
Mr. Duncan McIvor  
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 P4N 7N6

February 28

91

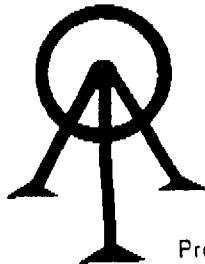
Work Order # : 910221  
 Project : # 5755

| SAMPLE NUMBERS<br>Accurassay | Customer | Gold<br>ppb |
|------------------------------|----------|-------------|
| 238469                       | 4028     | 29          |
| 238470                       | 4029     | 57          |
| 238471                       | 4030     | 30          |
| 238472                       | 4031     | 10          |
| 238473                       | 4032     | 17          |
| 238474                       | 4033     | 52          |
| 238475                       | 4034     | 42          |
| 238476                       | 4035     | 9           |
| 238477                       | 4036     | 8           |
| 238478                       | 4037     | 18          |
| 238478                       | 4037     | 17 Check    |
| 238479                       | 4038     | <5          |
| 238480                       | 4039     | 7           |
| 238481                       | 4040     | 6           |
| 238482                       | 4041     | 10          |
| 238483                       | 4042     | 12          |
| 238484                       | 4043     | 6           |
| 238485                       | 4044     | <5          |
| 238486                       | 4045     | 26          |
| 238487                       | 4046     | 9           |
| 238487                       | 4046     | 8 Check     |
| 238488                       | 4047     | 22          |
| 238489                       | 4048     | 41          |
| 238490                       | 4049     | 6           |
| 238491                       | 4050     | <5          |
| 238492                       | 4051     | <5          |
| 238493                       | 4052     | <5          |
| 238494                       | 4053     | <5          |
| 238495                       | 4054     | 9           |
| 238496                       | 4055     | 9           |
| 238496                       | 4055     | 9 Check     |



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Page: 2

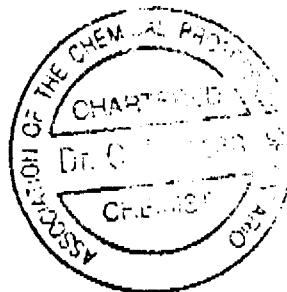
Mr. Duncan McIvor  
 Homestake Mineral Development  
 P.O. Box 290  
 Timmins, Ontario  
 P4N 7N6

February 28

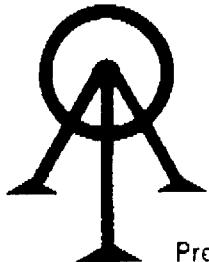
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Work Order # : 910221  
 Project : # 5755

| SAMPLE NUMBERS<br>Accurassay | Customer | Gold<br>ppb | T-91-06. |
|------------------------------|----------|-------------|----------|
| 238497                       | 4056     | 40          |          |
| 238498                       | 4057     | 6           |          |
| 238499                       | 4058     | <5          |          |
| 238500                       | 4059     | <5          |          |
| 238501                       | 4060     | <5          |          |
| 238502                       | 4061     | <5          |          |
| 238503                       | 4062     | 7           |          |
| 238504                       | 4063     | <5          |          |
| 238505                       | 4064     | <5          | Check    |
| 238505                       | 4064     | <5          | Check    |
| 238506                       | 4065     | <5          | Check    |
| 238506                       | 4065     | <5          | Check    |



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39128

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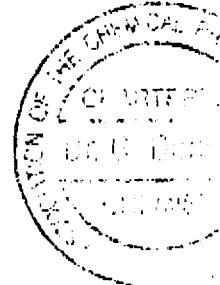
Mr. Duncan McIvor  
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 P4N 7N6

March 5

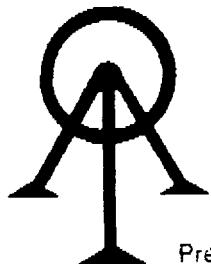
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Work Order # : 910228  
 Project : # 5755

| SAMPLE NUMBERS<br>Accurassay | CUSTOMER<br>Customer | Gold<br>ppb | T-91-07. |
|------------------------------|----------------------|-------------|----------|
| 238560                       | 4066                 | 47          |          |
| 238561                       | 4067                 | 198         |          |
| 238562                       | 4068                 | 234         |          |
| 238563                       | 4069                 | 663         |          |
| 238564                       | 4070                 | 111         |          |
| 238565                       | 4071                 | 330         |          |
| 238566                       | 4072                 | 9           |          |
| 238567                       | 4073                 | 10          |          |
| 238568                       | 4074                 | 1133        |          |
| 238569                       | 4075                 | 934         |          |
| 238569                       | 4076                 | 924 Check   |          |
| 238570                       | 4076                 | 534         |          |
| 238571                       | 4077                 | 826         |          |
| 238572                       | 4078                 | 1435        |          |
| 238573                       | 4079                 | 150         |          |
| 238574                       | 4080                 | 6           |          |
| 238575                       | 4081                 | <5          |          |
| 238576                       | 4082                 | <5          |          |
| 238577                       | 4083                 | <5          |          |
| 238578                       | 4084                 | <5          |          |
| 238578                       | 4084                 | <5 Check    |          |
| 238579                       | 4085                 | 51          |          |
| 238580                       | 4086                 | 192         |          |
| 238581                       | 4087                 | 11          |          |
| 238582                       | 4088                 | 16          |          |
| 238583                       | 4089                 | 53          |          |
| 238584                       | 4090                 | 141         |          |
| 238585                       | 4091                 | 64          |          |
| 238586                       | 4092                 | 18          |          |
| 238587                       | 4093                 | 7           |          |
| 238587                       | 4093                 | 7 Check     |          |



Per: \_\_\_\_\_ *G. Duncan*



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39129

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Page: 2

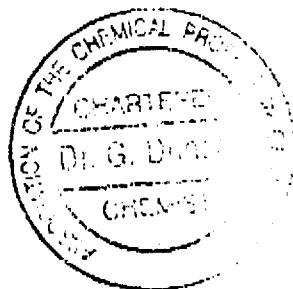
Mr. Duncan McIvor  
Homestake Mineral Development  
P.O. Box 290  
Timmins, Ontario  
P4N 7N6

March 5

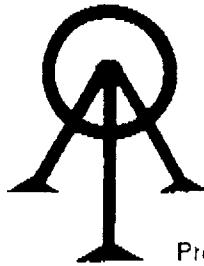
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Work Order # : 910228  
Project : # 5755

| SAMPLE NUMBERS | Customer | Gold     |
|----------------|----------|----------|
| Accurassay     |          | ppb      |
| 238588         | 4094     | 5        |
| 238589         | 4095     | <5       |
| 238589         | 4095     | <5 Check |



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39126

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Page: 1

Mr. Duncan McIvor  
 Homestake Mineral Development  
 P.O. Box 290  
 Timmins, Ontario  
 P4N 7N6

March 5

91

Work Order # : 910229  
 Project : # 5755

| SAMPLE NUMBER | Customer | Gold |
|---------------|----------|------|
| Ac urassay    |          | ppb  |
| 236590        |          | 4096 |
| 236591        |          | 4097 |
| 236592        |          | 4098 |
| 236593        |          | 4099 |
| 236594        |          | 4100 |
| 236595        |          | 6901 |
| 236596        |          | 6902 |
| 238597        |          | 6903 |
| 236598        |          | 6904 |
| 236599        |          | 6905 |
| 236599        |          | 6905 |
| 236600        |          | 6906 |
| 236601        |          | 6907 |
| 238602        |          | 6908 |
| 236603        |          | 6909 |
| 236604        |          | 6910 |
| 236605        |          | 6911 |
| 236606        |          | 6912 |
| 236607        |          | 6913 |
| 236608        |          | 6914 |
| 236608        |          | 6914 |
| 236609        |          | 6915 |
| 238610        |          | 6916 |
| 236611        |          | 6917 |
| 238612        |          | 6918 |
| 236613        |          | 6919 |
| 236614        |          | 6920 |
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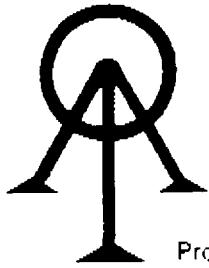
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Check



Per:

*G. Duncan*



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39130

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Page: 1

Mr. Duncan McIvor  
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March 5

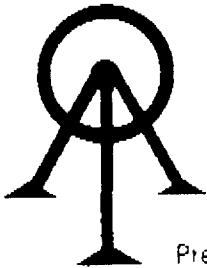
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Work Order # : 910230  
 Project : # 5755

| SAMPLE NUMBERS | Customer | Gold<br>ppb |
|----------------|----------|-------------|
| 238620         | 6926     | 4325        |
| 238621         | 6927     | - 6219 -    |
| 238622         | 6928     | 574         |
| 238623         | 6929     | 135         |
| 238624         | 6930     | 939         |
| 238625         | 6931     | 789         |
| 238626         | 6932     | 1947        |
| 238627         | 6933     | 3503        |
| 238628         | 6934     | 3126        |
| 238629         | 6935     | 863         |
| 238629         | 6935     | 832 Check   |
| 238630         | 6936     | 455         |
| 238631         | 6937     | 26          |
| 238632         | 6938     | 17          |
| 238633         | 6939     | 13          |
| 238634         | 6940     | 19          |
| 238635         | 6941     | 24          |
| 238636         | 6942     | 23          |
| 238637         | 6943     | 7           |
| 238638         | 6944     | <5          |
| 238638         | 6944     | <5 Check    |
| 238639         | 6945     | 38          |
| 238640         | 6946     | 7           |
| 238641         | 6947     | 10          |
| 238642         | 6948     | 10          |
| 238643         | 6949     | 8           |
| 238644         | 6950     | 9           |
| 238645         | 6951     | <5          |
| 238646         | 6952     | 5           |
| 238647         | 6953     | 15          |
| 238647         | 6953     | 19 Check    |



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39415

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Page: 1

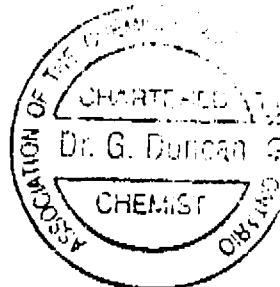
Mr. Duncan McIvor  
Homestake Mineral Development  
P.O. Box 290  
Timmins, Ontario  
P4N 7N6

March 21

91

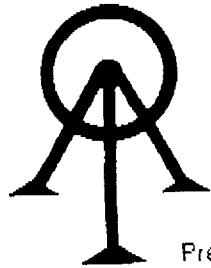
Work Order # : 910315  
Project : #5755

| SAMPLE NUMBERS<br>Accurassay | CUSTOMER | Gold<br>ppb |
|------------------------------|----------|-------------|
| 240505                       | 401      | 22          |
| 240506                       | 402      | 28          |
| 240507                       | 403      | 38          |
| 240508                       | 404      | 34          |
| 240509                       | 405      | 9           |
| 240510                       | 406      | 12          |
| 240511                       | 407      | 14          |
| 240512                       | 408      | 10          |
| 240513                       | 409      | <5          |
| 240514                       | 410      | <5          |
| 240514                       | 410      | Check       |
| 240515                       | 411      | <5          |
| 240516                       | 412      | <5          |
| 240517                       | 413      | 18          |
| 240518                       | 414      | <5          |
| 240519                       | 415      | 10          |
| 240520                       | 416      | <5          |
| 240521                       | 417      | <5          |
| 240522                       | 418      | <5          |
| 240523                       | 419      | 5           |
| 240523                       | 419      | 6 Check     |
| 240524                       | 420      | 190         |
| 240525                       | 421      | 844         |
| 240526                       | 422      | 132         |
| 240526                       | 422      | 126 Check   |



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Page: 1

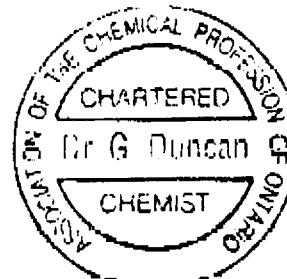
Mr. Duncan McIvor  
Homestake Mineral Development.  
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Timmins, Ontario  
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March 21

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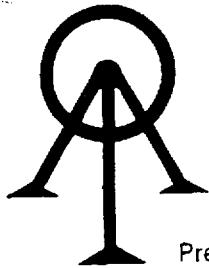
Work Order # : 910316  
Project : #5755

| SAMPLE NUMBERS<br>Accurassay | CUSTOMER | Gold<br>ppb |
|------------------------------|----------|-------------|
| 240527                       | 423      | 686         |
| 240528                       | 424      | 818         |
| 240529                       | 425      | 180         |
| 240530                       | 426      | 9           |
| 240531                       | 427      | <5          |
| 240532                       | 428      | <5          |
| 240533                       | 429      | 39          |
| 240534                       | 430      | 131         |
| 240535                       | 431      | 0           |
| 240536                       | 432      | <5          |
| 240536                       | 432      | Check       |
| 240537                       | 433      | <5          |
| 240538                       | 434      | <5          |
| 240539                       | 435      | 5           |
| 240540                       | 436      | 5           |
| 240541                       | 437      | 13          |
| 240542                       | 438      | 6           |
| 240543                       | 439      | 21          |
| 240544                       | 440      | 1831        |
| 240545                       | 441      | 31          |
| 240545                       | 441      | 29          |
| 240546                       | 442      | 117         |
| 240547                       | 443      | 18          |
| 240548                       | 444      | <5          |
| 240548                       | 444      | Check       |



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Page: 1

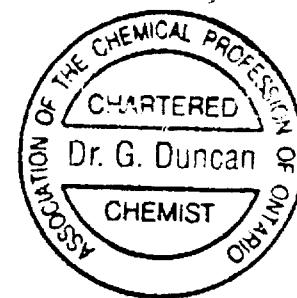
Mr. Duncan McIvor  
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Timmins, Ontario  
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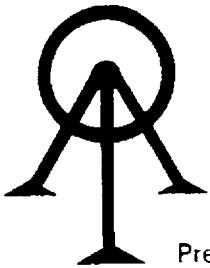
91

Work Order # : 910348  
Project : 5755

| SAMPLE NUMBERS<br>Accurassay | Customer | Gold<br>ppb |
|------------------------------|----------|-------------|
| 240978                       | 445      | <5          |
| 240979                       | 446      | <5          |
| 240980                       | 447      | <5          |
| 240981                       | 448      | <5          |
| 240982                       | 449      | <5          |
| 240983                       | 450      | <5          |
| 240984                       | 451      | <5          |
| 240985                       | 452      | <5          |
| 240986                       | 453      | <5          |
| 240987                       | 454      | <5 Check    |
| 240987                       | 455      | <5          |
| 240988                       | 456      | <5          |
| 240989                       | 457      | <5          |
| 240990                       | 458      | <5          |
| 240991                       | 459      | <5          |
| 240992                       | 460      | 9           |
| 240993                       | 461      | <5          |
| 240994                       | 462      | <5          |
| 240995                       | 463      | 69          |
| 240996                       | 463      | 66 Check    |
| 240996                       | 464      | 9           |
| 240997                       | 465      | <5          |
| 240998                       | 466      | <5          |
| 240999                       | 467      | 17          |
| 241000                       | 468      | <5          |
| 241001                       | 469      | <5          |
| 241002                       | 470      | <5          |
| 241003                       | 471      | <5          |
| 241004                       | 472      | <5          |
| 241005                       | 472      | <5 Check    |
| 241005                       | 472      |             |



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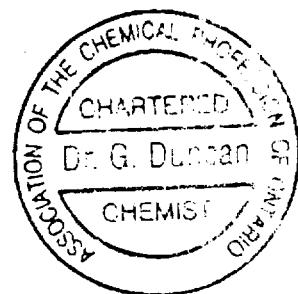
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March 27

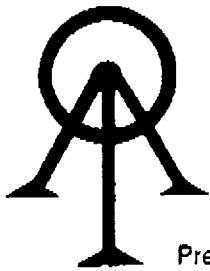
91

Work Order # : 910348  
 Project : 5755

| SAMPLE NUMBERS | Customer | Gold<br>ppb |
|----------------|----------|-------------|
| Accurassay     |          |             |
| 241006         | 473      | <5          |
| 241007         | 474      | <5          |
| 241007         | 474      | <5 Check    |



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Page : 1

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P4N 7N6

March 27

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Work Order # : 910349  
Project : 5755

| SAMPLE NUMBERS<br>Accurassay | Customer | Gold<br>ppb |
|------------------------------|----------|-------------|
| 241008                       | 475      | <5          |
| 241009                       | 476      | 24          |
| 241010                       | 477      | 5           |
| 241011                       | 478      | 5           |
| 241012                       | 479      | <5          |
| 241013                       | 480      | 43          |
| 241014                       | 481      | 143         |
| 241015                       | 482      | 79          |
| 241016                       | 483      | 25          |
| 241017                       | 484      | 36          |
| 241017                       | 484      | 59          |
| 241018                       | 485      | 275         |
| 241019                       | 486      | 1294        |
| 241020                       | 487      | 8           |
| 241021                       | 488      | 84          |
| 241022                       | 489      | 32          |
| 241023                       | 490      | 45          |
| 241024                       | 491      | 70          |
| 241025                       | 492      | <5          |
| 241026                       | 493      | 12          |
| 241026                       | 493      | 14          |
| 241027                       | 494      | <5          |
| 241028                       | 495      | 492         |
| 241029                       | 496      | 7           |
| 241030                       | 497      | 5           |
| 241031                       | 498      | 7           |
| 241032                       | 499      | 29          |
| 241033                       | 500      | 262         |
| 241034                       | 601      | 1172        |
| 241035                       | 602      | 780         |
| 241035                       | 602      | 805         |

1% Ag, <1nm  
1% As, <1nm  
10% Cell carbon

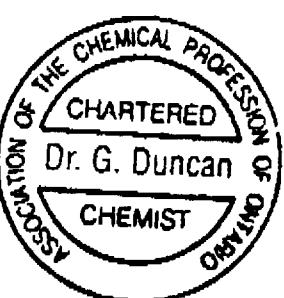
Check

2% As, <1nm

Check

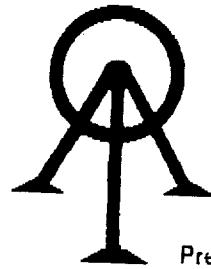
After AsP, no py, fin. - 6.2

1% As, <1nm  
particulate + very  
fin. precipitate



Perz

G Duncan



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March 27

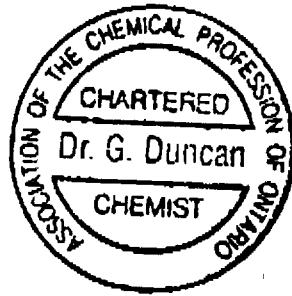
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91

Work Order # : 910349  
Project : 5755

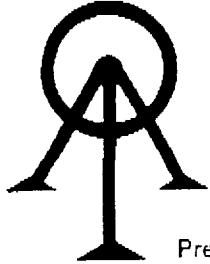
| SAMPLE NUMBERS | Customer | Gold    |
|----------------|----------|---------|
| curassay       |          | ppb     |
| 036            | 603      | 250     |
| 037            | 604      | 8       |
| 037            | 604      | 6 Check |

/ 60% carbon  
diff. mode - melt timer lamination set up.



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39488

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Page: 2

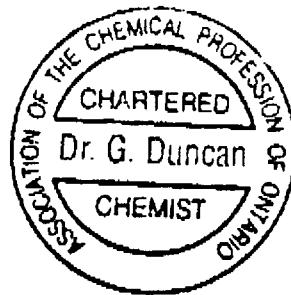
Mr. Duncan McIvor  
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March 27

91

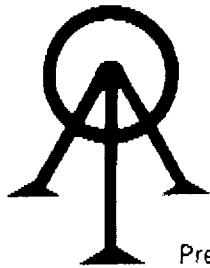
Work Order #: 910350  
Project : 5755

| SAMPLE NUMBERS<br>Accurassay | Customer | Gold<br>ppb |
|------------------------------|----------|-------------|
| 241066                       | 633      | <5          |
| 241067                       | 634      | <5          |
| 241068                       | 635      | <5          |
| 241069                       | 636      | <5          |
| 241070                       | 637      | <5          |
| 241071                       | 638      | <5          |
| 241072                       | 639      | <5          |
| 241072                       | 639      | <5 Check    |



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Page: 1

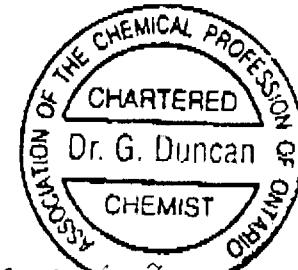
Mr. Duncan McIvor  
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91

Work Order # : 910351  
Project : 5755

| SAMPLE NUMBERS | Customer   | Gold<br>ppb                              |
|----------------|------------|------------------------------------------|
| Accurassay     |            |                                          |
| 241073         | all hole 8 | 640                                      |
| 241074         | ↑          | 641                                      |
| 241075         | ↓          | 642                                      |
| 241076         |            | 643                                      |
| 241077         | ↓          | 644                                      |
| 241078         | all 5E     | 645                                      |
| 241079         |            | 646                                      |
| 241080         |            | 647                                      |
| 241081         |            | 648                                      |
| 241082         |            | 649                                      |
| 241082         |            | <5 Check                                 |
| 241083         |            | 29                                       |
| 241084         |            | 13                                       |
| 241085         |            | <5                                       |
| 241086         |            | 5                                        |
| 241087         |            | 6                                        |
| 241088         |            | 443 <1% 2mm <1mm                         |
| 241089         |            | 109                                      |
| 241090         |            | 166 <1% 2mm <1mm                         |
| 241091         |            | 239 10% blb, tryp                        |
| 241091         |            | 305 Check                                |
| 241092         |            | 1124 Qv, + py holes, 2m east, 3% py <2mm |
| 241093         |            | 291 1% py + some sulfides                |
| 241094         |            | 25                                       |
| 241095         |            | 76                                       |
| 241096         |            | 248                                      |
| 241097         |            | 623 10% blb + 1cm vni, also 10% sulfides |
| 241098         |            | 530 1mm + few floating                   |
| 241099         |            | 288 rounded carbond in bldg              |
| 241100         |            | 70 Qv. + blb, ext vni                    |
| 241100         |            | 66 Check                                 |



Dr. G. Duncan

CHARTERED

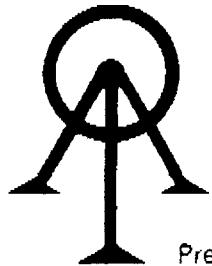
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Page: 2

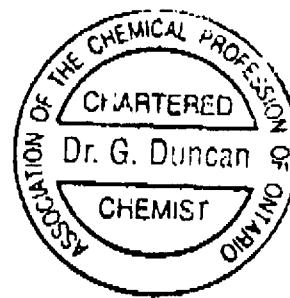
Mr. Duncan McIvor  
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March 27

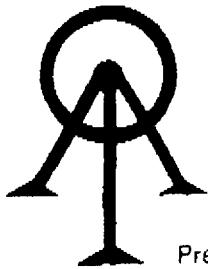
91

Work Order # : 910351  
Project : 5755

| SAMPLE NUMBERS | Customer | Gold<br>ppb |
|----------------|----------|-------------|
| 241101         | 668      | 33          |
| 241102         | 669      | 56          |
| 241103         | 670      | 14          |
| 241104         | 671      | 7           |
| 241105         | 672      | <5          |
| 241106         | 673      | <5          |
| 241106         | 673      | <5 Check    |



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Page: 1

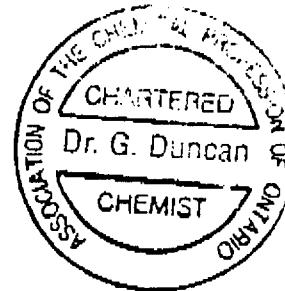
Mr. Duncan McIvor  
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April 3

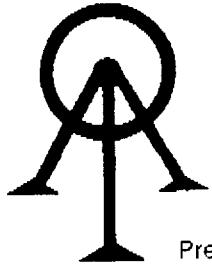
91

Work Order # : 910366  
Project : 5755

| SAMPLE NUMBERS<br>Accurassay | Customer | Gold<br>ppb |
|------------------------------|----------|-------------|
| 241251                       | 674      | 5           |
| 241252                       | 675      | 6           |
| 241253                       | 676      | 22          |
| 241254                       | 677      | <5          |
| 241255                       | 678      | <5          |
| 241256                       | 679      | <5          |
| 241257                       | 680      | <5          |
| 241258                       | 681      | <5          |
| 241259                       | 682      | <5          |
| 241260                       | 683      | 7           |
| 241260                       | 683      | 8 Check     |
| 241261                       | 684      | 9           |
| 241262                       | 686      | 13          |
| 241263                       | 687      | <5          |
| 241264                       | 688      | 6           |
| 241265                       | 690      | <5          |
| 241266                       | 691      | <5          |
| 241267                       | 692      | <5          |
| 241268                       | 693      | <5          |
| 241269                       | 694      | <5          |
| 241269                       | 694      | Check       |
| 241270                       | 695      | <5          |
| 241271                       | 696      | <5          |
| 241272                       | 697      | <5          |
| 241273                       | 698      | <5          |
| 241274                       | 699      | 7           |
| 241275                       | 700      | <5          |
| 241276                       | 701      | 6           |
| 241277                       | 702      | <5          |
| 241278                       | 703      | <5          |
| 241278                       | 703      | <5 Check    |



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Page: 2

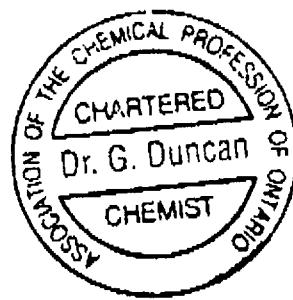
Mr. Duncan McIvor  
Homestake Mineral Development  
P.O. Box 290  
Timmins, Ontario  
P4N 7N6

April 3

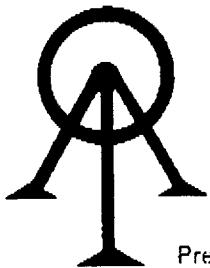
91

Work Order # : 910366  
Project : 5755

| SAMPLE NUMBERS | Customer | Gold    |
|----------------|----------|---------|
| Accurassay     |          | ppb     |
| 241279         | 704      | 45      |
| 241280         | 705      | 5       |
| 241280         | 705      | 5 Check |



Per:



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Page: 1

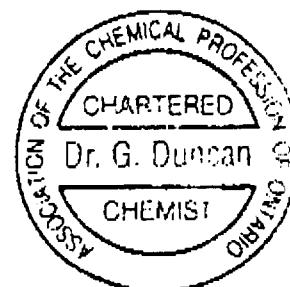
Mr. Duncan McIver  
Homestake Mineral Development  
P.O. Box 290  
Timmins, Ontario  
P4N 7M6

April 3

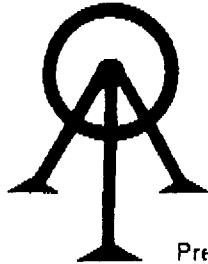
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Work Order # : 910367  
Project : 5755

| SAMPLE NUMBER | Customer | Gold<br>ppb |
|---------------|----------|-------------|
| Accurassay    |          |             |
| 241281        | 706      | 5           |
| 241282        | 707      | 5           |
| 241283        | 708      | <5          |
| 241284        | 709      | <5          |
| 241285        | 710      | <5          |
| 241286        | 711      | <5          |
| 241287        | 712      | <5          |
| 241288        | 713      | <5          |
| 241289        | 714      | <5          |
| 241290        | 715      | 31 Check    |
| 241291        | 716      | <5          |
| 241292        | 717      | <5          |
| 241293        | 718      | <5          |
| 241294        | 719      | 29          |
| 241295        | 721      | <5          |
| 241296        | 722      | <5          |
| 241297        | 723      | <5          |
| 241298        | 724      | <5          |
| 241299        | 725      | <5          |
| 241300        | 726      | <5          |
| 241301        | 727      | <5          |
| 241301        | 727      | Check       |



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Page: 1

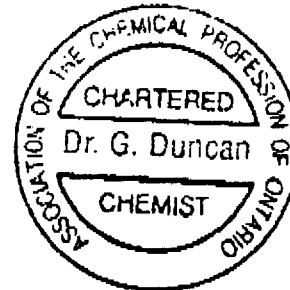
Mr. Duncan McIvor  
 Homestake Mineral Development  
 P.O. Box 290  
 Timmins, Ontario  
 P4N 7N6

April 5

91

Work Order # : 910375  
 Project :

| SAMPLE NUMBERS<br>Accurassay | CUSTOMER | Gold<br>ppb |
|------------------------------|----------|-------------|
| 241373                       | 728      | 74          |
| 241374                       | 729      | 47          |
| 241375                       | 730      | 689         |
| 241376                       | 731      | 502         |
| 241377                       | 732      | 354         |
| 241378                       | 733      | 196         |
| 241379                       | 734      | 144         |
| 241380                       | 735      | 12          |
| 241381                       | 736      | 60          |
| 241382                       | 737      | 8           |
| 241382                       | 737      | 17 Check    |
| 241383                       | 738      | 64          |
| 241384                       | 739      | <5          |
| 241385                       | 740      | <5          |
| 241386                       | 741      | <5          |
| 241387                       | 742      | <5          |
| 241388                       | 743      | <5          |
| 241389                       | 744      | <5          |
| 241390                       | 745      | 13          |
| 241391                       | 746      | <5          |
| 241391                       | 746      | <5 Check    |
| 241392                       | 747      | <5          |
| 241393                       | 748      | <5          |
| 241394                       | 749      | <5          |
| 241395                       | 750      | <5          |
| 241396                       | 751      | <5          |
| 241397                       | 752      | <5          |
| 241398                       | 753      | <5          |
| 241399                       | 754      | <5          |
| 241400                       | 755      | <5          |
| 241400                       | 755      | <5 Check    |



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Page: 2

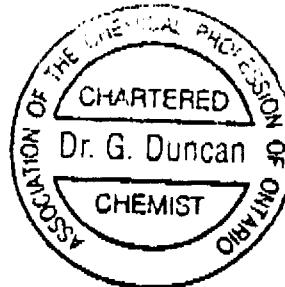
Mr. Duncan McIvor  
Homestake Mineral Development  
P.O. Box 390  
Timmins, Ontario  
P4N 7N6

April 5

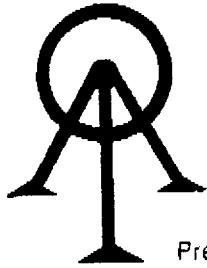
91

Work Order # : 910375  
Project :

| SAMPLE NUMBERS | Customer | Gold    |
|----------------|----------|---------|
| Accurassay     |          | ppb     |
| 241401         | 756      | <5      |
| 241402         | 757      | <5      |
| 241403         | 758      | <5      |
| 241404         | 759      | 5       |
| 241405         | 760      | <5      |
| 241405         | 760      | 7 Check |



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Page: 1

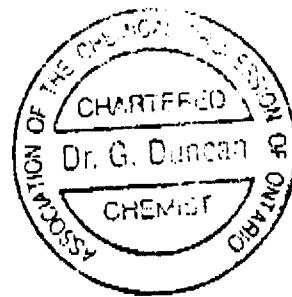
Mr. Duncan McIvor  
Homestake Mineral Development  
P.O. Box 490  
Timmins, Ontario  
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April 5

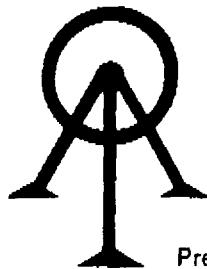
91

Work Order # : 910380  
Project : 5755

| SAMPLE NUMBER | Customer   | Gold<br>ppb |
|---------------|------------|-------------|
| 241447        | Accurassay | 761         |
| 241448        |            | 762         |
| 241449        |            | 763         |
| 241450        |            | 764         |
| 241451        |            | 765         |
| 241452        |            | 766         |
| 241453        |            | 767         |
| 241454        |            | 768         |
| 241455        |            | 769         |
| 241456        |            | 770         |
| 241457        |            | 771         |
| 241458        |            | 772         |
| 241459        |            | 773         |
| 241460        |            | 774         |
| 241461        |            | 775         |
| 241462        |            | 776         |
| 241463        |            | 777         |
| 241464        |            | 778         |
| 241465        |            | 779         |
| 241466        |            | 780         |
| 241467        |            | 781         |
| 241468        |            | 782         |
| 241469        |            | 783         |
| 241470        |            | 784         |
| 241471        |            | 785         |
| 241472        |            | 786         |
| 241473        |            | 787         |
| 241474        |            | 788         |
| 241474        |            | 789         |
|               |            | 65          |
|               |            | 5           |
|               |            | 7           |
|               |            | 32          |
|               |            | 20          |
|               |            | 653         |
|               |            | 196         |
|               |            | 48          |
|               |            | 84          |
|               |            | 12          |
|               |            | 18          |
|               |            | 9           |
|               |            | 10          |
|               |            | 22          |
|               |            | 56          |
|               |            | 114         |
|               |            | 152         |
|               |            | 110         |
|               |            | 199         |
|               |            | 251         |
|               |            | 250         |
|               |            | 197         |
|               |            | 160         |
|               |            | 567         |
|               |            | 146         |
|               |            | 76          |
|               |            | 19          |
|               |            | 28          |
|               |            | 18          |
|               |            | 112         |
|               |            | 106         |
|               |            | Check       |
|               |            | Check       |



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Page: 2

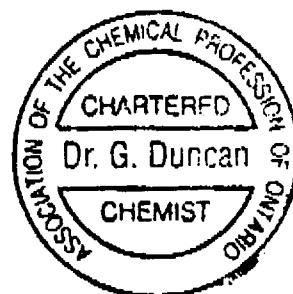
Mr. Duncan McIvor  
Homestake Mineral Development  
P.O. Box 290  
Timmins, Ontario  
P4N 7M6

April 5

91

Work Order # : 910380  
Project : 5755

| SAMPLE NUMBERS | Customer | Gold<br>ppb |
|----------------|----------|-------------|
| 241475         | 769      | 46          |
| 241476         | 790      | 13          |
| 241477         | 791      | 14          |
| 241478         | 792      | 23          |
| 241479         | 793      | 15          |
| 241480         | 794      | 75          |
| 241481         | 795      | 27          |
| 241482         | 796      | 9           |
| 241483         | 797      | 25          |
| 241483         | 797      | 24 Check    |
| 241484         | 798      | 45          |
| 241485         | 799      | 28          |
| 241486         | 800      | 24          |
| 241487         | 801      | 34          |
| 241488         | 802      | 45          |
| 241489         | 803      | 166         |
| 241490         | 804      | 40          |
| 241491         | 805      | 7           |
| 241492         | 806      | 7           |
| 241493         | 806      | 9 Check     |
| 241493         | 807      | 58          |
| 241494         | 808      | 28          |
| 241494         | 808      | 16 Check    |



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# Certificate of Analysis

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P4N 7W6

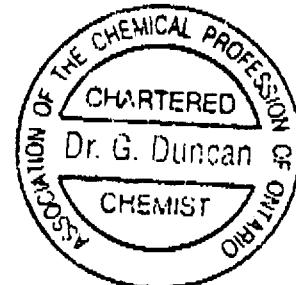
March 12  
91

Work Order # : 910207A  
Project : 5755

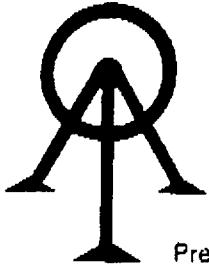
Page: 1

M E T A L L I C S  
G O L D

| Accurassay Customer | #1 Pulp<br>Assay<br>g/tonne | #2 Pulp<br>Assay<br>g/tonne | Metallics<br>Assay<br>g/tonne | Total<br>g/tonne | % Met.in<br>pulp |
|---------------------|-----------------------------|-----------------------------|-------------------------------|------------------|------------------|
| 238152              | 2436                        | 7.603                       | 7.570                         | 4.546            | 7.501            |



Per: \_\_\_\_\_  
*G. Duncan*



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39265

# Certificate of Analysis

Page: 1

Mr. Duncan McIvor  
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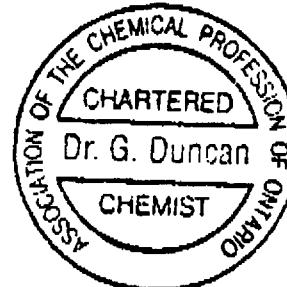
March 12

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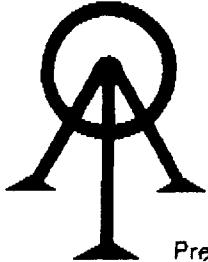
Work Order # : 910208A  
 Project : 5755

**M E T A L L I C S**  
**G O L D**

| Accurassay Customer | #1 Pulp<br>Assay<br>g/tonne | #2 Pulp<br>Assay<br>g/tonne | Metallics<br>Assay<br>g/tonne | Total<br>g/tonne | % Met. in<br>pulp |
|---------------------|-----------------------------|-----------------------------|-------------------------------|------------------|-------------------|
| 238158              | 2442                        | 1.268                       | 1.030                         | 1.186            | 1.159             |



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Page: 1

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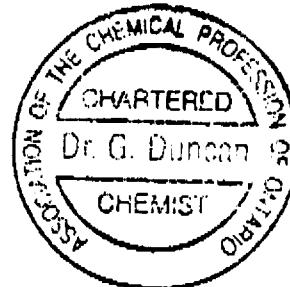
March 12

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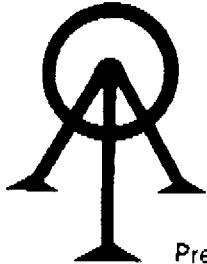
Work Order # : 910211A  
 Project : 5755

### M E T A L L I C S G O L D

| Accurassay Customer | #1 Pulp<br>Assay<br>g/tonne | #2 Pulp<br>Assay<br>g/tonne | Metallics<br>Assay<br>g/tonne | Total<br>g/tonne | % Met.in<br>pulp |
|---------------------|-----------------------------|-----------------------------|-------------------------------|------------------|------------------|
| 238256              | 3753                        | 3.020                       | 3.149                         | 2.496            | 3.056            |



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Page: 1

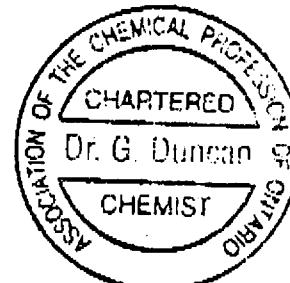
March 12

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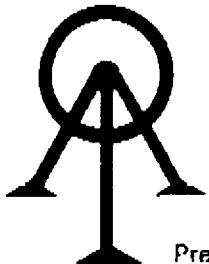
Work Order #: 910212A  
 Project :

**M E T A L L I C S**  
**G O L D**

| Accurassay Customer | #1 Pulp<br>Assay<br>g/tonne | #2 Pulp<br>Assay<br>g/tonne | Metallics<br>Assay<br>g/tonne | Total<br>g/tonne | % Met. in<br>pulp |
|---------------------|-----------------------------|-----------------------------|-------------------------------|------------------|-------------------|
| 238278              | 3775                        | 2.457                       | 1.702                         | 2.080            | No Met.           |
| 238279              | 3776                        | 0.823                       | 0.876                         | 1.373            | 0.857             |
| 238291              | 3788                        | 1.293                       | 1.279                         | 1.202            | 1.286             |



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Page: 1

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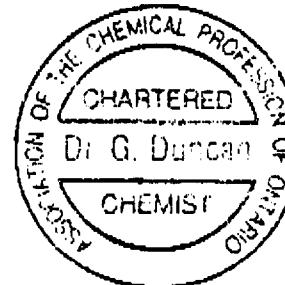
March 12

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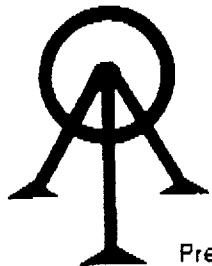
Work Order # : 910220A  
Project : 5755

## M E T A L L I C S G O L D

| Accurassay Customer | #1 Pulp<br>Assay<br>g/tonne | #2 Pulp<br>Assay<br>g/tonne | Metallics<br>Assay<br>g/tonne | Total<br>g/tonne | % Met. in<br>pulp |
|---------------------|-----------------------------|-----------------------------|-------------------------------|------------------|-------------------|
| 238444              | 4003                        | 1.256                       | 1.353                         | 0.893            | 1.294 2.59        |
| 238453              | 4012                        | 3.616                       | 3.404                         | No Met.          | 3.510 No Met.     |



Per: G. Duncan



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# Certificate of Analysis

Page: 1

Mr. Duncan McIvor  
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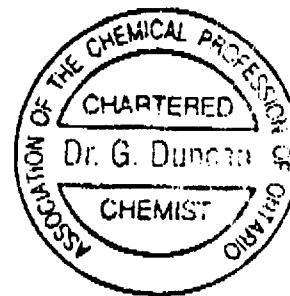
March 12

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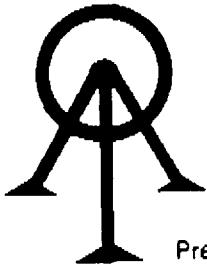
Work Order # : 910228A  
 Project : 5755

## M E T A L L I C S G O L D

| Accurassay Customer | #1 Pulp<br>Assay<br>g/tonne | #2 Pulp<br>Assay<br>g/tonne | Metallics<br>Assay<br>g/tonne | Total<br>g/tonne | % Met. in<br>pulp |
|---------------------|-----------------------------|-----------------------------|-------------------------------|------------------|-------------------|
| 238564              | 4070                        | 0.910                       | 0.816                         | 0.859            | 0.86              |
| 238568              | 4074                        | 1.150                       | 1.103                         | 0.748            | 1.65              |
| 238572              | 4078                        | 1.118                       | 1.490                         | No Met.          | 1.304             |



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Page: 1

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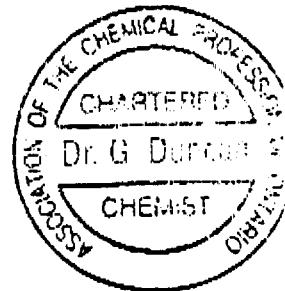
March 12

91

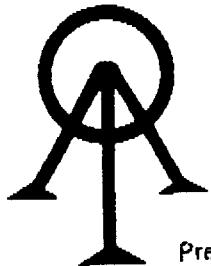
Work Order # : 910229A  
 Project :

## M E T A L L I C S G O L D

| Accurassay Customer |      | #1 Pulp          | #2 Pulp          | Metallics        | Total   | % Met.in |
|---------------------|------|------------------|------------------|------------------|---------|----------|
|                     |      | Assay<br>g/tonne | Assay<br>g/tonne | Assay<br>g/tonne | g/tonne | pulp     |
| 238602              | 6908 | 1.045            | 1.049            | No Met.          | 1.047   | No Met.  |
| 238603              | 6909 | 1.375            | 1.321            | No Met.          | 1.348   | No Met.  |



Per:



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 A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO  
 BOX 426  
 KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1  
 TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph.D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T

39272

# Certificate of Analysis

Page: 1

Mr. Duncan McIvor  
 Homestake Mineral Development  
 P.O. Box 290  
 Timmins, Ontario  
 P4N 7N6

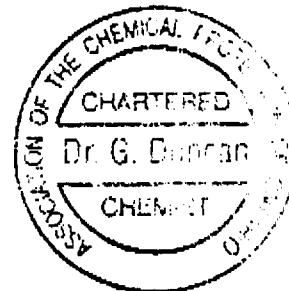
March 12

91

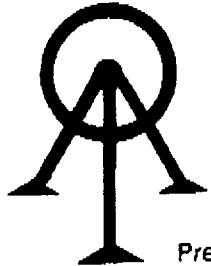
Work Order # : 910230A  
 Project : 5755

## M E T A L L I C S G O L D

| Accurassay Customer | #1 Pulp<br>Assay<br>g/tonne | #2 Pulp<br>Assay<br>g/tonne | Metallics<br>Assay<br>g/tonne | Total<br>g/tonne | % Met.in<br>pulp |
|---------------------|-----------------------------|-----------------------------|-------------------------------|------------------|------------------|
| 238620              | 6926                        | 4.298                       | 4.424                         | No Met.          | 4.361            |
| 238621              | 6927                        | 5.338                       | 5.530                         | 3.064            | 5.388            |
| 238626              | 6932                        | 1.828                       | 1.788                         | No Met.          | 1.808            |
| 238627              | 6933                        | 2.967                       | 2.854                         | 1.685            | 2.831            |
| 238628              | 6934                        | 2.921                       | 3.371                         | No Met.          | 3.146            |



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39469

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Page: 1

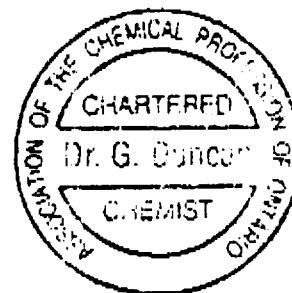
Mr. Duncan McIvor  
 Homestake Mineral Development  
 P.O. Box 390  
 Timmins, Ontario  
 P4N 7N6

April 2

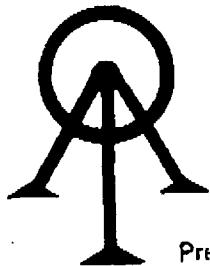
91

Work Order # : 910360  
 Project : 5755

| SAMPLE NUMBERS<br>Accurassay | CUSTOMER | Gold<br>ppb | Platinum<br>ppb | Palladium<br>ppb |
|------------------------------|----------|-------------|-----------------|------------------|
| 241213                       | 482      | 104         | <15             | <10              |
| 241214                       | 485      | 225         | <15             | <10              |
| 241215                       | 495      | 475         | <15             | <10              |
| 241216                       | 602      | 858         | <15             | <10              |
| 241217                       | 603      | 350         | <15             | <10              |
| 241218                       | 655      | 233         | <15             | <10              |
| 241219                       | 664      | 650         | <15             | <10              |
| 241219                       | 664      | 615         | <15             | <10 Check        |



Per:



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39417

# Certificate of Analysis

Page: 1

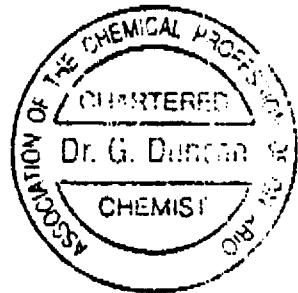
Mr. Duncan McIvor  
Homestake Mineral Development  
P.O. Box 290  
Timmins, Ontario  
P4N 7N6

April 2

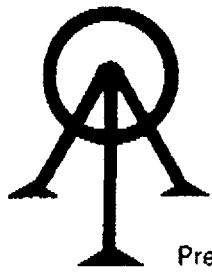
91

Work Order # : 910368  
Project : 5755

| SAMPLE NUMBERS<br>Accurassay | CUSTOMER | Gold<br>ppb | Platinum<br>ppb | Palladium<br>ppb |       |
|------------------------------|----------|-------------|-----------------|------------------|-------|
| 241302                       | 685      | 5           | <15             | <10              |       |
| 241303                       | 689      | <5          | <15             | <10              |       |
| 241304                       | 720      | 13          | <15             | <10              |       |
| 241304                       | 720      | 13          | <15             | <10              | Check |



Per: \_\_\_\_\_ G. Duncan



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President: Dr. GEORGE DUNCAN, M.Sc., Ph.D., C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

39505

# Certificate of Analysis

Page: 1

Mr. Duncan McIver  
Homestake Mineral Development  
P.O. Box 390  
Timmins, Ontario  
P4N 7N6

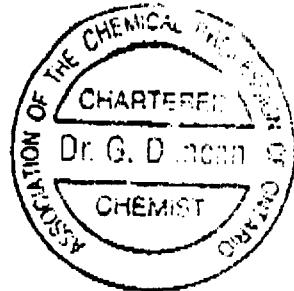
April 2

91

Work Order # : 910349A  
Project : 5755

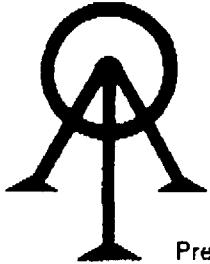
## M E T A L L I C S G O L D

| Accurassay Customer | #1 Pulp<br>Assay<br>g/tonne | #2 Pulp<br>Assay<br>g/tonne | Metallics<br>Assay<br>g/tonne | Total<br>g/tonne | % Met.in<br>pulp |
|---------------------|-----------------------------|-----------------------------|-------------------------------|------------------|------------------|
| 241019              | 486                         | 0.782                       | 0.817                         | 0.321            | 0.796            |
| 241034              | 601                         | 1.149                       | 1.173                         | 0.364            | 1.152            |



Per:

*G. Duncan*



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39518

# Certificate of Analysis

Page: 1

Mr. Duncan McIvor  
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P.O. Box 290  
Timmins, Ontario  
P4N 7N6

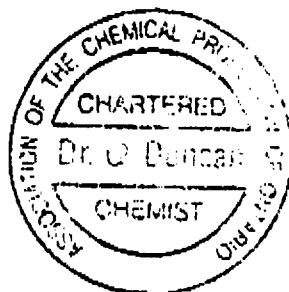
April 2

91

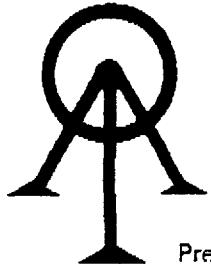
Work Order #: 910351A  
Project #: 5755

## M E T A L L I C S G O L D

| Accurassay Customer | #1 Pulp<br>Assay<br>g/tonne | #2 Pulp<br>Assay<br>g/tonne | Metallics<br>Assay<br>g/tonne | Total<br>g/tonne | % Met. in<br>pulp |
|---------------------|-----------------------------|-----------------------------|-------------------------------|------------------|-------------------|
| 241092              | 659                         | 0.951                       | 1.006                         | No Met.          | 0.979             |



Per:



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 TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph.D., C. Chem (Brit.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

39430

# Certificate of Analysis

Page: 1

Mr. Duncan McIvor  
 Homestake Mineral Development  
 P.O. Box 290  
 Timmins, Ontario  
 P4N 7N6

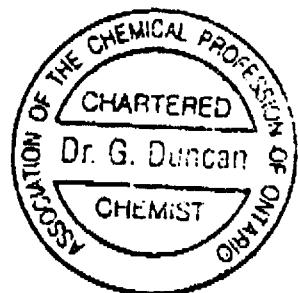
March 21

91

Work Order # : 910316A  
 Project : #5755

M E T A L L I C S  
 G O L D

| Accurassay Customer | #1 Pulp          | #2 Pulp          | Metallics        | Total   | % Met. in |
|---------------------|------------------|------------------|------------------|---------|-----------|
|                     | Assay<br>g/tonne | Assay<br>g/tonne | Assay<br>g/tonne | g/tonne | pulp      |
| 250544              | 440              | 2.085            | 2.126            | 1.057   | 2.102     |



Per:

*G. Duncan*

## NOTES

400' surface rights reservation along the shores of all lakes and rivers.

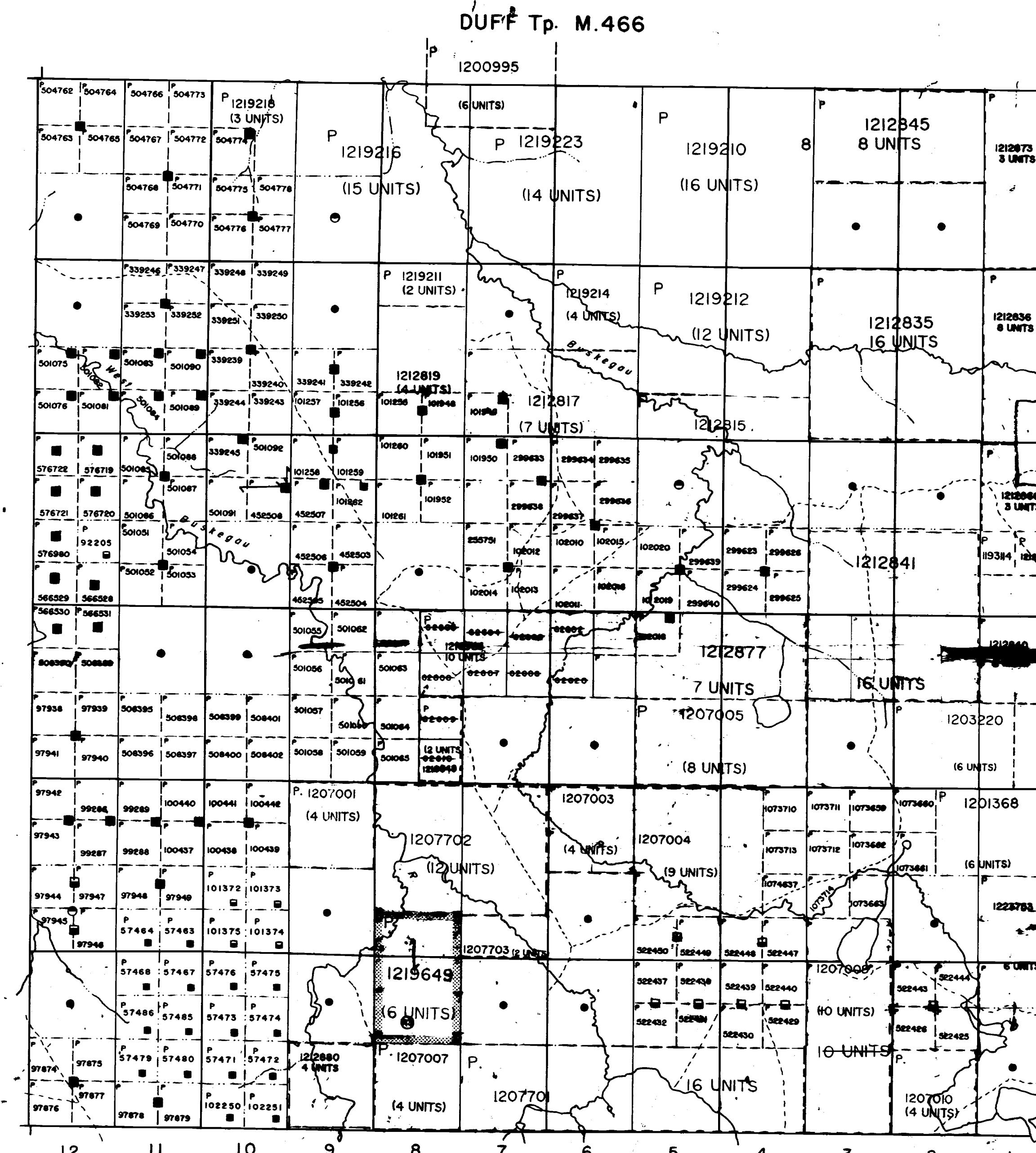
THIS TWP. IS SUBJECT TO FOREST ACTIVITY IN 1993/94.  
FURTHER INFORMATION ON FILE (JULY 22 1993)


THE SURFACE AND MINING RIGHTS ARE WITHDRAWN  
FROM PROSPECTING, STAKING OUT, SALE OR LEASE  
UNDER SECTION 36 OF THE MINING ACT, R.S.O. 1990 DATED  
96-OCT-24 AT 16:50 P.M. ORDER NO. P-86/96-NER

R2 W P 21/97 NER M&SR

SECTION 36 W-P-26/97 NER M-3 NOV 24/97

## PROSSER Tp. M.571





A map of Timmins and surrounding areas, likely Ontario, Canada. The map shows various towns and their boundaries. Towns labeled include Kingsmill, Aubin, Nesbitt, Beck, Reaume, Hanna, St John, Heming, Geary, Mahaffy, Crawford, Lucas, Duff, Mann, Newmarket, Oberly, Thorburn, Reid, Carnegie, Tully, Little, McCart, Byers, Loveland, Macdiarmid, Kidd, Wark, Gowan, Evelyn, Dundonald, Cote, Robb, Jamieson, Jessop, Murphy, Hoyle, Matheson, Connaught, German, Hassey, Turnbull, Godfrey, Mountjoy, Tisdale, Whitney, South Porcupine, Cody, Macklem, Carscallen, Bristol, Ogden, Deloro, Show, Thomas, Sides, Price, Adams, Eldorado, Carman, Blackstock, Keefer, Denton, Thorneloe, Langmuir, and TIMMINS. A scale bar at the bottom indicates distances up to 30 km.

## LEGEND

## Geology

- | ROCK UNITS                                                                            |                                |
|---------------------------------------------------------------------------------------|--------------------------------|
| 8                                                                                     | DIABASE                        |
| 7                                                                                     | FELSIC INTRUSIONS              |
| 6                                                                                     | MAFIC, ULTRAMAFIC INTRUSIONS   |
| 5                                                                                     | SEDIMENTS                      |
| 4                                                                                     | CALC-ALKALIC FELSICS           |
| 3                                                                                     | CALC-ALKALIC ANDESITES         |
| 2                                                                                     | CALC-ALKALIC BASALTS           |
| 1                                                                                     | THOLEITIC BASALTS              |
|  | ALTERATION/MINERALIZATION ZONE |
|  | INFERRRED SHEAR ZONES          |

## SYMBOLS

- |  |                        |
|--|------------------------|
|  | GEOLOGICAL CONTACT     |
|  | INFERRRED THRUST FAULT |
|  | DDH - UNIDENTIFIED     |
|  | DDH - IDENTIFIED       |
|  | RC HOLE                |
|  | DDH - PROPOSED         |
|  | TRENCH                 |
|  | ROAD                   |
|  | PROPERTY BOUNDARY      |

Coophysics

Geophy

- CROONED**

HEM— HORIZONTAL LOOP (MAX-MIN)  
VEM— VERTICAL LOOP  
TUR— TURAM  
JEM— JUNIOR CRONE

## AIRBORNE - O.C.S. INTERPRETATION

- AIRBORNE - O.G.S. INTERPRETATION

  - ★ 1-2 CHANNEL (350, 450 MICROSECONDS)
  - 3-4 CHANNEL (550, 670 MICROSECONDS)
  - ◐ 5-6 CHANNEL (790, 910 MICROSECONDS)
  - 7-8 CHANNEL (1050, 1190 MICROSECONDS)
  - ◆ 9-10 CHANNEL (1350, 1510 MICROSECONDS)
  - 11-12 CHANNEL (1680, 1870 MICROSECONDS)

AIRBORNE - QUESTOR INTERPRETATION

- ※ 1-2 CHANNEL (350, 450 MICROSECONDS)
  - ⊕ 3-4 CHANNEL (550, 670 MICROSECONDS)
  - ⊕ 5-6 CHANNEL (790, 910 MICROSECONDS)
  - ⊕ 7-8 CHANNEL (1050, 1190 MICROSECONDS)
  - 9-10 CHANNEL (1350, 1510 MICROSECONDS)
  - 11-12 CHANNEL (1680, 1870 MICROSECONDS)

**HOMESTAKE  
MINERAL DEVELOPMENT COMPANY**


# Geological & Geophysical Compilation

|                      |                           |
|----------------------|---------------------------|
| Drawn:<br>P.C.W.     | Supervised:<br>D. Bending |
| Date:<br>Nov., 1989  | Revised:<br>May, 1991     |
| Province:<br>Ontario | NTS:<br>42 A/14           |
| Scale:<br>1:5,000    | Drawing:<br>tul-comp      |

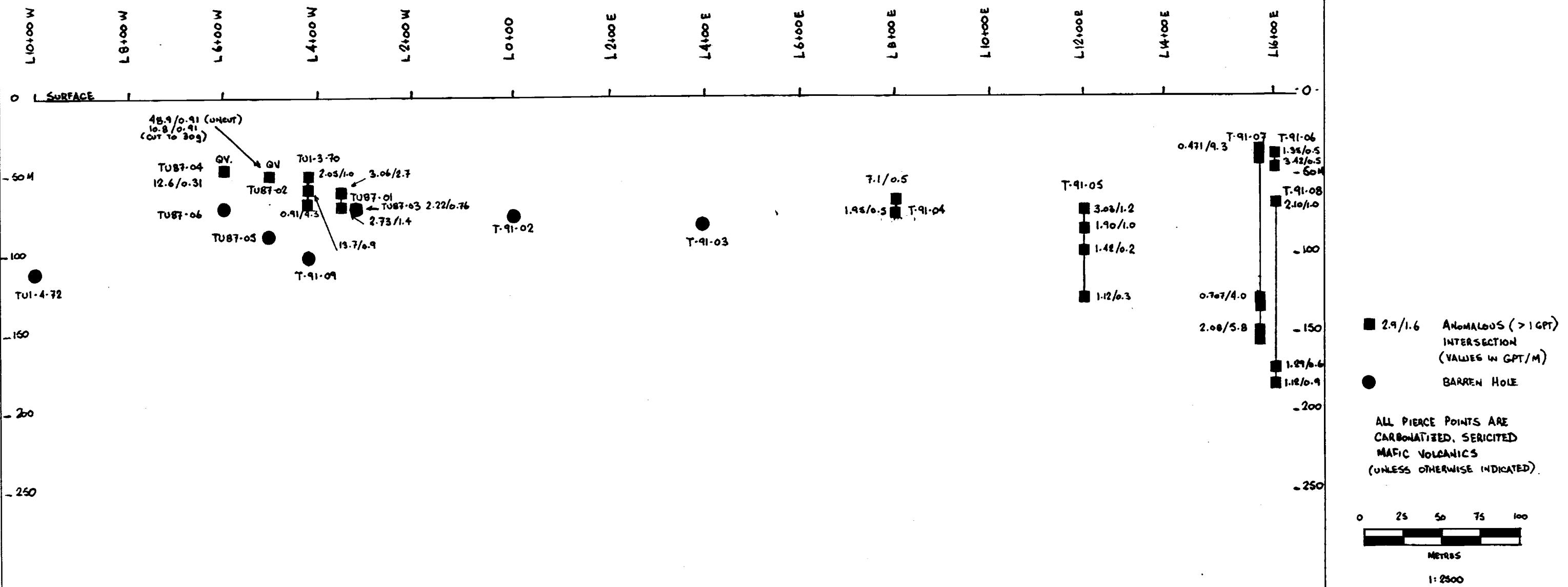


**M.V.W.WHITE &  
Associates Ltd.**

**TIMMINS, ONTARIO**



(IMPERIAL GRID LINES)



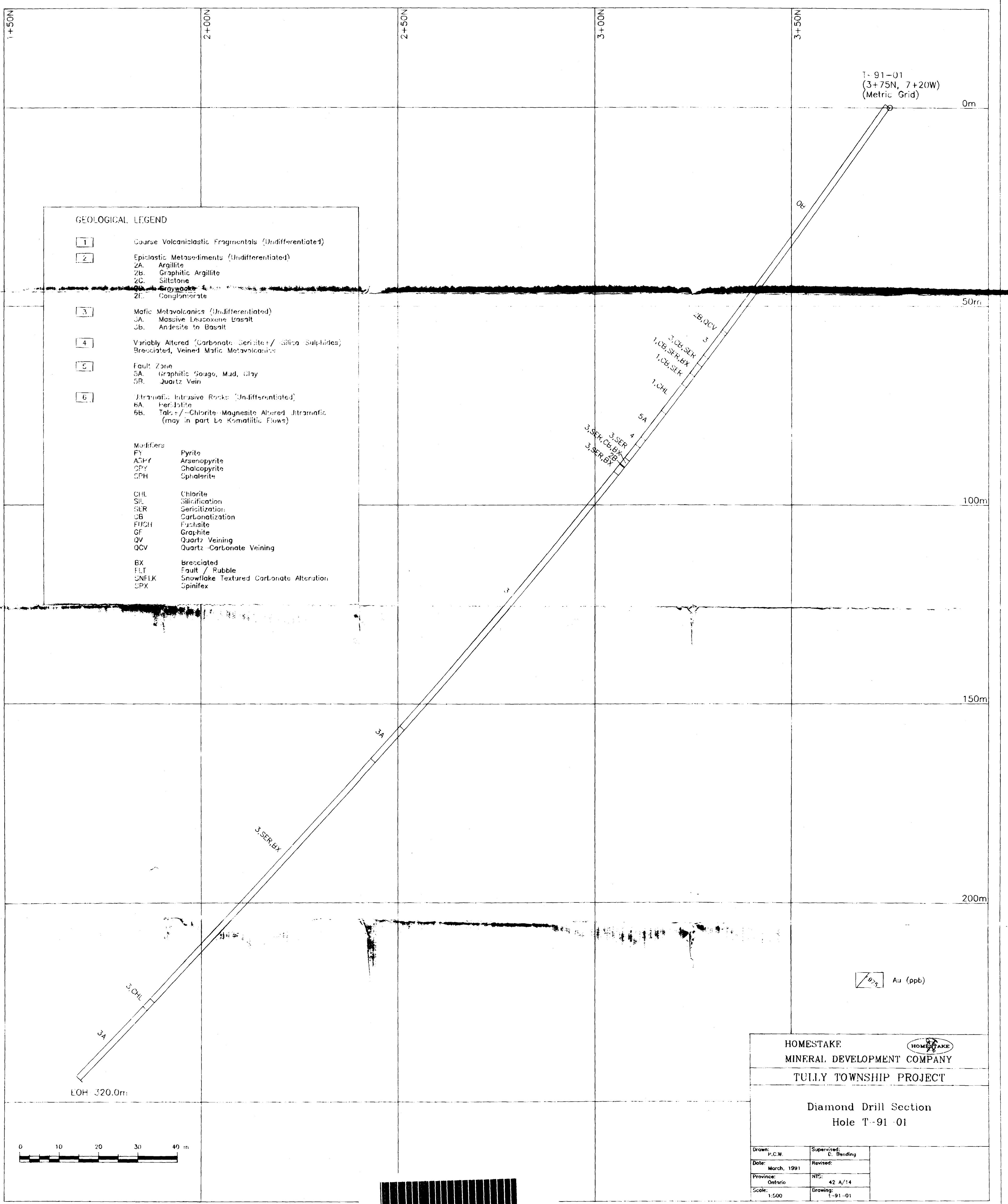
HOMESTAKE CANADA LTD.

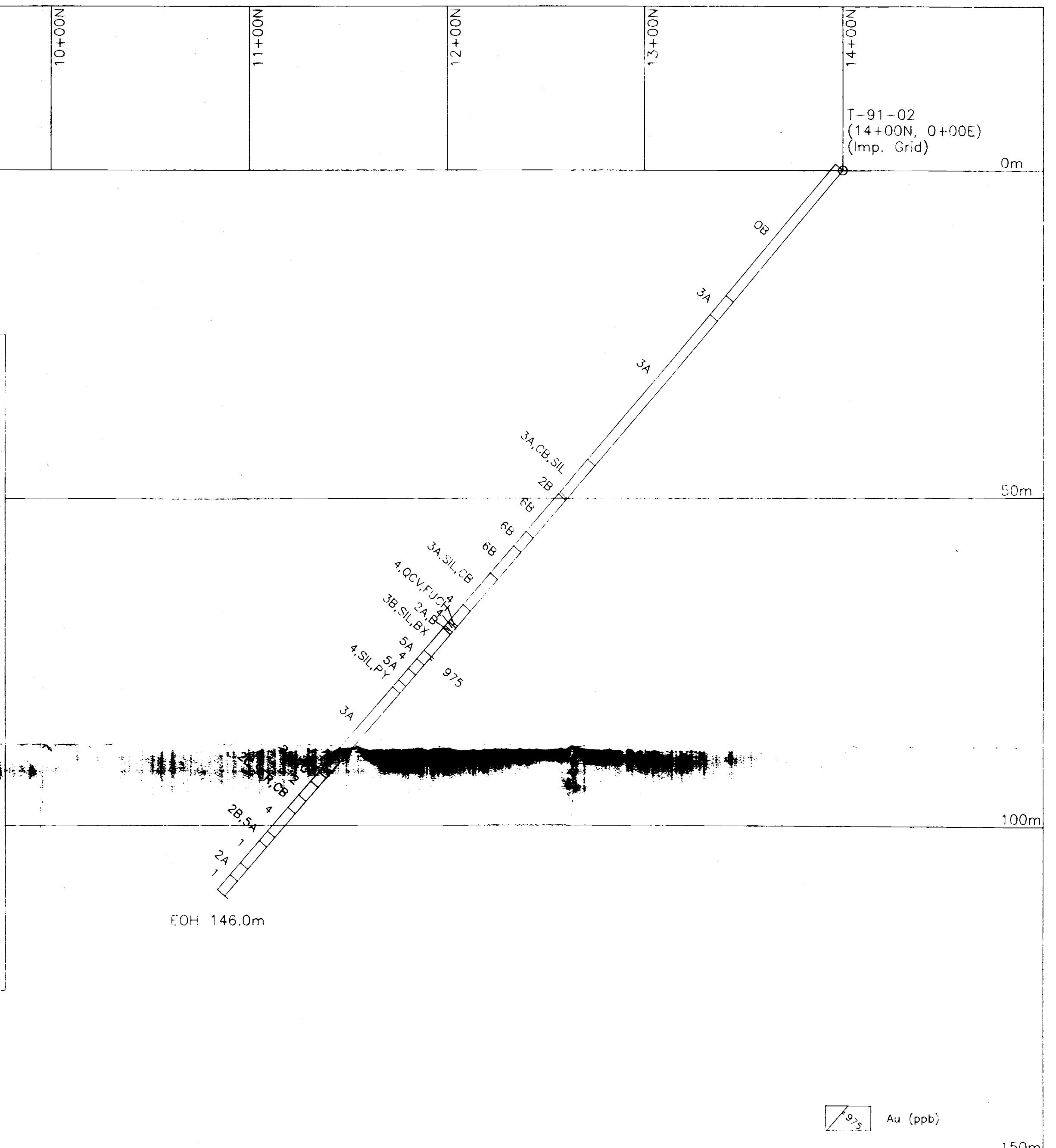
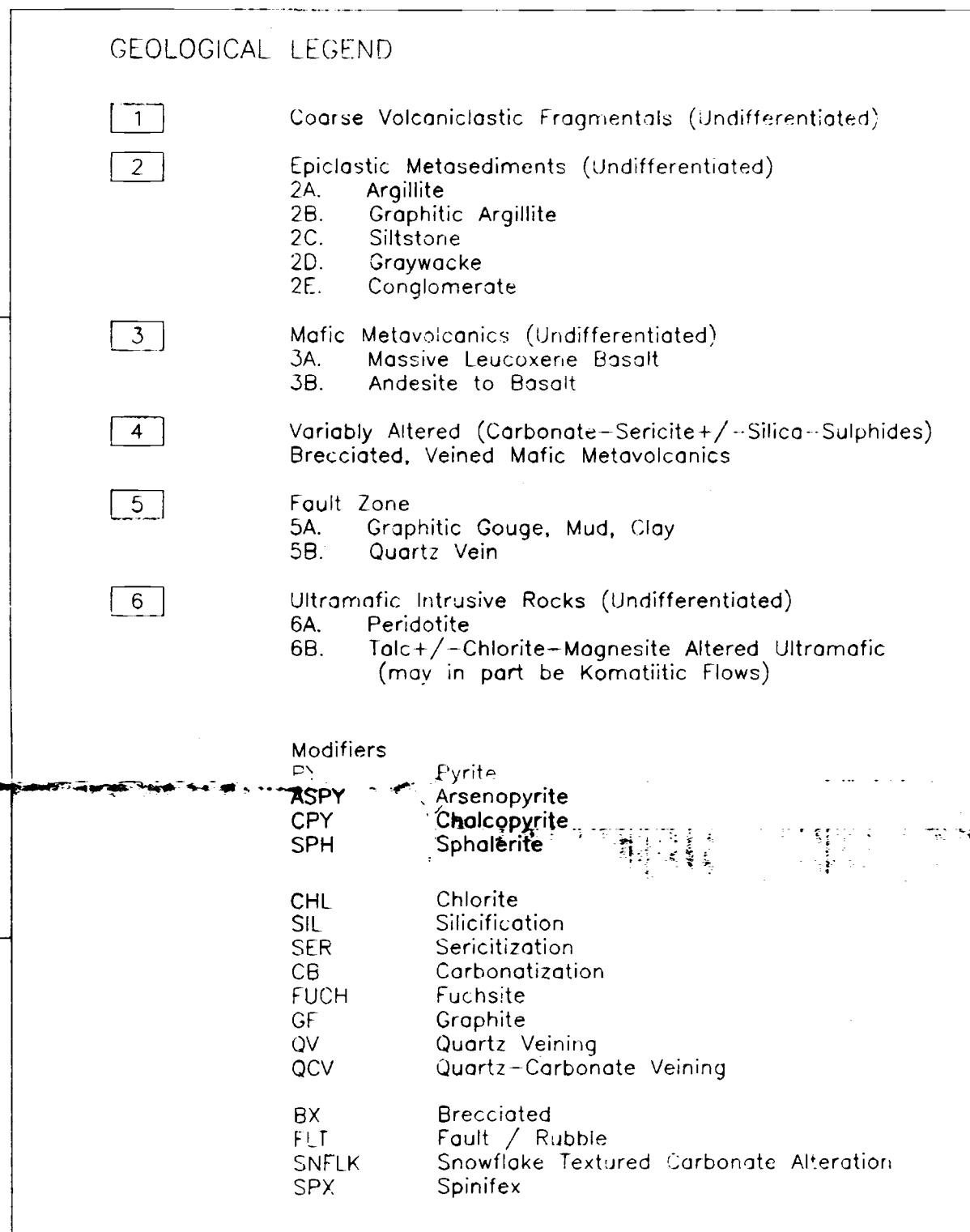
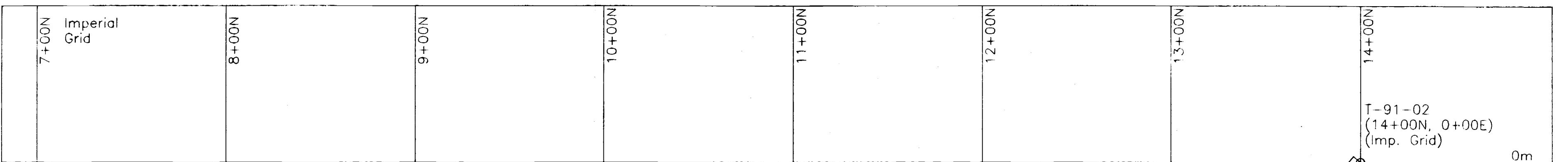
TULLY PROPERTY  
MAIN MINERALIZED ZONE  
VERTICAL LONGITUDINAL 120 DEGREES  
LOOKING NORTHEAST

INFINITE SPHERE OF INFLUENCE



42A14SE2001 OM91-082 TULLY



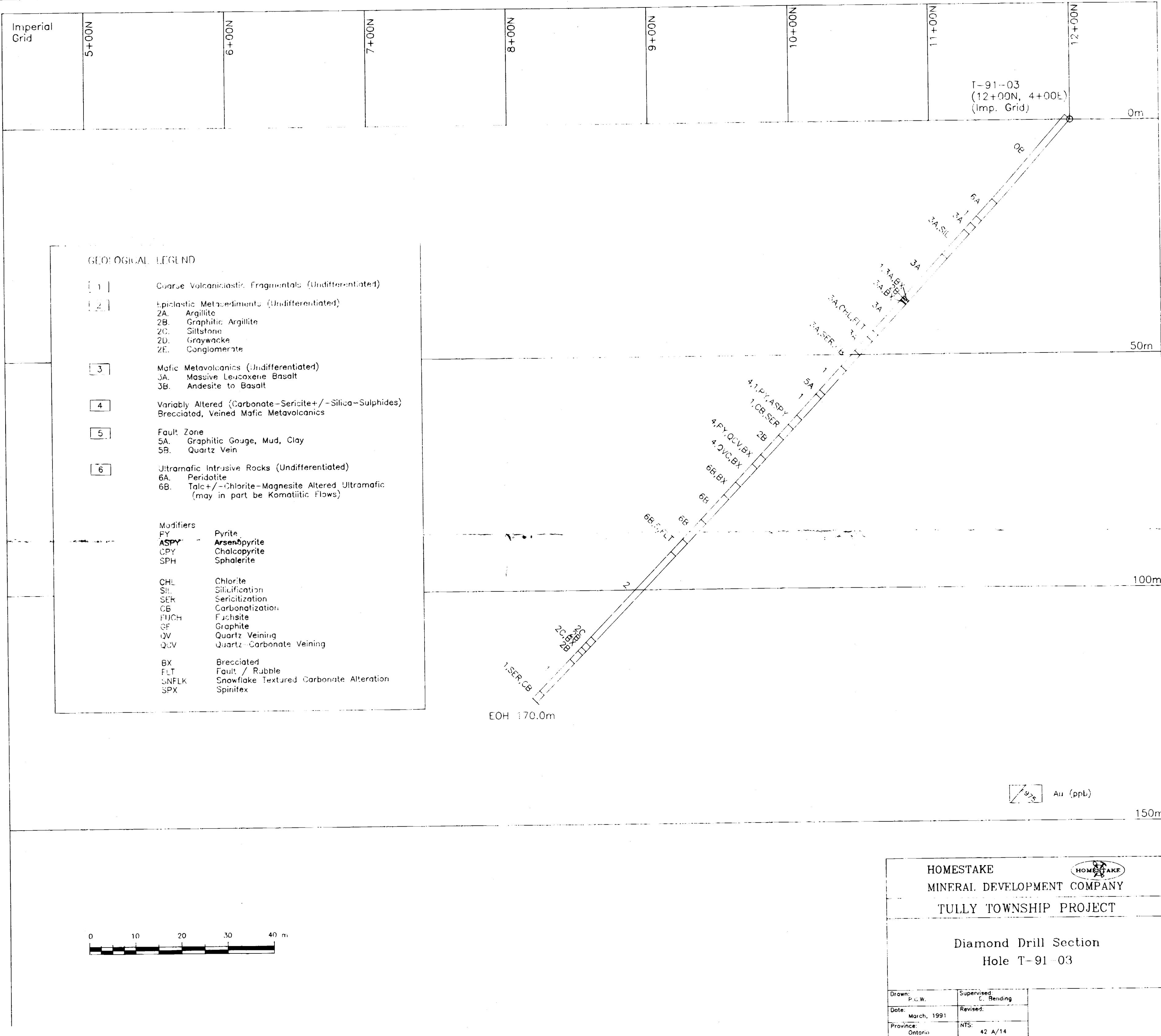


| HOMESTAKE                   |                           |
|-----------------------------|---------------------------|
| MINERAL DEVELOPMENT COMPANY |                           |
| TULLY TOWNSHIP PROJECT      |                           |
| Diamond Drill Section       |                           |
| Hole T-91-02                |                           |
| Drawn:<br>P.C.W.            | Supervised:<br>D. Bending |
| Date:<br>March, 1991        | Revised:                  |
| Province:<br>Ontario        | NTS:<br>42 A/14           |
| Scale:<br>1:500             | Drawing:<br>T-91-02       |

0 10 20 30 40 m



42A145E2001 OM91-02 TULLY



Imperial  
Grid

4+00N

5+00N

6+00N

7+00N

8+00N

9+00N

10+00N

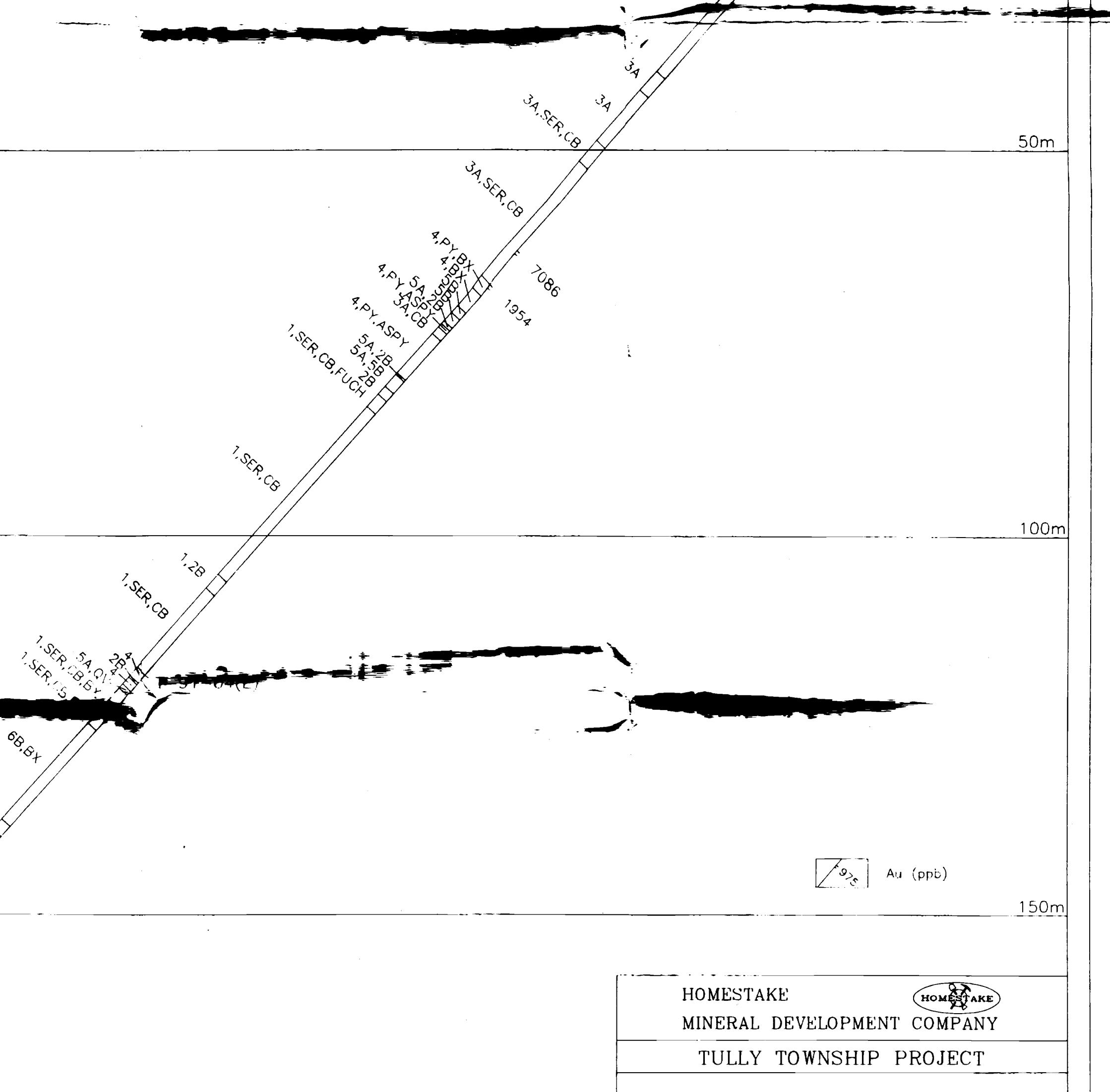
11+00N

T-91-04  
(11+00N, 8+00E)  
(Imp. Grid)

0m

GEOLOGICAL LEGEND

- [1] Coarse Volcaniclastic Fragments (Undifferentiated)
  - [2] Epiclastic Metasediments (Undifferentiated)
    - 2A. Argillite
    - 2B. Graphitic Argillite
    - 2C. Siltstone
    - 2D. Graywacke
    - 2E. Conglomerate
  - [3] Mafic Metavolcanics (Undifferentiated)
    - 3A. Massive Leucoxene Basalt
    - 3B. Andesite to Basalt
  - [4] Variably Altered (Carbonate-Sericite+/-Silica-Sulphides)  
Brecciated, Veined Mafic Metavolcanics
  - [5] Fault Zone
    - 5A. Graphitic Gouge, Mud, Clay
    - 5B. Quartz Vein
  - [6] Ultramafic Intrusive Rocks (Undifferentiated)
    - 6A. Peridotite
    - 6B. Talc+/-Chlorite-Magnesite Altered Ultramafic  
(may in part be Komatiitic Flows)
- Modifiers
- |      |              |
|------|--------------|
| PY   | Pyrite       |
| ASPY | Arsenopyrite |
| CPY  | Chalcopyrite |
| SPH  | Sphalerite   |
- CHL Chlorite  
SIL Silicification  
SER Sericitization  
CB Carbonatization  
FUCH Fuchsite  
GF Graphite  
QV Quartz Veining  
QCV Quartz-Carbonate Veining
- BX Brecciated  
FLT Fault / Rubble  
SNFLK Snowflake Textured Carbonate Alteration  
SPX Spinifex



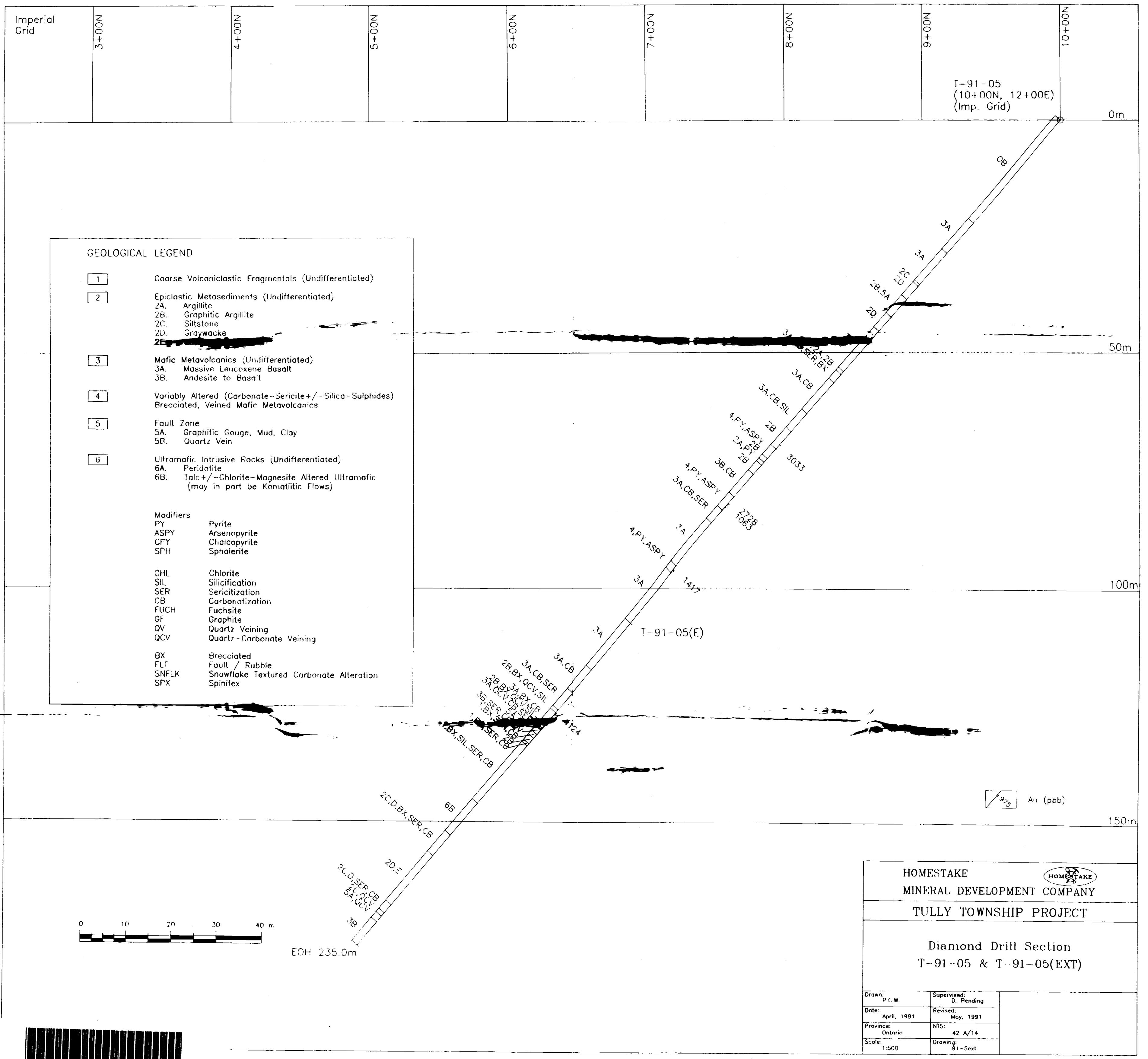
HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

TULLY TOWNSHIP PROJECT

Diamond Drill Section  
T-91-04 & T-91-04(EXT)

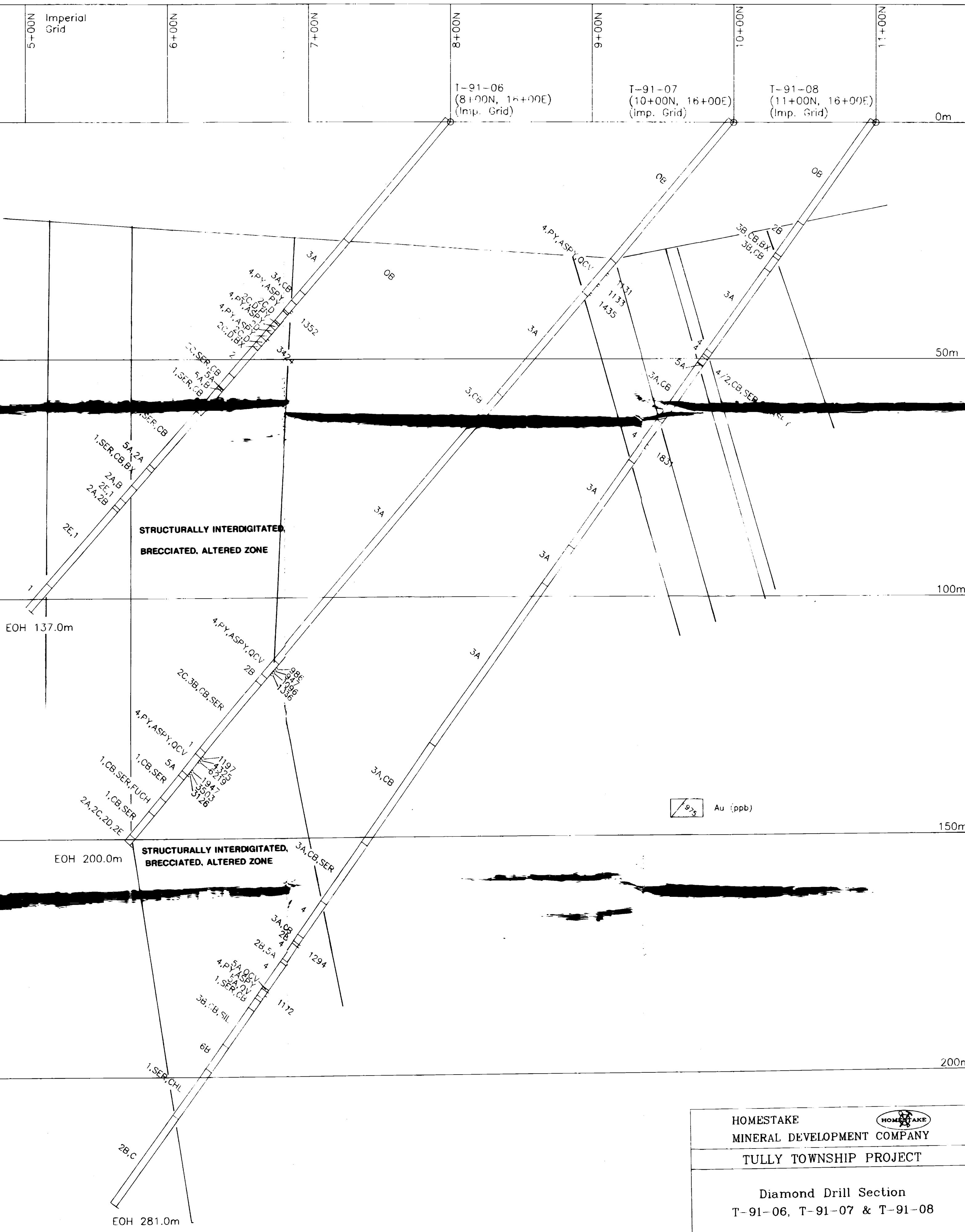
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| Drawn:    | P.C.W.      | Supervised: | O. Bending |
| Date:     | April, 1991 | Revised:    | May, 1991  |
| Province: | Ontario     | NTS:        | 42 A/14    |
| Scale:    | 1:500       | Drawing:    | 91-4ext    |

42A14SE2001 OM91-02 TULLY



GEOLOGICAL LEGEND

- [1] Coarse Volcaniclastic Fragmentals (Undifferentiated)
  - [2] Elasic Metasediments (Undifferentiated)
    - 2A. Argillite
    - 2B. Graphitic Argillite
    - 2C. Siltstone
    - 2D. Graywacke
    - 2E. Conglomerate
  - [3] Mafic Metavolcanics (Undifferentiated)
    - 3A. Massive Leucoxene Basalt
    - 3B. Andesite to Basalt
  - [4] Variably Altered (Carbonate - Sericite +/- Silica - Sulphides)
    - Brecciated, Veined Mafic Metavolcanics
  - [5] Fault Zone
    - 5A. Graphitic Gouge, Mud, Clay
    - 5B. Quartz Vein
  - [6] Ultramafic Intrusive Rocks (Undifferentiated)
    - 6A. Peridotite
    - 6B. Talc +/- Chlorite - Magnesite Altered Ultramafic (may in part be Komatiitic Flows)
- Modifiers
- FY Pyrite
  - ASPY Arsenopyrite
  - CPY Chalcopyrite
  - SPH Sphalerite
  - CHL Chlorite
  - SIL Silification
  - SER Sericitization
  - CB Carbonatization
  - FUCH Fuchsite
  - QV Quartz Veining
  - QCV Quartz-Carbonate Veining
  - BX Brecciated
  - FLT Fault / Rubble
  - SNFLK Snowflake Textured Carbonate Alteration
  - SPX Spinifex



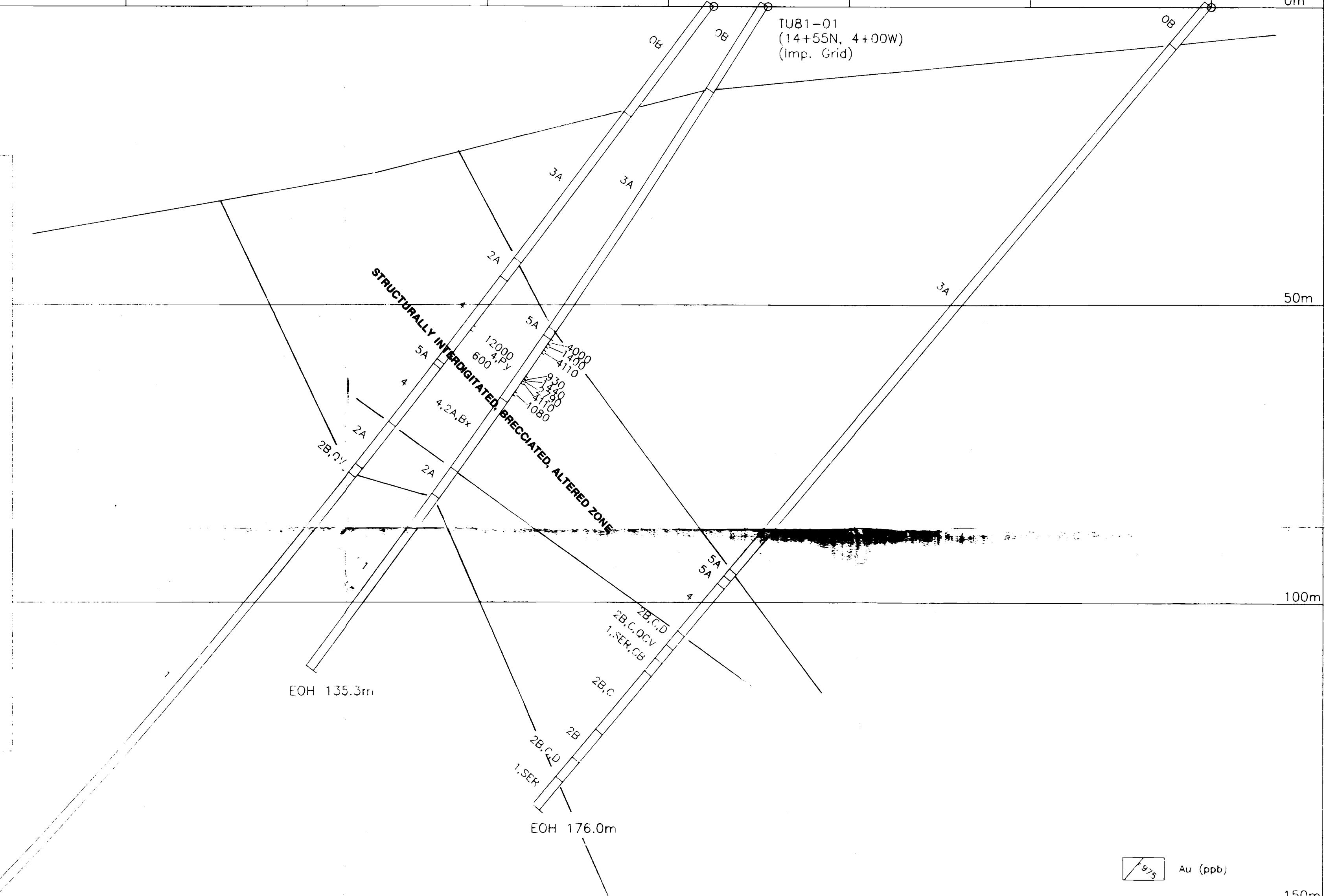
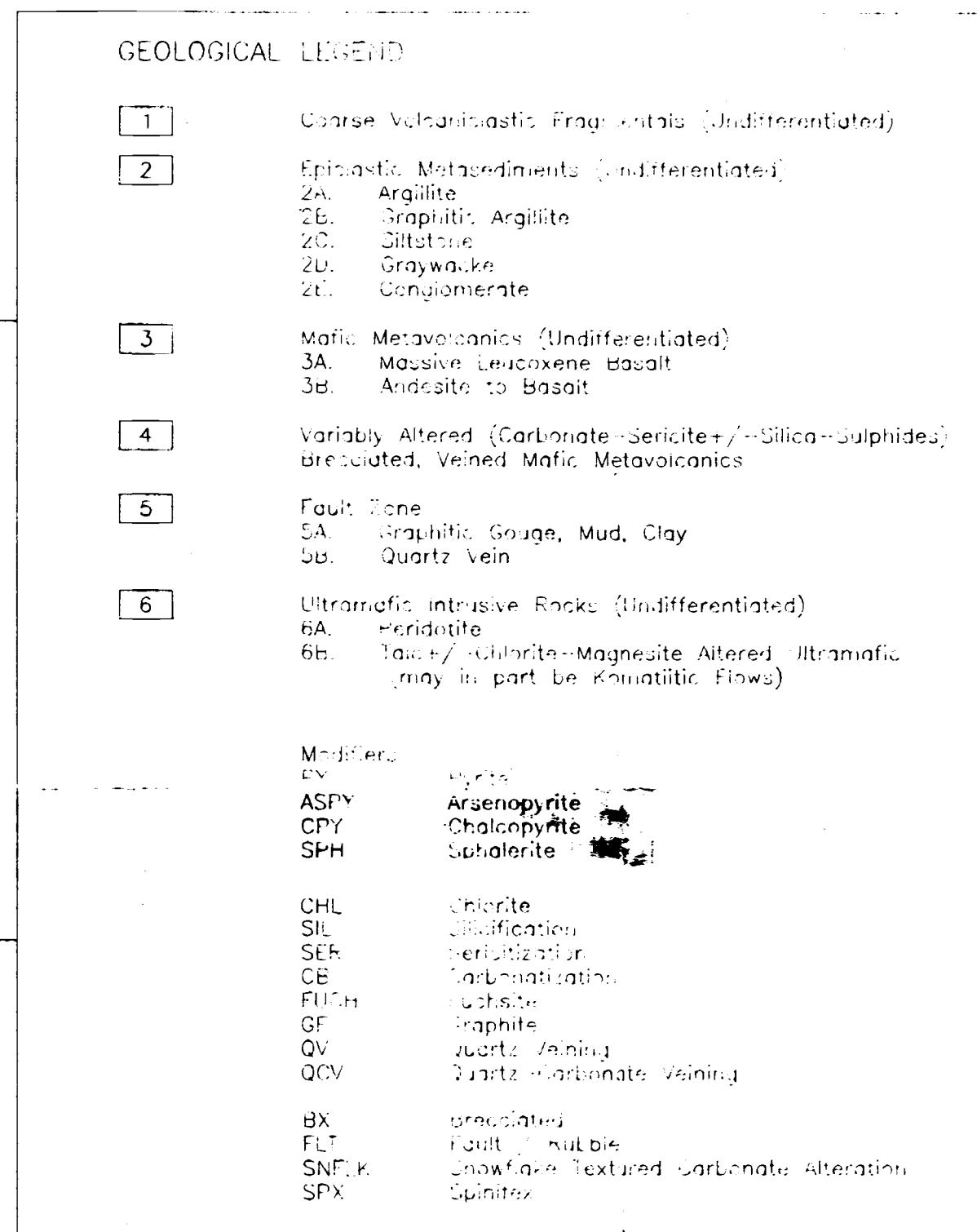
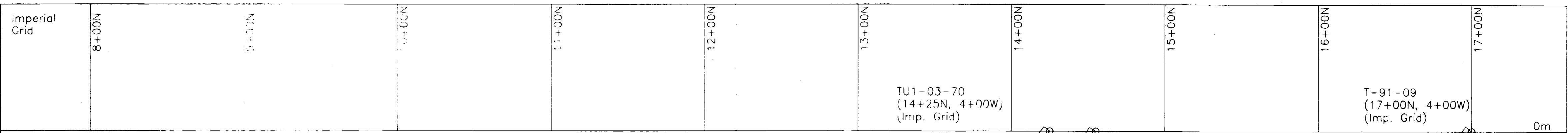
HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

TULLY TOWNSHIP PROJECT

Diamond Drill Section  
T-91-06, T-91-07 & T-91-08

|                   |                        |                   |
|-------------------|------------------------|-------------------|
| Drawn: P.C.W.     | Supervised: D. Bending | Drawing: T-91-678 |
| Date: March, 1991 | Revised:               |                   |
| Province: Ontario | NTS: 42 A/14           |                   |
| Scale: 1:500      |                        |                   |





HOMESTAKE  
MINERAL DEVELOPMENT COMPANY

TULLY TOWNSHIP PROJECT

Diamond Drill Section  
T-91-09, TU87-01 & TU1-03-70

|           |             |             |            |
|-----------|-------------|-------------|------------|
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