

81-#694
9361

ASSESSMENT REPORT ON DIAMOND DRILLING
ON THE
CITY OF PARIS C.G. (D.L. 622)
GREENWOOD MINING DIVISION

NTS 82 E/2

Latitude 49°00'30"N.
Longitude 118°36'30"W.

Owned by: Estey Agency
Operator: Teck Explorations Ltd.

Author: Alan J. Reed, P.Eng.
July 28th 1981

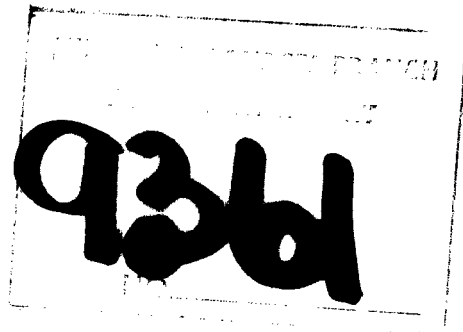


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INTRODUCTION

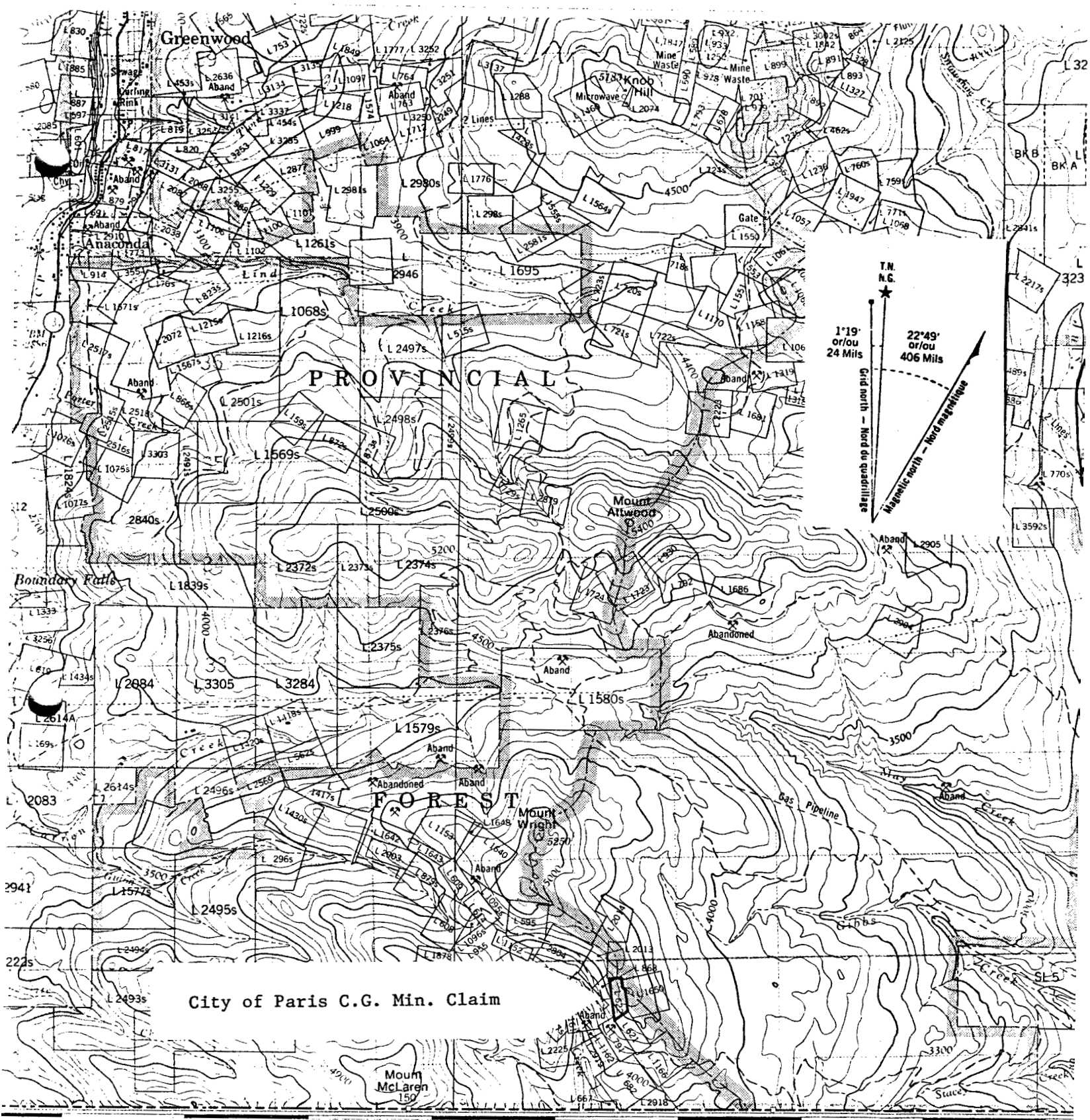
The City of Paris Crown-granted mineral claim is situated at elevation 1,370 metres, approximately ten kilometres southeast of the City of Greenwood, and is accessible by gravel roads which follow McCarren Creek and Gidon Creek from Provincial Highway #3 at Boundary Falls.

Underground exploration work first began on the City of Paris claim in 1892 when two adjacent shafts were sunk and drifting began on a pyrite-chalcopyrite-quartz vein. Recorded production from the City of Paris claim is 2,124 tons with an average grade of 0.4 oz/ton gold, 2.11 oz/ton silver, 3.14% copper, 0.03% lead and 0.007% zinc. Most of this production was obtained in 1900.

Current owner of the City of Paris claim is Estey Agency, and the current drill program was executed by Bergeron Drilling Limited of Greenwood under the direction of Teck Explorations Ltd.

Two NQ diamond drill holes totalling 358.5 metres were completed during the period April 28th to May 3rd 1981. The purpose of the drill program was to test copper and gold values in the lower part of a dacite intruded by serpentine dykes. Both holes encountered significant values in gold and copper. Figure 2 shows the locations of the two diamond-drill holes in relation to the boundaries of the City of Paris mineral claim and the Lexington survey grid.

The core is stored in Greenwood at the residence of Mr. Bud Pasco.



40'

35'

GREENWOOD

SIMILKAMEEN DIVISION OF YALE LAND DISTRICT
BRITISH COLUMBIA

Scale 1:50,000 Échelle

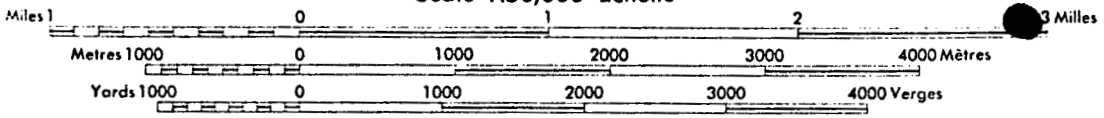


Fig. 1

Index Map for the
City of Paris C.G.
Mineral Claim

1:50,000

NTS 82 E/2

N 5500




CITY
OF
PARIS
Lot 622



N 5000

N 4500

LEGEND

-  ROADS
-  TRENCHES
-  UNDERGROUND WORKINGS

T-44
⊙

T-45
⊙

Fig. 2

TECK EXPLORATIONS

SURFACE PLAN OF THE
CITY OF PARIS MINERAL CLAIM
GREENWOOD, M.D.

SHOWING LOCATIONS OF DDH'S T-44, T-45



W 10000

W 9500

COST STATEMENT

Contract drilling of 358.5 metres of
NQ diamond drill core @ \$88.59 per metre: \$ 31,758.44

(Bergeron Drilling Limited, Greenwood, BC).

DRILL LOGS T-44, T-45

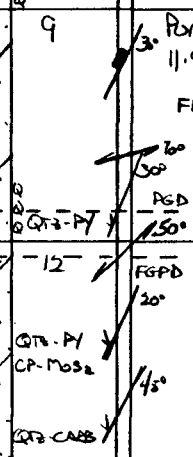
LATITUDE: 4303.80N DIP - 90°
 DEPARTURE: 10032, 27W BEARING 0
 ELEVATION: 4332.06 CORE SIZE NQ

Property: GRENABLE
DIAMOND DRILL LOG

HOLE No. T-44
 SHEET 1 OF 12

ROCK TYPES AND ALTERATION	GRAPHIC LOG ALTERATION DEPTH IN METRES STRUCTURE	MINERALIZATION AND STRUCTURES	SPECIFIC GRAVITY	METRE BLOCKS	REC'VY	SAMPLE No.	ASSAY RESULTS							
					WT. IN GRAMS		CORE %							
		<p>OVERBURDEN</p>												
<p>PORPHYRIC DACITE. COMPOSED OF N 10-40% QTE PHENOCRYSTS AND N 5-10% FSPAR PHENOCRYSTS IN A FINE GRAINED MATRIX OF QTE + FSPAR, MOSTLY SERICITIZED AND CHLORITIZED. SOME CLAY ALTN ALSO. COLOR VARIES FROM MOTTED GREEN IN WHITE IN SILICEOUS</p>	3	<p>PORPH GRAN. DAC, WEATHERED, VERY BLOCKY, STRONG LIMONITE STAIN (AFTER PY + CP) MODERATE MALACHITE ON FRACTURES. CUT BY VUGGY QTE-CARB VEINS. VERY LITTLE VISIBLE PY. NO VISIBLE CP OR MOS₂ ANY FOLIATION PRESENT IS MADE UNIDENTIFIABLE BY THE SHATTERED CONDITION OF THE CORE</p>		3.3 4.3 5.5	50% 67%									
<p>ZONES TO PALE GREEN TO MED. GREEN WITH DEGREE OF CHLORITIZATION. FOLIATION IS VARIABLE FROM WEAK TO MODY STRONG AND USUALLY INC' WITH INC. IN DEGREE OF ALTN. CUT BY RANDOMLY ORIENTED QTB + QTB-CARB VEINS THRU/O. VARIABLE WEAK TO STRONG CARBONATE</p>	6	<p>PORPH GRAN. DAC AS ABOVE. STRONGLY SILICIF. 8.6-9.0 m. MINLEN AS ABOVE.</p>		7.0 8.2	53% 50% 63%									
<p>FILLED FRACTURE NETWORK FRACTURE CONTROLED BY PY + CP MINLEN IS GENERALLY FOUND THRU/O + MASSIVE MINLEN OF PY, CP, MAG IS USUALLY FOUND AT CONTACT WITH SERPENTINITE. TRACE MOS₂ IS ALSO PRESENT DACITE IS CUT BY DIORITIC + ANDESITIC DYKES OR SILS FROM 1-9m IN WIDTH</p>	9	<p>PORPH GRAN. DACITE. MODY SILICIF. 11.4-11.9 m FEW PY VEINLETS + FRACT FILLINGS, NO VIS. CP OR MOS₂. MALACHITE ON FRACTS.</p>		9.8 11.6	83%									
<p>DACITE HAS BEEN SUBDIVIDED INTO: 1) FINE GRAINED PORPHYRIC DACITE 2) PORPHYRIC DACITE 3) PORPHYRIC GRANULAR DACITE DEPENDING ON NO. AND SIZE OF QTB PHENOC.</p>	12	<p>FGPD PORPH GRAN DACITE GRADING TO PORPH DACITE TO F.GR. PORPH DACITE N 11.7-12.2m FAIR TO WEAK CARBONATE FRACT. NETWORK + WEAK PERVASIVE CARB ALTN FEW QTB-PY VEINLETS TR CP + MOS₂ WITH PY IN QTB 20° C.A.</p>		14.0	93%									
	15													

* = PY <10%, >10%, MASSIVE
 Q = SILICIFICATION
 M = MALACHITE
 MAR = MARIPOSITE
 S = SERICITE
 L = LIMONITE
 :: = CARBONATE
 ~~~ = SHEARED  
 --- = FAULT  
 - - - = VEIN  
 - - - = FRACTURE  
 <- - - = FOLIATION  
 [ ] = BRECCIATED







PROPERTY GRENOBLE

GRID \_\_\_\_\_

DIAMOND DRILL LOG

HOLE No. T-44

SHEET 3 OF 13

| ROCK TYPES AND ALTERATION                                                                                                          | ROCK TYPE ALTERATION | GRAPHIC LOG<br>DEPTH IN METRES | STRUCTURE | MINERALIZATION AND STRUCTURES                                                                                                                               | SPECIFIC GRAVITY | METRE BLOCKS | REC'VY       | SAMPLE No. | ASSAY RESULTS |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|--------------|------------|---------------|--|--|--|--|--|--|
|                                                                                                                                    |                      |                                |           |                                                                                                                                                             |                  |              | WT. IN GRAMS |            | CORE %        |  |  |  |  |  |  |
| PORPH. DACITE                                                                                                                      | PD<br>PGD            | 30                             | ---       | ~ 5% PY DISS <sup>d</sup> THRU/O<br>TR CP AS ABOVE<br>TR MOS <sub>2</sub> AS ABOVE<br>VERY STRONG LIMONITE<br>MALACHITE ON FRACTS                           |                  | 30.5         | 38%          |            |               |  |  |  |  |  |  |
|                                                                                                                                    |                      |                                |           |                                                                                                                                                             |                  |              | 0%           |            |               |  |  |  |  |  |  |
|                                                                                                                                    |                      |                                |           |                                                                                                                                                             |                  | 31.1         | 59%          |            |               |  |  |  |  |  |  |
|                                                                                                                                    |                      |                                | ---       | ?                                                                                                                                                           |                  | 32.9         |              |            |               |  |  |  |  |  |  |
| PURPH. GRAN. DACITE, DEPTH OF CHANGE UNKNOWN DUE TO SHATTERED CORE. MOD-STRONG CHLORITIZATION. FAIR-MOD CARB. FILLED FRACT NETWORK |                      | 33                             | ---       | TR PY AS DISS <sup>ns</sup> .<br>TR CP AS FRACT. FILLINGS<br>TR MOS <sub>2</sub> AS FRACT FILLINGS<br>FOLIATION IS WEAK.<br>LIMONITE + MALACHITE ON FRACTS. |                  | 34.4         | 71%          |            |               |  |  |  |  |  |  |
|                                                                                                                                    |                      |                                |           |                                                                                                                                                             |                  |              | 71%          |            |               |  |  |  |  |  |  |
|                                                                                                                                    |                      |                                |           |                                                                                                                                                             |                  | 36.0         |              |            |               |  |  |  |  |  |  |
| PURPH. GRAN. DACITE, BECOMING SILICIFIED DOWN INTERVAL                                                                             | R<br>R<br>R<br>Q     | 36                             | ---       | MINLEN AS ABOVE + MORE PY AS<br>VEINLETS + FRACT. FILLINGS.                                                                                                 |                  | 37.8         | 79%          |            |               |  |  |  |  |  |  |
|                                                                                                                                    |                      |                                |           |                                                                                                                                                             |                  |              | 98%          |            |               |  |  |  |  |  |  |
|                                                                                                                                    |                      |                                |           |                                                                                                                                                             |                  |              |              |            |               |  |  |  |  |  |  |
| PURPH. GRAN. DACITE GRADING TO PORPH. DACITE ~ 40.5m                                                                               | R<br>R<br>R<br>Q     | 39                             | ---       | MINLEN AS ABOVE<br>LESS LIMONITE + MALACHITE                                                                                                                |                  | 40.8         | 80%          |            |               |  |  |  |  |  |  |
|                                                                                                                                    |                      |                                |           |                                                                                                                                                             |                  |              |              |            |               |  |  |  |  |  |  |
|                                                                                                                                    |                      |                                |           |                                                                                                                                                             |                  |              |              |            |               |  |  |  |  |  |  |
| PURPH. DACITE. INCREASE IN CARB. FILLED FRACT NETWORK.                                                                             | R<br>R<br>R<br>Q     | 42                             | ---       | MINLEN AS ABOVE<br>LESS LIM. + MAL.                                                                                                                         |                  | 42.1         | 50%          |            |               |  |  |  |  |  |  |
|                                                                                                                                    |                      |                                |           |                                                                                                                                                             |                  |              |              |            |               |  |  |  |  |  |  |
|                                                                                                                                    |                      |                                |           |                                                                                                                                                             |                  |              |              |            |               |  |  |  |  |  |  |
| OXIDIZED<br>NON-OXIDIZED                                                                                                           | ---                  | 45                             | ---       |                                                                                                                                                             |                  | 44.7         |              |            |               |  |  |  |  |  |  |
|                                                                                                                                    |                      |                                |           |                                                                                                                                                             |                  |              |              |            |               |  |  |  |  |  |  |



PROPERTY GRENOBLE  
 GRID \_\_\_\_\_

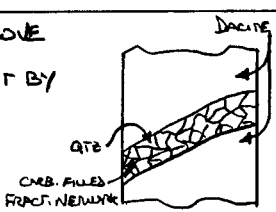
DIAMOND DRILL LOG

HOLE No. T-44  
 SHEET 5 OF 13

| ROCK TYPES AND ALTERATION                                                                                                                                                                                                                                                                        | GRAPHIC LOG<br>DEPTH IN METRES | MINERALIZATION AND STRUCTURES                                                                                                                                                                              | SPECIFIC GRAVITY | METRE BLOCKS | REC'VY       | SAMPLE No. | ASSAY RESULTS |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|--------------|------------|---------------|--|--|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                                  |                                |                                                                                                                                                                                                            |                  |              | WT. IN GRAMS |            | CORE %        |  |  |  |  |  |  |  |
| PORPH DACITE, AS ABOVE                                                                                                                                                                                                                                                                           | 60<br>PY ↘ 60                  | MINLEN AS ABOVE                                                                                                                                                                                            |                  | 60.4         |              |            |               |  |  |  |  |  |  |  |
| PORPH. DACITE, AS ABOVE, WITH INC. BANDS OF SILICIFICATION.                                                                                                                                                                                                                                      | 63<br>63                       | MINLEN AS ABOVE                                                                                                                                                                                            |                  | 63.4         |              |            |               |  |  |  |  |  |  |  |
| PORPH DACITE, SILICIFIED 67.35-68.05 m. CORE BLOCKY.                                                                                                                                                                                                                                             | 66<br>66<br>QTE ↘ 70           | MINLEN AS ABOVE<br>67.35 - 67.55 IRREG QTE VEIN<br>67.55 - 68.05 IRREG. NOOY QTE VEIN,<br>PATCHES OF CHL., CARB ALTN, VUGS<br>LINED BY EUBHEDRAL PY + CP                                                   |                  | 66.4         |              |            |               |  |  |  |  |  |  |  |
| PORPH DACITE BECOMING SILICIF. ~ 69.5 m. FEW BANDS SERICINE ALTN.                                                                                                                                                                                                                                | 69<br>69<br>PORPH DACITE       | MINLEN AS ABOVE<br>SLIGHT INC. IN PY CLOSE TO CONTACT.<br>TR MAGNETITE ADJACENT TO CONTACT                                                                                                                 |                  | 69.5         |              |            |               |  |  |  |  |  |  |  |
| PORPH DACITE<br>72.10m INDISTINCT CONTACT WITH FSPAR-BIOTITE PORPHYRIC DIORITE DYKE OR SILL. ~ 50% FSPAR PHENOCRYSTS, >1mm IN SIZE, SUBHEDRAL TO EUBHEDRAL, KAOHLINIZED; 5% EUBHEDRAL BIOTITE, IN F.GR MATRIX OF FSPAR, BIOTITE + LITTLE QTE. WEAK PERVASIVE CARB ALTN INC TO STRING ALTN ~ 72.8 | 72<br>72<br>PORPH DIORITE      | MINLEN AS ABOVE IN DACITE<br>DIORITE: VERY LITTLE TO NO PYRITE<br>SLIGHTLY MAGNETIC - FEW % MAGNETITE<br>CUT BY CARBONATE VEINS + FRACT. FILLINGS<br>NOT FOLIATED.<br>KAOHLINIZATION OF FSPAR ENDS ~ 72.8m |                  | 72.5         |              |            |               |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                  | 75                             |                                                                                                                                                                                                            |                  |              |              |            |               |  |  |  |  |  |  |  |

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DIAMOND DRILL LOG

| ROCK TYPES AND ALTERATION                                                                                                                                                        | GRAPHIC LOG<br>DEPTH IN METRES<br>STRUCTURE                 | MINERALIZATION AND STRUCTURES                                                                                                                                                                                                  | SPECIFIC GRAVITY | METRE BLOCKS | REC'VY       | SAMPLE No. | ASSAY RESULTS |  |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|--------------|------------|---------------|--|--|--|--|--|--|
|                                                                                                                                                                                  |                                                             |                                                                                                                                                                                                                                |                  |              | WT. IN GRAMS |            | CORE %        |  |  |  |  |  |  |
| ESPA- BIOTITE DIORITE DYKE/SILL.<br>76.6m INTRUSIVE CONTACT WITH PORPH. DACITE. SILICIFIED FROM CONTACT TO 77.9<br>FAIR-MOD CARB FILLED FRACT. NETWORK                           | 75<br>PORPH. DIORITE<br>50<br>PORPH. DACITE<br>QZ<br>PY-MAG | MINLEN IN DIORITE AS ABOVE<br>DACITE: n1% PY MOSTLY AS VEINLETS AND FRACT. FILLINGS + SOME DISS. <sup>ns</sup><br>TR CP AS FRACT. FILLINGS WITH CARBONATE.<br>TR MOS <sub>2</sub> AS FRACT. FILLINGS.<br>VERY WEAKLY FOLIATED. |                  | 75.6         | 100%         |            |               |  |  |  |  |  |  |
| PORPH DACITE<br>FAIR SERICITE, CLAY ALTN THRU/O                                                                                                                                  | 78<br>550<br>60<br>QZ-CARB<br>CHL-MAG<br>120                | MINLEN AS ABOVE + TR MAGNETITE WITH CARBONATE + CHL IN VEINLETS.<br><br>FOLIATION MODERATE N 50° C.A.                                                                                                                          |                  | 78.6         | 91%          |            |               |  |  |  |  |  |  |
| PORPH DACITE<br>MOD-STRONG SERICITE - CLAY ALTN N 81.3 - 84.0<br>N 82.2 - 83.0 BAND OF GREY ALTN STRONGLY FOLIATED, MINL <sup>ed</sup> , SHEARED<br>QZ VEINS, FRACTURED BY CARB. | 81<br>160<br>60                                             | MINLEN AS ABOVE + SLIGHTLY STRONGER IN GREY ALTN ZONE.<br>TR MYRIPPOSITE IN PY VEN AT 83.0m.                                                                                                                                   |                  | 81.7         | 98%          |            |               |  |  |  |  |  |  |
| PORPH. DACITE<br>SERICITE-CLAY ALTN ENDS N 87.0m<br>QZ PHENOS INCREASED TO N 30%<br>BLOCKY CORE                                                                                  | 84<br>700<br>450<br>GREY QZ + CARB                          | MINLEN AS ABOVE<br>QZ VEINS CUT BY CARB FRACT. NETWORK<br>                                                                                 |                  | 84.7         | 92%          |            |               |  |  |  |  |  |  |
| PORPH DACITE GRADING TO PORPH GRAN. DACITE N 88.5m<br>BLOCKY CORE<br>CARB. FILLED FRACT. NETWORK INC N 88.0m<br>SLIGHT INCREASE IN SILICIFICATION.<br>QZ PHENOS INCR TO N 35%    | 87<br>400<br>PY + GREY ALTN ENVELOPE                        | MINLEN AS ABOVE                                                                                                                                                                                                                |                  | 87.0         | 89%          |            |               |  |  |  |  |  |  |
|                                                                                                                                                                                  | 90                                                          |                                                                                                                                                                                                                                |                  |              |              |            |               |  |  |  |  |  |  |

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PROPERTY GRENOBLE

GRID \_\_\_\_\_

DIAMOND DRILL LOG

HOLE No. T-41

SHEET 7 OF 13

| ROCK TYPES AND ALTERATION                                                                                                                                                                                                                 | ROCK TYPE ALTERATION | GRAPHIC LOG<br>DEPTH IN METRES | STRUCTURE                 | MINERALIZATION AND STRUCTURES                                                                                                                                    | SPECIFIC GRAVITY | METRE BLOCKS | REC'VY       | SAMPLE No. | ASSAY RESULTS |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|--------------|------------|---------------|--|--|--|--|--|--|
|                                                                                                                                                                                                                                           |                      |                                |                           |                                                                                                                                                                  |                  |              | WT. IN GRAMS |            | CORE %        |  |  |  |  |  |  |
| PURPH. GRAN. DACITE, AS ABOVE.<br>MOD-STRONG CARB FILLED FRACT NETWORK                                                                                                                                                                    |                      | 90                             | 145°<br>700°<br>QZ-PY     | MINLEN AS ABOVE<br>WEAK FOLIATION N 60° C.A.<br>TR MOS <sub>2</sub> AS FRACT FILLINGS + IN QZ VEINS                                                              |                  | 988          |              | 97%        |               |  |  |  |  |  |  |
| PURPH GRAN DACITE, AS ABOVE                                                                                                                                                                                                               |                      | 93                             | 115°<br>50°<br>QZ-CARB-CP | ~ 2% PY MOSTLY AS DISSNS. FEW VEINLETS + FRACT. FILLINGS.<br>TR CP AS FRACT FILLINGS, WITH CARB.<br>TR MOS <sub>2</sub> AS FRACT FILLINGS + SMEARS // FOLIATION. |                  | 989          |              | 98%        |               |  |  |  |  |  |  |
| PURPH GRAN DACITE<br>CUT BY MUGGY QZ-CARB VEINS WITH TR CP IN VUGS.                                                                                                                                                                       |                      | 96                             | 60°<br>QZ-CARB-CP         | MINLEN AS ABOVE                                                                                                                                                  |                  | 969          |              | 95%        |               |  |  |  |  |  |  |
| PURPH GRAN DACITE<br>99.9 INTRUSIVE CONTACT WITH FINE GRAINED MASSIVE ANDESITE DYKE/SILL. DARK GREEN IN COLOUR. CUT BY STRINGERS + VEINLETS OF CARBONATE. STRONG PERVASIVE CARBONATE ALTN.<br>100.7 CONTACT WITH SERICITIZED PURPH DACITE |                      | 99                             | 70°<br>AND                | MINLEN AS ABOVE<br>ANDESITE: UNMINERALIZED.<br>DAC: MINLEN AS ABOVE                                                                                              |                  | 1000         |              | 98%        |               |  |  |  |  |  |  |
| 101.73 CONTACT WITH ANDESITE<br>102.64 SHEARED CONTACT WITH PURPH. DACITE<br>104.72 INTRUSIVE CONTACT WITH AND.                                                                                                                           |                      | 102                            | 70°<br>160°<br>70°<br>D   | DACITE: HIGHLY ALTERED TO SERICITE + CLAY, SHEARED<br>~ 3% PY AS DISSNS + VEINS<br>TR CP AS FRACT. FILLINGS<br>NO VISIBLE MOS <sub>2</sub>                       |                  | 1020         |              | 88%        |               |  |  |  |  |  |  |
|                                                                                                                                                                                                                                           |                      | 105                            |                           |                                                                                                                                                                  |                  |              |              |            |               |  |  |  |  |  |  |

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DIAMOND DRILL LOG

| ROCK TYPES AND ALTERATION                                                                                                                                                   | GRAPHIC LOG<br>DEPTH IN METRES      | MINERALIZATION AND STRUCTURES                                                                                                                                                                        | SPECIFIC GRAVITY | METRE BLOCKS | REC'VY                 | SAMPLE No. | ASSAY RESULTS |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|------------------------|------------|---------------|--|--|--|--|
|                                                                                                                                                                             |                                     |                                                                                                                                                                                                      |                  |              | WT. IN GRAMS<br>CORE % |            |               |  |  |  |  |
| MASSIVE, DK GREEN ANDESITE.<br>105.57 - CONTACT WITH PORPH. DACITE MODERATELY SILICIFIED. FAIR CARB. FILLED FRACT NETWORK FAIR - MOD CHL ON FRACTS.                         | 105 AND 106                         | ANDESITE: AS ABOVE<br>DACITE: N 5% PY AS DISSENS + VENEERS + FRACT FILLINGS<br>BRECCIATED TR CP AS FRACT FILLINGS WITH PY + WITH CARB.<br>106.65 - 106.75 - BRECCIATED APPEARS CATACLYSIC IN ORIGIN. |                  | 106.1        | 100%                   |            |               |  |  |  |  |
| PORPH DACITE:<br>SILICIFICATION DECR. N 108.2m<br>109.8m STRONG QTZ - CARB ALTN. STRONG CARB. FRACT NETWORK, VERY VUGGY. MOD CHL ON FRACTS                                  | 108<br>7.50<br>7.60<br>DRZ-CHL      | N 5% PY AS ABOVE DECR TO TRACE IN UNSILICIFIED BZONE 108.2 - 109.8m<br>TR CP AS ABOVE, SLIGHTLY INCR BELOW 109.8m.<br>WEAK FOLIATION 108.2 - 109.8m.                                                 |                  | 109.1        | 97%                    |            |               |  |  |  |  |
| PORPH DACITE GRADING TO FINE GRAINED PORPH DACITE N 112.70.<br>STRONG QTZ-CARB ALTN DECR. N 112.1m P.D. DACITE RELATIVELY UNALTD FEW VEINS FG.PD<br>HOMOGENEOUS, COMPETENT. | 111<br>60°<br>150°<br>CARB<br>FG.PD | N 5% PY AS ABOVE DECR TO N 3% AT 112.1m<br>TR CP AS ABOVE                                                                                                                                            |                  | 112.2        | 97%                    |            |               |  |  |  |  |
| F.G.R. PORPH DACITE AS ABOVE                                                                                                                                                | 114<br>60°<br>CH-PY                 | MINLEN AS ABOVE                                                                                                                                                                                      |                  | 115.3        | 100%                   |            |               |  |  |  |  |
| F.G.R. PORPH DACITE, INCR. SERICITE + CLAY ALTN.                                                                                                                            | 117<br>60°<br>DRB                   | MINLEN AS ABOVE                                                                                                                                                                                      |                  | 118.3        | 100%                   |            |               |  |  |  |  |
|                                                                                                                                                                             | 120                                 |                                                                                                                                                                                                      |                  |              |                        |            |               |  |  |  |  |

DIAMOND DRILL LOG

| ROCK TYPES AND ALTERATION                                                                      | GRAPHIC LOG<br>DEPTH IN METRES | STRUCTURE                           | MINERALIZATION AND STRUCTURES                                                                                                                                                                                                                                    | SPECIFIC GRAVITY | METRE BLOCKS | REC'VY                 | SAMPLE No. | ASSAY RESULTS |  |  |  |  |  |
|------------------------------------------------------------------------------------------------|--------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|------------------------|------------|---------------|--|--|--|--|--|
|                                                                                                |                                |                                     |                                                                                                                                                                                                                                                                  |                  |              | WT. IN GRAMS<br>CORE % |            |               |  |  |  |  |  |
| F. GR. PORPH DACITE                                                                            | 120                            | 160°                                | MINLEN AS ABOVE                                                                                                                                                                                                                                                  |                  | 121.3        | 100%                   |            |               |  |  |  |  |  |
| F. GR. PORPH DACITE<br>FAIR SERICITE, CLAY ALTN                                                | 123                            | 160°<br>PY + GREY ALTN.             | n 5% PY AS DISSNS + VEINLETS + FRACT. FILLINGS.<br>TR CP AS ABOVE<br>TR MOS <sub>2</sub> IN QTE VEIN WITH PY., CUT BY CARB.                                                                                                                                      |                  | 124.4        | 95%                    |            |               |  |  |  |  |  |
| F. GR. PORPH DACITE<br>FAIR SERICITE, CLAY ALTN                                                | 126                            | 160°<br>45°<br>80°<br>PY<br>CP-CARB | n 3% PY AS ABOVE<br>TR CP AS ABOVE<br>NO VISIBLE MOS <sub>2</sub>                                                                                                                                                                                                |                  | 127.4        | 97%                    |            |               |  |  |  |  |  |
| F. GR. PORPH DACITE, STRONG SERICITE, CLAY ALTN STARTING n 130.5. INCR IN MINLEN n 130.5 ALSO. | 129                            |                                     | MINLEN AS ABOVE TO n 130.5<br>130.5m - n 6% PY MOSTLY AS DISSNS, FEW VEINS + FRACT FILLINGS ALSO<br>TR CP AS FRACT FILLINGS WITH PY + WITH CARB<br>TR MAGNETITE + SECONDARY HEMATITE AS FRACT FILLINGS + VEINLETS.                                               |                  | 130.5        | 100%                   |            |               |  |  |  |  |  |
| F. GR. PORPH DACITE, AS ABOVE. STRONG SERICITE + CLAY ALTN DECR n 133.5                        | 132                            | 160°<br>BRECCIATED ZONE             | MINLEN AS ABOVE<br>132.3m - RAPID INCR. IN FRACTURING, GRADING INTO BRECCIATED ZONES. ZONES ARE CEMENTED, FRAGS ARE STRETCHED AND ALIGNED VERY ROUGHLY 60° C.A. ZONES ARE MINLEN, SOME FRAGS REPLACED BY PY. MOST MINLEN IS AS DISSNS EQUALLY IN FRAGS + MATRIX. |                  | 133.5        | 98%                    |            |               |  |  |  |  |  |
|                                                                                                | 135                            | 80°<br>QTE CARB + CARB              |                                                                                                                                                                                                                                                                  |                  |              |                        |            |               |  |  |  |  |  |

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DIAMOND DRILL LOG

| ROCK TYPES AND ALTERATION                                                                                                                                                  | GRAPHIC LOG          |                 | MINERALIZATION AND STRUCTURES                                                                                                                                                                                   | SPECIFIC GRAVITY | METRE BLOCKS | REC'VY    | SAMPLE No. | ASSAY RESULTS |        |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|-----------|------------|---------------|--------|--|--|--|--|
|                                                                                                                                                                            | ROCK TYPE ALTERATION | DEPTH IN METRES |                                                                                                                                                                                                                 |                  |              | STRUCTURE |            | WT. IN GRAMS  | CORE % |  |  |  |  |
| F. GR. PORPH. DACITE MED TO DK GREEN GRADING TO VERY PAKE GREEN N 136.8 m. DUE TO DECR. IN FINE PERVASIVE CHL, BUT CHL REMAINS ON FRACT. FAIR TO MOD SERICITE + CLAY ALTN. | 135                  | 60°             | MINLEN AS ABOVE<br>137.75m ABRUPT CHANGE TO BRECCIATED ZONE, 0.47 m WIDE, AGAW FRAGS ARE STRETCHED AND ROUGHLY ALIGNED 60° C.A. MOST MINLEN IS IN MATRIX, FRAGS CONTAINING FEW DISSMS. TR MARUPPOSITE, N 15% PY |                  | 136.6        | 98%       |            |               |        |  |  |  |  |
| F. GR. PORPH. DACITE SLIGHT DECR. IN CARB ALTN.                                                                                                                            | 138                  | 80°<br>4cm      | MINLEN AS ABOVE<br>FEW QTZ-CARB-CHL VEINLETS                                                                                                                                                                    |                  | 139.6        | 100%      |            |               |        |  |  |  |  |
| F. GR. PORPH. DACITE GRADING TO PURPH DACITE N 142.5m, SLIGHT DECR IN CARB ALTN DOWN INTERVAL.                                                                             | 141                  | 70°             | MINLEN AS ABOVE                                                                                                                                                                                                 |                  | 142.6        | 95%       |            |               |        |  |  |  |  |
| PORPH DACITE, BECOMING SERICIZED N 144.4m                                                                                                                                  | 144                  |                 | N 6% PY AS DISSMS THRU/O, + AS VEINLETS AND FRACT. FILLINGS. FEW 3-5cm WIDE VEINS.<br>TR CP AS FRACT FILLINGS WITH PY + WITH CARBONATE. ALSO AS SMEARS ON WEAR FOUNDW PLANES.                                   |                  | 145.7        | 100%      |            |               |        |  |  |  |  |
| PORPH DACITE.                                                                                                                                                              | 147                  | 70°<br>70°      | MINLEN AS ABOVE                                                                                                                                                                                                 |                  | 148.7        | 95%       |            |               |        |  |  |  |  |
|                                                                                                                                                                            | 150                  |                 |                                                                                                                                                                                                                 |                  |              |           |            |               |        |  |  |  |  |

DIAMOND DRILL LOG

| ROCK TYPES AND ALTERATION                                                                                                                                                                                                          | GRAPHIC LOG<br>DEPTH IN METRES                                                                                                                                                                                                                                                             | STRUCTURE                                                                                  | MINERALIZATION AND STRUCTURES                                                                                                                                                                                                                                                                                                                                              | SPECIFIC GRAVITY | METRE BLOCKS | REC'VY       | SAMPLE No. | ASSAY RESULTS |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|--------------|------------|---------------|--|--|--|--|--|
|                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                            |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                            |                  |              | WT. IN GRAMS |            | CORE %        |  |  |  |  |  |
| PORPH. DACITE, RELATIVELY UNIFORM IN COLOR, ALT. AND GRAIN SIZE. FAIRLY COMPACT. CUT BY QRB VEINS.<br>152.73m - ALMOST MASSIVE PY + CP VEIN? 0.22m WIDE<br>152.95 - SERPENTINITE. MOSTLY BLACK IN COLOR, SOME GREEN LENSES + BANDS | 150                                                                                                                                                                                                                                                                                        |                                                                                            | 6% PY INCR TO 8% DOWN INTERVAL MINLEN AS ABOVE DOWN TO 152.73<br>152.73 - ALMOST MASSIVE SULPHIDE VEIN?<br>~ 45% PY, 20% QTB, 20% CP, 10% CARB, 5% MAG, HEM, CHL, TR MARIPASITE                                                                                                                                                                                            |                  | 151.8        | 95%          |            |               |  |  |  |  |  |
|                                                                                                                                                                                                                                    | OF SERPENTINITE MINERALS, WHITE BANDS OF TALC. LITTLE CARBONATE. VERY SOFT, WAXY. APPEARS SHEARED. MINLEN<br>~ 154.9m CONTACT WITH PORPH. ANDESITIC DYKE/SILL. GREY GREEN IN COLOR. KAOLINIZED FSPAR (PLUG?) PHENOS STRETCHED AND ALIGNED // TO FOL. CUT BY CARB VEINS. STRONG PERI. CARB. | PORPH. DAC. ↘ 50°<br>SERP. ↘ 50°<br>SERP. ↘ 60°<br>SERP. —<br>PORPH. AND. —<br>SERP. ↘ 70° | SERP: RELATIVELY UNMINERALIZED EXCEPT ~ 10cm ADJACENT TO CONTACT - PY + CP SMEARS ON SHEAR PLANES. MODERATELY MAGNETIC ~ FEW % MAGNETITE.<br>154.14m ALMOST MASSIVE ~ 70% PY, 5% CP, 25% CARB, QTB, MAG. 0.13m WIDE<br>154.27: 0.07m SERP.<br>154.34: ALMOST MASSIVE ~ 70% PY, 30% QTB, CARB, SERP. 0.56m WIDE. FRAGS OF SERP PDS. INDICATE THAT SULPHIDES REPRD THE SERP. |                  | 151.8        | 100%         |            |               |  |  |  |  |  |
| 154.9 - 155.2 HIGHLY ALTERED MIXTURE OF ANDESITE + SHEARED SERP.<br>157.2 FAULT CONTACT WITH SERP. HIGHLY ALTERED. MUCH TALC + SERPENTINE. COLOR IS ALMOST WHITE                                                                   | 156                                                                                                                                                                                                                                                                                        |                                                                                            | ANDESITE: RELATIVELY UNMINERALIZED EXCEPT FOR TOP 0.3m ~ 5% PY, TR CP. ANDESITE IS MAGNETIC - FEW % MAGNETITE.<br>SERP: UNMINERALIZED EXCEPT FOR RARE PY/CP FRACTURE + THE FEW % DISS. MAGNETITE.                                                                                                                                                                          |                  | 157.9        | 85%          |            |               |  |  |  |  |  |
|                                                                                                                                                                                                                                    | SERPENTINITE, VERY STRONGLY SHEARED<br>160.4 INTRUSIVE CONTACT WITH ANDESITIC DYKE/SILL. SIMILAR TO ABOVE BUT NO CARB ALT<br>161.6 FAULT CONTACT WITH SERP.                                                                                                                                | SERP. ~ 70°<br>SERP. —<br>AND. —<br>SERP. ~ 70°                                            | SERP: AS ABOVE<br>AND: FEW % MAGNETITE<br>SERP: AS ABOVE                                                                                                                                                                                                                                                                                                                   |                  | 159.7        | 86%          |            |               |  |  |  |  |  |
| SERPENTINITE<br>FEW CHRYSOTILE FILLED VEINS ASBESTIFORM.                                                                                                                                                                           | 162                                                                                                                                                                                                                                                                                        |                                                                                            | MINLEN AS ABOVE                                                                                                                                                                                                                                                                                                                                                            |                  | 162.8        | 90%          |            |               |  |  |  |  |  |
|                                                                                                                                                                                                                                    | 165                                                                                                                                                                                                                                                                                        |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                            |                  | 164.0        | 98%          |            |               |  |  |  |  |  |

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PROPERTY GRENOBLE  
 GRID \_\_\_\_\_

DIAMOND DRILL LOG

HOLE No. T-44  
 SHEET 12 OF 13

| ROCK TYPES AND ALTERATION | GRAPHIC LOG<br>DEPTH<br>IN<br>METRES | MINERALIZATION AND STRUCTURES                                      | SPECIFIC<br>GRAVITY | METRE<br>BLOCKS | REC'VY<br>WT. IN<br>GRAMS<br>CORE<br>% | SAMPLE<br>No. | ASSAY RESULTS |  |  |  |  |
|---------------------------|--------------------------------------|--------------------------------------------------------------------|---------------------|-----------------|----------------------------------------|---------------|---------------|--|--|--|--|
|                           |                                      |                                                                    |                     |                 |                                        |               |               |  |  |  |  |
| SERPENTINITE              | 165                                  | MINLEN AS ABOVE<br>166.5 - 166.9 TR PY + CP + STRONG<br>MAGNETITE. |                     | 167.0           | 100%                                   |               |               |  |  |  |  |
| SERPENTINITE              | 168                                  | MINLEN AS ABOVE                                                    |                     | 170.1           | 98%                                    |               |               |  |  |  |  |
| SERPENTINITE              | 171                                  | MINLEN AS ABOVE                                                    |                     | 173.1           | 98%                                    |               |               |  |  |  |  |
| SERPENTINITE              | 174                                  | MINLEN AS ABOVE                                                    |                     | 176.2           | 96%                                    |               |               |  |  |  |  |
| SERPENTINITE              | 177                                  | MINLEN AS ABOVE                                                    |                     | 179.2           | 95%                                    |               |               |  |  |  |  |
|                           | 180                                  |                                                                    |                     |                 |                                        |               |               |  |  |  |  |

T-17 -

PROPERTY GRENOBLE  
 GRID \_\_\_\_\_

DIAMOND DRILL LOG

HOLE No. T-44  
 SHEET 13 OF 13

| ROCK TYPES AND ALTERATION | ROCK TYPE ALTERATION | GRAPHIC LOG     |           | MINERALIZATION AND STRUCTURES | SPECIFIC GRAVITY | METRE BLOCKS | REC'VY       |        | SAMPLE No. | ASSAY RESULTS |  |  |  |  |  |  |
|---------------------------|----------------------|-----------------|-----------|-------------------------------|------------------|--------------|--------------|--------|------------|---------------|--|--|--|--|--|--|
|                           |                      | DEPTH IN METRES | STRUCTURE |                               |                  |              | WT. IN GRAMS | CORE % |            |               |  |  |  |  |  |  |
| SERPENTINITE              |                      | 180             |           | MINLEN AS ABOVE               |                  |              | 100%         |        |            |               |  |  |  |  |  |  |
|                           |                      |                 |           | 598 ft                        |                  | 182.3        |              |        |            |               |  |  |  |  |  |  |
|                           |                      | END OF HOLE     |           |                               |                  |              |              |        |            |               |  |  |  |  |  |  |
|                           |                      |                 |           | <i>Alan J. Reed</i>           |                  |              |              |        |            |               |  |  |  |  |  |  |
|                           |                      |                 |           |                               |                  |              |              |        |            |               |  |  |  |  |  |  |
|                           |                      |                 |           |                               |                  |              |              |        |            |               |  |  |  |  |  |  |
|                           |                      |                 |           |                               |                  |              |              |        |            |               |  |  |  |  |  |  |
|                           |                      |                 |           |                               |                  |              |              |        |            |               |  |  |  |  |  |  |
|                           |                      |                 |           |                               |                  |              |              |        |            |               |  |  |  |  |  |  |

LATITUDE: 4157.66N DIP - 81°  
 DEPARTURE: 9916.64W BEARING 220°  
 ELEVATION: 4338.16 CORE SIZE NQ

Property: GRENOBLE  
**DIAMOND DRILL LOG**

HOLE No. T-45  
 SHEET 1 OF 12

| ROCK TYPES AND ALTERATION                                                                                                                                                                                                                                                           | ROCK TYPE ALTERATION | GRAPHIC LOG<br>DEPTH IN METRES | STRUCTURE | MINERALIZATION AND STRUCTURES                                                                                                                                                                                                                                                      | SPECIFIC GRAVITY | METRE BLOCKS | REC'VY       | SAMPLE No. | ASSAY RESULTS |  |  |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|--------------|------------|---------------|--|--|--|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                     |                      |                                |           |                                                                                                                                                                                                                                                                                    |                  |              | WT. IN GRAMS |            | CORE %        |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                     |                      | 0                              |           | OVERBURDEN                                                                                                                                                                                                                                                                         |                  | 1.5          |              |            |               |  |  |  |  |  |  |  |  |
| PORPHYRIC DACITE. ~ 10-40% 0.25-3.0mm QZ PHENOCRYSTS AND 5-10% <0.25 FSPAR PHENOCRYSTS IN A MATRIX OF FINE GRAINED QZ, FSPAR AND CHLORITE.                                                                                                                                          |                      |                                |           | PORPH DACITE. HIGHLY FRACTURED, VERY BLOCKY STRONG LIMONITE THRU/O AS FRACT COATINGS, BOXWORK, LINING VUGS. MODERATE MALACHITE ON FRACTS. VERY LITTLE MINLW - MOSTLY ALTD TO LIM                                                                                                   |                  | 2.4          | 87%          |            |               |  |  |  |  |  |  |  |  |
| VERY PALE GREEN TO MED. GREEN IN COLOR DEPENDING ON CHL CONTENT + OTHER ALTERATION. DACITE HAS UNDERGONE PERVASIVE SERICITE + CLAY ALTN, STRENGTH VARIABLE. ALSO CONTAINS ZONES OF SILICIFICATION. CARBONATE ALTERATION IS PERVASIVE WITH VARIABLE STRENGTH AND ALSO FILLING AN IN- |                      | 3                              |           | PORPH DACITE, AS ABOVE, ~ 20% QZ PHENOS                                                                                                                                                                                                                                            |                  | 4.0          | 79%          |            |               |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                     |                      |                                |           |                                                                                                                                                                                                                                                                                    |                  | 5.5          | 31%          |            |               |  |  |  |  |  |  |  |  |
| TRICATE FRACTURE NETWORK. DEGREE OF FRACTURING IS VARIABLE. DACITE IS CUT BY QZ, QZ-CARB, QZ-CHL, QZ-CHL-CARB, AND CARB. VEINS. MINLW IS OF TWO TYPES ① AS VEINS, VEINLETS, FRACTURE FILLINGS AND OPEN SPACE (VUGS) FILLINGS. GENERALLY                                             |                      | 6                              |           | PORPH DACITE, AS ABOVE<br>7.5m CONTACT (OBLITERATED) WITH PORPHYRIC ANDESITIC DYKE?/SILL? ~ 20% >0.25mm FSPAR (PLAG?) PHENOCRYSTS IN A U.F.GR. MATRIX OF PROB. FSPAR, CHL, BIOT?, QZ PHENOCRYSTS ARE ALTERED TO CLAY + CARB. AND ARE STRETCHED AND ALIGNED // TO STRONG FOLIATION. |                  | 7.0          | 94%          |            |               |  |  |  |  |  |  |  |  |
| FOUND THRU/O IN DACITE. ② AS MASSIVE SULPHIDE VEINS/LENSES? FOUND CLOSE TO THE CONTACT WITH SERPENTINITE, OR OCCASIONALLY ANDESITE. DACITE IS CUT BY ANDESITIC AND DIORITIC DYKES?/SILLS?                                                                                           |                      |                                |           |                                                                                                                                                                                                                                                                                    |                  | 8.5          | 89%          |            |               |  |  |  |  |  |  |  |  |
| PORPH DACITE HAS BEEN SUBDIVIDED INTO 3 VARIETIES                                                                                                                                                                                                                                   |                      | 9                              |           | LITTLE TO NO PYRITE, MAGNETIC - FEW % MAGNETITE. FAIR TO WEAK LIMONITE THRU/O.<br>10.7m CONTACT (OBLITERATED) WITH PORPH DACITE, AS ABOVE. GRADES TO PORPH GRAN. DACITE ~ 11.3m. SLIGHTLY LESS LIMONITE + MALACHITE. ~ 25-30% QZ PHENOS                                            |                  | 11.0         | 72%          |            |               |  |  |  |  |  |  |  |  |
| ① FINE GRAINED PORPHYRIC DACITE<br>② PORPHYRIC DACITE<br>③ PORPHYRIC GRANULAR DACITE DEPENDING ON NUMBER AND SIZE OF QZ PHENOCRYSTS.                                                                                                                                                |                      | 12                             |           | PORPH GRAN. DACITE AS ABOVE<br>~ 1% BY DESTD THRU/O.<br>TRCP AS FRACT FILLINGS.                                                                                                                                                                                                    |                  | 13.4         | 92%          |            |               |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                     |                      |                                |           |                                                                                                                                                                                                                                                                                    |                  | 14.3         | 51%          |            |               |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                     |                      | 15                             |           |                                                                                                                                                                                                                                                                                    |                  |              |              |            |               |  |  |  |  |  |  |  |  |

PROPERTY GRENOBLE

GRID \_\_\_\_\_

DIAMOND DRILL LOG

HOLE No. T-45  
SHEET 2 OF 12

| ROCK TYPES AND ALTERATION                                                                                                                                                          | GRAPHIC LOG<br>DEPTH IN METRES | STRUCTURE | MINERALIZATION AND STRUCTURES                                                                                                         | SPECIFIC GRAVITY | METRE BLOCKS | REC'VY       | SAMPLE No. | ASSAY RESULTS |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|--------------|------------|---------------|--|--|--|--|--|--|
|                                                                                                                                                                                    |                                |           |                                                                                                                                       |                  |              | WT. IN GRAMS |            | CORE %        |  |  |  |  |  |  |
| PORPH. GRAN. DACITE GRADING TO PORPH DACITE N 14.4m. PORPH DACITE IS STRONGLY ALTERED TO SERICITE + CLAY. FOLIATION IS STRONG + IN PLACES SHOWS CONDIRECTION. N 15-20% QZT PITENOS | 15                             |           | MINLEN AS ABOVE                                                                                                                       |                  | 16.2         | 71%          |            |               |  |  |  |  |  |  |
|                                                                                                                                                                                    |                                |           |                                                                                                                                       |                  | 17.7         | 83%          |            |               |  |  |  |  |  |  |
| PORPH DACITE. SERICITIZATION DECR N 19.0m                                                                                                                                          | 18                             |           | MINLEN AS ABOVE                                                                                                                       |                  | 20.7         | 98%          |            |               |  |  |  |  |  |  |
| PORPH DACITE, SLIGHT INCR IN SILICIFICATION N 21.0m - 22.5m                                                                                                                        | 21                             |           | MINLEN AS ABOVE                                                                                                                       |                  | 23.8         | 70%          |            |               |  |  |  |  |  |  |
| PORPH DACITE, FAIR-MOD SILICIFICATION                                                                                                                                              | 24                             |           | N 21.7m ALMOST MASSIVE PYRITE VEIN N 10cm WIDE. N 40% PY 30% QZT, 30% CARB, TR CP. N 55° C.A. HAS ENVELOPE OF GREY ALTN - UNKNOWN.    |                  | 26.8         | 97%          |            |               |  |  |  |  |  |  |
|                                                                                                                                                                                    | 27                             |           | N 2% PY MOSTLY AS DISSNS + FEW VEINS + FRACT. FILLINGS. TR CP AS FRACT FILLINGS WITH PY + WITH CARB. FEW QZT-CARB VEINS WITH CP BEBS. |                  | 29.0         | 84%          |            |               |  |  |  |  |  |  |
| PORPH DACITE                                                                                                                                                                       | 30                             |           | MINLEN AS ABOVE                                                                                                                       |                  |              | 100%         |            |               |  |  |  |  |  |  |

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PROPERTY GRENOBLE  
 GRID \_\_\_\_\_

DIAMOND DRILL LOG

HOLE No. T-45  
 SHEET 3 OF 12

| ROCK TYPES AND ALTERATION                                                                                                                | ROCK TYPE ALTERATION | GRAPHIC LOG<br>DEPTH IN METRES | STRUCTURE                                          | MINERALIZATION AND STRUCTURES                     | SPECIFIC GRAVITY | METRE BLOCKS | REC'VY       | SAMPLE No. | ASSAY RESULTS |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------|------------------|--------------|--------------|------------|---------------|--|--|--|--|--|--|
|                                                                                                                                          |                      |                                |                                                    |                                                   |                  |              | WT. IN GRAMS |            | CORE %        |  |  |  |  |  |  |
| PORPH DACITE, ZONES ALMOST APPROACHING PORPH. GRAN. DACITE.                                                                              |                      | 30                             |                                                    | MINLEN AS ABOVE                                   |                  | 31.1         | 97%          |            |               |  |  |  |  |  |  |
|                                                                                                                                          |                      |                                | ↖ 60°                                              |                                                   |                  | 32.9         |              |            |               |  |  |  |  |  |  |
| PORPH DACITE, AS ABOVE, FAIRLY COMPETENT.                                                                                                |                      | 33                             |                                                    | MINLEN AS ABOVE                                   |                  |              | 97%          |            |               |  |  |  |  |  |  |
|                                                                                                                                          |                      |                                |                                                    |                                                   |                  | 36.0         |              |            |               |  |  |  |  |  |  |
| PORPH DACITE.                                                                                                                            |                      | 36                             |                                                    | MINLEN AS ABOVE                                   |                  |              | 98%          |            |               |  |  |  |  |  |  |
|                                                                                                                                          |                      |                                | ↖ 60°<br>Qz - Qtz - Py                             |                                                   |                  | 39.0         |              |            |               |  |  |  |  |  |  |
| PORPH DACITE, SLIGHT INCR. IN QZ & PYENOS ~ 25% ALSO SLIGHT INCR. IN PERVASIVE CARB ALTN                                                 |                      | 39                             |                                                    | MINLEN AS ABOVE                                   |                  |              | 100%         |            |               |  |  |  |  |  |  |
| PORPH DACITE, MODY SERICITIZED ~ 42.5 - 45.1.<br>43.1m - 43.67. - VERY STRONG SILICIFICATION<br>44.7 - 45.0 - MOD-STRONG SILICIFICATION. |                      | 42                             |                                                    | MINLEN AS ABOVE, SLIGHT INCR IN SILICIFIED ZONES. |                  | 42.1         | 93%          |            |               |  |  |  |  |  |  |
|                                                                                                                                          |                      |                                | ↖ 65°<br>↖ 60° . 2m<br>↖ 60° . 3m<br>Qz - CHL - CP |                                                   |                  |              |              |            |               |  |  |  |  |  |  |
|                                                                                                                                          |                      | 45                             |                                                    |                                                   |                  |              |              |            |               |  |  |  |  |  |  |

PROPERTY GRENVILLE  
 GRID \_\_\_\_\_

DIAMOND DRILL LOG

HOLE No. T-45  
 SHEET 4 OF 12

| ROCK TYPES AND ALTERATION                                                                                                             | GRAPHIC LOG<br>DEPTH IN METRES                           | MINERALIZATION AND STRUCTURES                                                                                                                                                         | SPECIFIC GRAVITY | METRE BLOCKS | REC'VY       | SAMPLE No. | ASSAY RESULTS |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|--------------|------------|---------------|--|--|--|--|--|--|
|                                                                                                                                       |                                                          |                                                                                                                                                                                       |                  |              | WT. IN GRAMS |            | CORE %        |  |  |  |  |  |  |
| PORPH DACITE<br>47.1 - MOD SILICIFICATION JEOP.<br>GLUMEROPHYRIC TEXTURE IN<br>FINESS.<br>FAIR CARB. ALTN                             | 45<br>70°<br>Qtz-Py                                      | ~ 2% PY AS DISSNG THRU/O + AS VEINETS<br>+ FRACTURE FILINGS<br>TR CD AS FRACT. FILINGS WITH PY + WITH<br>CARBONATE ALSO AS OCCAS. BUBB IN<br>SILICIFIED ZONES.<br>VERY WEAK FOLIATION |                  | 45.1         |              | 100%       |               |  |  |  |  |  |  |
| PORPH DACITE, BECOMING MORE<br>ALTERED, FRACTURED, CUT BY VEINS<br>FAIR-MOD SERICITE + CLAY ALTN.<br>INCR CARB. FILLED FRACT. NETWORK | 48<br>45°<br>Qtz-Carb<br>Py-Mag                          | MINLEN AS ABOVE + TR MAGNETITE AS<br>FINE DISSNS IN Qtz-CARB.-CHL VEINETS +<br>FRACT. FILINGS. TR. SEC. HEMATITE.                                                                     |                  | 48.2         |              | 92%        |               |  |  |  |  |  |  |
| PORPH DACITE, ZONES OF STRONG<br>SERICITE + CLAY ALTN.<br>GLUMEROPHYRIC TEXTURE                                                       | 51<br>S<br>S                                             | MINLEN AS ABOVE EXCEPT FOR NO<br>VISIBLE MAGNETITE                                                                                                                                    |                  | 51.2         |              | 89%        |               |  |  |  |  |  |  |
| PORPH DACITE<br>55.4 - 56.1 STRONG SERICITIZATION.                                                                                    | 54<br>BRECCIATED<br>100°                                 | MINLEN AS ABOVE.<br>54.0 STRONGLY ALTERED ZONE GRADING TO<br>CATACLASTIC BRECCIA, WEAKLY CEMENTED.<br>ADJACENT TO SHATTERED, BLOCKY CORE.                                             |                  | 54.3<br>55.8 |              | 74%        |               |  |  |  |  |  |  |
| PORPH DACITE GRADING TO F.G.R. PORPH<br>DACITE ~ 58.9m<br>PORPH DACITE REMAINS STRONGLY ALTD<br>+ FRACTURED.                          | 57<br>40°<br>3cm<br>Py<br>P.D.<br>F.G.P.D.<br>150°<br>60 | MINLEN AS ABOVE.                                                                                                                                                                      |                  | 57.3         |              | 93%        |               |  |  |  |  |  |  |



DIAMOND DRILL LOG

| ROCK TYPES AND ALTERATION                                                                                        | GRAPHIC LOG<br>DEPTH IN METRES | STRUCTURE                                  | MINERALIZATION AND STRUCTURES                                                                                                                                                                                      | SPECIFIC GRAVITY | METRE BLOCKS | REC'VY WT. IN GRAMS |      | SAMPLE No. | ASSAY RESULTS |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|---------------------|------|------------|---------------|--|--|--|--|
|                                                                                                                  |                                |                                            |                                                                                                                                                                                                                    |                  |              | CORE %              |      |            |               |  |  |  |  |
| FGPDRPH DACITE GRADING TO PORPH. DACITE N 61.4m<br>UNIFORM IN COLOR AND TEXTURE RELATIVELY UNALTERED<br>FGPD PD. | 60                             | 150°                                       | ~ 2% PY AS DISSEMS THRU/O + AS VENEILS + FRACT FILLINGS<br>TR CP AS FRACT. FILLINGS WITH PY + WITH CARBONATE, ALSO AS OCCAS. BLEB IN SILICIFIED ZONES.<br>TR MO <sub>2</sub> AS FRACT. FILLINGS<br>WEAR FOUNDATION |                  | 60.4         |                     | 98%  |            |               |  |  |  |  |
| PORPH. DACITE, ZONES OF MOD-STRONG SERICITE ALTN; AND SILICIFICATION                                             | 63                             | Py + GRAY ALUN ENVELOPE<br>40°             | MINER AS ABOVE, NO VISIBLE MO <sub>2</sub>                                                                                                                                                                         |                  | 63.4         |                     | 97%  |            |               |  |  |  |  |
| PORPH DACITE, FAIR SILICIFICATION, DEGR N 67.0m                                                                  | 66                             |                                            | MINER AS ABOVE + TR MAGNETITE                                                                                                                                                                                      |                  | 66.4         |                     | 97%  |            |               |  |  |  |  |
| PORPH DACITE, SILICIFIED N 69.5-70.7m. MOD SERICITE ALTN 70.7m - 72.0m                                           | 69                             | 50°<br>3m<br>47°<br>CARB<br>-PY-CP.<br>50° | MINER AS ABOVE<br>70.4 - QTE VEIN 0.3m WIDE CUT BY CARB FILLED FRACS. + PY, CP FILLED FRACS.                                                                                                                       |                  | 69.5         |                     | 93%  |            |               |  |  |  |  |
| PORPH DACITE                                                                                                     | 72                             |                                            | MINER AS ABOVE                                                                                                                                                                                                     |                  | 72.5         |                     | 100% |            |               |  |  |  |  |
|                                                                                                                  | 75                             | 55°<br>50°<br>1cm<br>CP                    |                                                                                                                                                                                                                    |                  |              |                     |      |            |               |  |  |  |  |

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 SHEET 6 OF 12

DIAMOND DRILL LOG

| ROCK TYPES AND ALTERATION                                                                                                                                                                                                                                                       | ROCK TYPE ALTERATION | GRAPHIC LOG<br>DEPTH IN METRES | STRUCTURE                                      | MINERALIZATION AND STRUCTURES                                                                                                                                                                                                                 | SPECIFIC GRAVITY | METRE BLOCKS | REC'VY       | SAMPLE No. | ASSAY RESULTS |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|--------------|------------|---------------|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                 |                      |                                |                                                |                                                                                                                                                                                                                                               |                  |              | WT. IN GRAMS |            | CORE %        |  |  |  |  |  |
| <p>PORPH DACITE</p> <p>76.8m INTRUSIVE CONTACT WITH BIOTITE, FSPAR (PLAG?) PORPHYRITIC DIORITIC DYKE?/SILL? COMPOSED OF 45% &lt; 1mm FSPAR PHENOS + 5% &lt; 1mm BIOTITE PHENOS IN A V.F.GR. MATRIX OF FSPAR BIOTITE, CHL, QZ AND MAGNETITE. MOD-STRONG PERVASIVE CARB ALTN.</p> |                      | 75                             | <p>PURPA DACITE</p> <p>PURPA DIORITE</p>       | <p>MINER AS ABOVE IN PORPH DACITE</p> <p>DIORITE; VERY LITTLE TO NO PYRITE, FAIRLY MAGNETIC - FEW % MAGNETITE NOT CUT BY VEINS. FEW DISTINCTIVE VERY LOW ANGLE, &lt; 5° TO C.A., FRACTURES COATED WITH CARB + CHL. NO FOLIATION.</p>          |                  | 75.6         | 100%         |            |               |  |  |  |  |  |
| <p>PORPH. DIORITE DYKE?/SILL?</p>                                                                                                                                                                                                                                               |                      | 78                             |                                                | <p>MINER AS ABOVE</p>                                                                                                                                                                                                                         |                  | 78.6         | 96%          |            |               |  |  |  |  |  |
| <p>PORPH DIORITE DYKE?/SILL?</p> <p>82.17m INTRUSIVE CONTACT WITH PORPH. DACITE. MODERATELY ALTERED AND FRACTURED. FAIR CARB ALTN ~ 15-20% QZ PHENOS.</p>                                                                                                                       |                      | 81                             | <p>PORPH DIORITE</p> <p>PORPH DACITE → TOP</p> | <p>MINER AS ABOVE IN DIORITE</p> <p>PORPH DACITE: ~ 2% PY MOSTLY AS FRACT FILLINGS AND VEINETS, SOME MINOR DISSNS. TR CP AS FRACT FILLINGS WITH PY + WITH CARBONATE. ALSO AS BUBBS IN SUCCIF. BUBBS. FAIR FOLIATION ~ 70° C.A. DECREASING</p> |                  | 81.7         | 100%         |            |               |  |  |  |  |  |
| <p>PORPH DACITE, ALTN + FRACTURING RAPIDLY DECR. DOWN INTERVAL. GRADING TO F.GR. PORPH DACITE FROM 86.0 - 86.3 m. VERY UNIFORM AND COMPETENT.</p>                                                                                                                               |                      | 84                             | <p>84</p>                                      | <p>MINER AS ABOVE</p> <p>FOLIATION IS WEAK.</p>                                                                                                                                                                                               |                  | 84.7         | 94%          |            |               |  |  |  |  |  |
| <p>PORPH. DACITE</p>                                                                                                                                                                                                                                                            |                      | 87                             | <p>87</p> <p>→ 55°</p>                         | <p>MINER AS ABOVE.</p>                                                                                                                                                                                                                        |                  | 87.8         | 100%         |            |               |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                 |                      | 90                             |                                                |                                                                                                                                                                                                                                               |                  |              |              |            |               |  |  |  |  |  |

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### DIAMOND DRILL LOG

HOLE No. T-45  
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| ROCK TYPES AND ALTERATION                                                                                                                                      | GRAPHIC LOG                                                                                                     |                           | MINERALIZATION AND STRUCTURES                                                                                                                                                                | SPECIFIC GRAVITY | METRE BLOCKS | REC'VY    | SAMPLE No. | ASSAY RESULTS |        |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|-----------|------------|---------------|--------|--|--|--|--|--|
|                                                                                                                                                                | ROCK TYPE ALTERATION                                                                                            | DEPTH IN METRES           |                                                                                                                                                                                              |                  |              | STRUCTURE |            | WT. IN GRAMS  | CORE % |  |  |  |  |  |
| <p>PORPH DACITE, RELATIVELY UNALTERED, VERY UNIFORM IN COLOR + TEXTURE, QUITE COHESIVE. FAIR CARB FILLED FRACT NETWORK</p>                                     | <p>90<br/>QZ-PY<br/>CP</p> <p>60°<br/>1000</p>                                                                  | <p>60°<br/>1000</p>       | <p>~ 2% PY AS DISSNS THRU/O + AS VEINLETS AND FRACT FILLINGS<br/>TR CP AS FRACT FILLINGS WITH PY + WITH CARB. ALSO AS DISS IN SILICIFIED ZONES<br/>TR MOS<sub>2</sub> AS FRACT FILLINGS.</p> |                  | 928          | 98%       |            |               |        |  |  |  |  |  |
| <p>PORPH. DACITE, AS ABOVE</p>                                                                                                                                 | <p>93</p> <p>60°</p> <p>~ 20%?</p>                                                                              | <p>60°</p>                | <p>MINLEN AS ABOVE<br/>95.05 - SHEAR ZONE - POSS FAULT</p>                                                                                                                                   |                  | 939          | 98%       |            |               |        |  |  |  |  |  |
| <p>PORPH DACITE, AS ABOVE<br/>INCREASE IN FSPAR ATTENDS TO ~ 20% ATTENDS ALTERED TO CLAY + SERICITE.<br/>"QZ-FSPAR PORPHYRY"</p>                               | <p>96</p> <p>QZ<br/>-CP-PY<br/>-MOS<sub>2</sub><br/>PY-CP<br/>+ GREY ALN ENVELOPE</p> <p>600<br/>650<br/>60</p> | <p>600<br/>650<br/>60</p> | <p>MINLEN AS ABOVE</p>                                                                                                                                                                       |                  | 969          | 92%       |            |               |        |  |  |  |  |  |
| <p>QZ-FSPAR PORPH. DACITE</p>                                                                                                                                  | <p>99</p>                                                                                                       |                           | <p>MINLEN AS ABOVE.<br/>99.8-100.0 STRONG FRACT. + ALN APPROXIMATING BRECCIATED TEXTURE.</p>                                                                                                 |                  | 1000         | 100%      |            |               |        |  |  |  |  |  |
| <p>QZ-FSPAR PORPH DACITE GRADING TO QZ PORPH DACITE ~ 102.5m<br/>BECOMING STRONGLY ALTERED TO CLAY + SERICITE ~ 103.2-103.7 - DECR. TO MOD ALN TO ~ 105.0m</p> | <p>102</p> <p>S<br/>S<br/>S<br/>S<br/>S</p>                                                                     | <p>60°</p>                | <p>MINLEN AS ABOVE</p>                                                                                                                                                                       |                  | 1030         | 100%      |            |               |        |  |  |  |  |  |
|                                                                                                                                                                | <p>105</p>                                                                                                      |                           |                                                                                                                                                                                              |                  |              |           |            |               |        |  |  |  |  |  |

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DIAMOND DRILL LOG

HOLE No. T-45  
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| ROCK TYPES AND ALTERATION                                                                                                                                                                                                                             | ROCK TYPE ALTERATION<br>DEPTH IN METRES           | STRUCTURE | MINERALIZATION AND STRUCTURES                                                                                                                           | SPECIFIC GRAVITY | METRE BLOCKS | REC'VY       | SAMPLE No. | ASSAY RESULTS |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|--------------|------------|---------------|--|--|--|--|--|--|
|                                                                                                                                                                                                                                                       |                                                   |           |                                                                                                                                                         |                  |              | WT. IN GRAMS |            | CORE %        |  |  |  |  |  |  |
| PORPH DACITE BECOMING MODERATELY SILICIFIED.                                                                                                                                                                                                          | 105                                               | 40°       | MINLZN AS ABOVE<br>106.9 SHARP CHANGE (CONTACT?) WITH VERY STRONGLY ALTERED AND DEFORMED DACITE? 0.3m WIDE.                                             |                  | 106.1        | 100%         |            |               |  |  |  |  |  |  |
| PORPH DACITE, SLIGHTLY STRONGER ALTN AND FRACTURING.<br>109.05 - 109.58 INTRUSIVE PORPH. ANDESITE, GREY GREEN IN COLOR, VERY SIMILAR TO THAT AT TOP OF HOLE<br>109.58 - 111.0m DACITE IS STRONGLY ALD + FRACT STRONG CARB FRACT NETWORK. MOD SILICIF. | 108<br>PORPH DACITE<br>PORPH AND.<br>PORPH DACITE |           | PORPH DACITE: MINLZN AS ABOVE<br>ANDESITE: LITTLE TO NO PY, NONMAGNETIC<br>PORPH DACITE: MINLZN AS ABOVE                                                |                  | 109.1        | 97%          |            |               |  |  |  |  |  |  |
| PORPH DACITE, STRONGLY ALTERED, SOME CONTORTION + FOLDING PRESENT<br>BUGGY CARB VEINS + BANDS                                                                                                                                                         | 111                                               | 70°       | SLIGHT INCR IN MINLZN BUT ESSENTIALLY MINLZN IS AS ABOVE.                                                                                               |                  | 112.2        | 100%         |            |               |  |  |  |  |  |  |
| PORPH DACITE, SERICITIZED 1160-1168.                                                                                                                                                                                                                  | 114                                               |           | N3% PY AS DISSNS THRU/O + AS VEINLETS AND FRACT. FILLINGS<br>TR CP AS FRACT FILLINGS WITH PY + WITH CARBONATE.<br>TR MoS <sub>2</sub> AS FRACT FILLINGS |                  | 115.2        | 95%          |            |               |  |  |  |  |  |  |
| PORPH DACITE. INCR. IN PERSASIVE CARBONATE ALTN                                                                                                                                                                                                       | 117                                               | 165°      | N 5% PY AS ABOVE<br>TR CP AS ABOVE<br>TR MoS <sub>2</sub> AS ABOVE                                                                                      |                  | 118.3        | 97%          |            |               |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                       | 120                                               |           |                                                                                                                                                         |                  |              |              |            |               |  |  |  |  |  |  |

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DIAMOND DRILL LOG

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| ROCK TYPES AND ALTERATION                                                                                                                                                        | ROCK TYPE ALTERATION | GRAPHIC LOG     |           | MINERALIZATION AND STRUCTURES                                                                                                                                                                                              | SPECIFIC GRAVITY | METRE BLOCKS | REC'VY       | SAMPLE No. | ASSAY RESULTS |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|--------------|------------|---------------|--|--|--|--|--|
|                                                                                                                                                                                  |                      | DEPTH IN METRES | STRUCTURE |                                                                                                                                                                                                                            |                  |              | WT. IN GRAMS |            | CORE %        |  |  |  |  |  |
| <p>PORPH DACITE, SLIGHT INCR IN QTE PHENOS ~ 25-30%. MOD SILICIFICATION ~ 120.5 AND DOWN. DACITE BECOMES PALE GREEN - DECR. IN CHL.</p>                                          |                      | 120             |           | <p>MARKED INCR IN PY TO ~ 8% MOSTLY AS DISSNS BUT ALSO AS VEINLETS + FRACT. FILLINGS<br/>TR CP AS ABOVE<br/>TR MOS<sub>2</sub> AS ABOVE</p>                                                                                |                  | 1213         | 95%          |            |               |  |  |  |  |  |
| <p>PORPH DACITE, PALE GREEN, AS ABOVE.<br/>124.65 - MASSIVE PY VEIN?/LENS?<br/>125.50 - 125.90 PY STRINGERS + VEINLETS</p>                                                       |                      | 123             |           | <p>~ 10% PY AS ABOVE } ABOVE 124.65 m<br/>TR CP AS ABOVE }<br/>TR MOS<sub>2</sub> AS ABOVE }<br/>124.65 MASSIVE PY VEIN?/LENS/ 0.85m WIDE<br/>~ 85% PY, 10% CARB, 5% CP.</p>                                               |                  | 1214         | 93%          |            |               |  |  |  |  |  |
| <p>PALE GREEN PORPH DACITE, CHANGING RAPIDLY TO DARKER GREEN COLOR WITH INCR. CHL. GRADES TO PORPH GRAN DACITE ~ 127.1m. FAIRLY UNIFORM IN COLOR + TEXTURE, FAIRLY COMPETENT</p> | P.D.<br>P.G.D.       | 126             |           | <p>~ 6% PY AS ABOVE<br/>TR CP AS ABOVE<br/>TR MOS<sub>2</sub> AS ABOVE<br/>WEAK FOLIATION.</p>                                                                                                                             |                  | 1274         | 95%          |            |               |  |  |  |  |  |
| <p>PORPH GRAN DACITE, GRADING TO PORPH DACITE ~ 129.7m<br/>130.6 - 131.8 : MOD-STRONG SILICIFICATION.</p>                                                                        | P.G.D.<br>P.D.       | 129             |           | <p>MINLEN AS ABOVE<br/>131.23 - PY-QTZ VEIN, 0.12m WIDE. 60% PY<br/>40% QTZ, CUT BY INTRICATE CARB. FILLED FRACT NETWORK<br/>131.55 PY-QTZ VEIN, 2cm WIDE</p>                                                              |                  | 1305         | 100%         |            |               |  |  |  |  |  |
| <p>PORPH DACITE, SLIGHT DECR IN MINLEN. MODERATE CARBONATE FILLED FRACTURE NETWORK. BANDS OF GREY ALTN ASSOC. WITH MINLEN FRACTS + VEINS. HAVE ALSO ALTERED QTE PHENOS</p>       |                      | 132             |           | <p>~ 5% PY AS ABOVE DECR TO ~ 3% AT BOTTOM OF INTERVAL.<br/>~ 0.1% CP OVER-ALL AS VEINS WITH PY + AS FRACT FILLINGS WITH SOFT GREY ALTN, APPEARS TO REPLACE QTE, BOTH VEINLETS + PHENOS<br/>NO VISIBLE MOS<sub>2</sub></p> |                  | 1335         | 100%         |            |               |  |  |  |  |  |
|                                                                                                                                                                                  |                      | 135             |           |                                                                                                                                                                                                                            |                  |              |              |            |               |  |  |  |  |  |



DIAMOND DRILL LOG

| ROCK TYPES AND ALTERATION                                                                                                                                                                                                                                                                              | GRAPHIC LOG<br>DEPTH IN METRES | STRUCTURE                                           | MINERALIZATION AND STRUCTURES                                                                                                                                                                  | SPECIFIC GRAVITY | METRE BLOCKS | REC'VY       | SAMPLE No. | ASSAY RESULTS |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|--------------|------------|---------------|--|--|--|--|
|                                                                                                                                                                                                                                                                                                        |                                |                                                     |                                                                                                                                                                                                |                  |              | WT. IN GRAMS |            | CORE %        |  |  |  |  |
| <p>PURPH DACITE, GREY-GREEN IN COLOR, ALTERED PHENOS, BUT FEW QTB PHENOS VISIBLE.<br/>           STRONG CHL-TN ENDS ~ 150.2 m</p>                                                                                                                                                                      | 150                            | <p>QTB<br/>PY-CP</p> <p>60°<br/>76°</p>             | <p>~ 9-10% PY MOSTLY AS DISSNS, ALSO DISS. BANDS // WEAK FOLIATION. FEW VEINS.<br/>           ~ 0.1% CP MOSTLY FRACTURE CONTROLLED + IN VEINS WITH PY.</p>                                     |                  | 151.8        | 97%          |            |               |  |  |  |  |
| <p>PURPH DACITE, BECOMING SLIGHTLY SILICIFIED DOWN INTERVAL, COLOR CHANGING TO PALE GREEN.<br/>           155.2 m SERPENTINITE VEIN 0.14 m WIDE BLACK, SOFT, V.F. GR., PLATY, SHEARED<br/>           155.7 CONTACT WITH SERPENTINITE, TOP 0.3 m OF WHICH APPEARS TO HAVE BEEN</p>                      | 153                            | <p>PURPH DAC.<br/>SERP. DAC.</p> <p>60°<br/>70°</p> | <p>~ 12% PY AS ABOVE<br/>           ~ 0.1% CP AS ABOVE<br/>           155.7: 0.5 m OF 50% PY; 20% QTB, CARB, SERP, CHL; 20% MAGNETITE, 10% CP.<br/>           GRADING TO STRINGERS OF SAME</p> |                  | 154.8        | 100%         |            |               |  |  |  |  |
| <p>REPLACED BY MASSIVE SULPHIDES.<br/>           SERPENTINITE IS BLACK, SOFT, WAXY TO TOUCH, CONTAINS CONTINUED AND SHEARED CARBONATE VEINLETS, MUCH TALL.<br/>           156.28: 0.1 m INLIER OF PURPH DACITE, SHEARED ON BOTH TOP AND BOTTOM.<br/>           156.9: 0.4 m INLIER OF PURPH DACITE</p> | 156                            | <p>SERP<br/>DACITE<br/>SERP.</p> <p>60°</p>         | <p>SERPENTINITE: ~ 5-6% PY, 0.1% CP AS FRACT. FILINGS + DISS BANDS BOTH SHEARED. STRONGLY MAGNETIC ~ 10% MAGNETITE.</p>                                                                        |                  | 157.9        | 92%          |            |               |  |  |  |  |
| <p>158.9: SHEARED CONTACT WITH GREY GREEN ANDESITIC DYKE OR GILL.<br/>           MOD. STRONG CHL THRU/O, MOD. PERVASIVE CLAY ALTN<br/>           BECOMING PORPHYRIC ~ 160.0 m<br/>           ~ 10% &lt; 0.25 mm FSAR PHENOS MOSTLY KAOLINIZED.</p>                                                     | 159                            | <p>AND.<br/>CARB-CHL</p> <p>70°</p>                 | <p>ANDESITE: LITTLE TO NO SULPHIDE MINERAL MAGNETIC - FEW % MAGNETITE<br/>           WEAKLY FOLIATED</p>                                                                                       |                  | 160.9        | 87%          |            |               |  |  |  |  |
| <p>FAIR PERVASIVE CARBONATE ALTN<br/>           CORE IS VERY BLOCKY, FEW SHEAR ZONES.</p>                                                                                                                                                                                                              | 162                            | <p>CARB.</p> <p>70°<br/>60°</p>                     | <p>AS ABOVE</p>                                                                                                                                                                                |                  | 164.0        | 69%          |            |               |  |  |  |  |
|                                                                                                                                                                                                                                                                                                        | 165                            |                                                     |                                                                                                                                                                                                |                  |              |              |            |               |  |  |  |  |

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DIAMOND DRILL LOG

| ROCK TYPES AND ALTERATION                                                                                                                                                                                                                                                        | GRAPHIC LOG<br>DEPTH IN METRES | STRUCTURE          | MINERALIZATION AND STRUCTURES                                                                                                                                  | SPECIFIC GRAVITY | METRE BLOCKS | REC'VY       | SAMPLE No. | ASSAY RESULTS |  |  |  |  |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|--------------|------------|---------------|--|--|--|--|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                  |                                |                    |                                                                                                                                                                |                  |              | WT. IN GRAMS |            | CORE %        |  |  |  |  |  |  |  |  |  |
| Porphy Andesite                                                                                                                                                                                                                                                                  | 165                            |                    | MINERAL AS ABOVE                                                                                                                                               |                  |              |              |            |               |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                  |                                |                    |                                                                                                                                                                |                  | 167.0        | 71%          |            |               |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                  |                                |                    |                                                                                                                                                                |                  |              | 88%          |            |               |  |  |  |  |  |  |  |  |  |
| Porphy Andesite as above<br>170.75 CONTACT WITH DYKE OR SILL.<br>BLACK IN COLOR. N 40% BLACK LATH-LIKE (HBL?)<br>PHENOCRYSTS SET IN A V.F. GR. DARK GREY<br>MATRIX. STRONG PERVASIVE CARBONATE<br>ALTN.<br>COULD BE UNSERPENTINIZED PYROXENITE<br>OR LATE DIABASE? GABBRO? DYKE. | 168                            |                    | MINERAL AS ABOVE<br>170.55 - 0.2m Qtz-Py vein in contact<br>DYKE: FEW% MAGNETITE. OCCAS<br>EQUEDRAL Py DISS THRU/O<br>WEAK FOL. N 60° C.A<br>CUT BY CARB VEINS |                  | 168.6        | 73%          |            |               |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                  |                                | Porphy AND<br>DYKE |                                                                                                                                                                |                  | 170.1        |              |            |               |  |  |  |  |  |  |  |  |  |
| 171.36 CONTACT WITH SERPENTINITE<br>171.45 - 172.0 SHEAR ZONE - APPEARS<br>TO BE SERP.<br>172.0 CONTACT WITH PORPHY AND.<br>173.1 CONTACT WITH UNMINERALIZED<br>SERP. GREEN BLACK, VEINS OF TALC<br>+ CARB.                                                                      | 171                            |                    | SERP: TR PY + CP AS SHEARED<br>VEINS + FRACT FILLINGS.<br>AND: MINERAL AS ABOVE                                                                                |                  |              | 94%          |            |               |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                  |                                | SERP               |                                                                                                                                                                |                  |              |              |            |               |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                  |                                | Porphy AND         |                                                                                                                                                                |                  | 173.1        |              |            |               |  |  |  |  |  |  |  |  |  |
| SERPENTINITE                                                                                                                                                                                                                                                                     | 174                            |                    | MINERAL AS ABOVE                                                                                                                                               |                  |              | 98%          |            |               |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                  |                                |                    |                                                                                                                                                                |                  | 176.2        |              |            |               |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                  |                                |                    | 578 ft                                                                                                                                                         |                  |              |              |            |               |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                  |                                | END OF HOLE        |                                                                                                                                                                |                  |              |              |            |               |  |  |  |  |  |  |  |  |  |

*Alan J. Reed*

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CERTIFICATES OF ASSAY T-44, T-45

**AFTON MINES LTD.**

P.O. BOX 937  
 KAMLOOPS, B.C.  
 V2C 5N4

PHONE: (604) 374-5022  
 TELEX: ADMIN. 048-8327  
 PURCH. 048-8328

CERTIFICATE OF ASSAY

28 May, 1981

ATTENTION: W. Meyers

I hereby certify that the following are the assays performed in Afton's laboratory upon the herein described Job No. 1282 drill core samples.

| <u>Hole No.</u> | <u>Tag No.</u> | <u>Footage</u> | <u>Gold<br/>oz/ST</u> | <u>Silver<br/>oz/ST</u> | <u>Copper %</u> | <u>MoS<sub>2</sub> %</u> |
|-----------------|----------------|----------------|-----------------------|-------------------------|-----------------|--------------------------|
| T-44            | 9984           | 5.5-8.2        | 0.0032                | 0.025                   | 0.167           | 0.002                    |
|                 | 9985           | 18-21          | 0.0055                | 0.056                   | 0.338           | 0.010                    |
|                 | 9986           | 21-24          | 0.0032                | 0.044                   | 0.190           | 0.006                    |
|                 | 9987           | 36-39          | 0.0055                | 0.024                   | 0.252           | 0.007                    |
|                 | 9988           | 45-45          | 0.0023                | 0.038                   | 0.177           | 0.011                    |
|                 | 9989           | 57-60          | 0.0023                | 0.020                   | 0.111           | 0.004                    |
|                 | 9990           | 66-69          | 0.0028                | 0.019                   | 0.101           | 0.022                    |
|                 | 9991           | 69-72.1        | 0.0027                | 0.026                   | 0.135           | 0.005                    |
|                 | 9992           | 76-78          | 0.0020                | 0.022                   | 0.141           | 0.026                    |
|                 | 9993           | 78-81          | 0.0046                | 0.035                   | 0.229           | 0.010                    |
|                 | 9994           | 81-84          | 0.0081                | 0.068                   | 0.305           | 0.013                    |
|                 | 9995           | 90-93          | 0.0025                | 0.020                   | 0.099           | 0.011                    |
|                 | 9996           | 111-114        | 0.0052                | 0.023                   | 0.113           | 0.006                    |
|                 | 9997           | 114-117        | 0.0022                | 0.024                   | 0.091           | 0.001                    |
|                 | 9998           | 117-120        | 0.0055                | 0.033                   | 0.079           | 0.002                    |
|                 | 9999           | 120-123        | 0.0073                | 0.033                   | 0.041           | 0.002                    |
|                 | 10000          | 123-126        | 0.0032                | 0.031                   | 0.062           | 0.006                    |
|                 | 10001          | 126-129        | 0.0035                | 0.018                   | 0.033           | 0.001                    |
|                 | 10002          | 129-132        | 0.0127                | 0.021                   | 0.050           | 0.001                    |
|                 | 10003          | 132-135        | 0.0057                | 0.022                   | 0.040           | 0.003                    |
|                 | 10004          | 135-138        | 0.0032                | 0.028                   | 0.045           | 0.002                    |
|                 | 10005          | 138-141        | 0.0033                | 0.028                   | 0.041           | 0.005                    |
|                 | 10006          | 141-144        | 0.0078                | 0.031                   | 0.095           | 0.002                    |
|                 | 10007          | 144-147        | 0.0009                | 0.020                   | 0.068           | 0.002                    |
|                 | 10008          | 147-150        | 0.0022                | 0.023                   | 0.080           | 0.002                    |
|                 | 10009          | 150-152.7      | 0.0019                | 0.021                   | 0.054           | 0.001                    |
|                 | 10010          | 152.7-155.2    | 0.0597                | 0.080                   | 0.696           | 0.001                    |

*Barry Meun*  
 Registered Assayer  
 Province of B.C.



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## CERTIFICATE OF ASSAY

28 May, 1981

ATTENTION: W. Meyers

I hereby certify that the following are the assays performed in Afton's laboratory upon the herein described Job No. 1282 drill core samples.

| <u>Hole No.</u> | <u>Tag No.</u> | <u>Footage</u> | <u>Gold<br/>oz/ST</u> | <u>Silver<br/>oz/ST</u> | <u>Copper %</u> | <u>MoS<sub>2</sub> %</u> |
|-----------------|----------------|----------------|-----------------------|-------------------------|-----------------|--------------------------|
| T-45            | 10011          | 3-6            | 0.0830                | 0.035                   | 0.223           | 0.001                    |
|                 | 10012          | 15-18          | 0.0069                | 0.085                   | 0.208           | 0.002                    |
|                 | 10013          | 18-21          | 0.0038                | 0.034                   | 0.171           | 0.003                    |
|                 | 10014          | 21-24          | 0.0179                | 0.120                   | 0.190           | 0.003                    |
|                 | 10015          | 24-27          | 0.0052                | 0.020                   | 0.176           | 0.003                    |
|                 | 10016          | 36-39          | 0.0029                | 0.019                   | 0.136           | 0.005                    |
|                 | 10017          | 51-54          | 0.0029                | 0.030                   | 0.116           | 0.004                    |
|                 | 10018          | 69-72          | 0.0046                | 0.048                   | 0.250           | 0.016                    |
|                 | 10019          | 72-75          | 0.0042                | 0.018                   | 0.376           | 0.010                    |
|                 | 10020          | 75-76.8        | 0.0040                | 0.017                   | 0.182           | 0.005                    |
|                 | 10021          | 82.17-84       | 0.0064                | 0.034                   | 0.244           | 0.015                    |
|                 | 10022          | 84-87          | 0.0023                | 0.018                   | 0.102           | 0.016                    |
|                 | 10023          | 93-96          | 0.0025                | 0.020                   | 0.177           | 0.013                    |
|                 | 10024          | 102-105        | 0.0022                | 0.018                   | 0.147           | 0.005                    |
|                 | 10025          | 111-114        | 0.0022                | 0.016                   | 0.083           | LO.001                   |
|                 | 10026          | 114-117        | 0.0023                | 0.018                   | 0.143           | 0.006                    |
|                 | 10027          | 117-120        | 0.0012                | 0.016                   | 0.062           | 0.001                    |
|                 | 10028          | 120-123        | 0.0125                | 0.057                   | 0.300           | 0.001                    |
|                 | 10029          | 123-124.65     | 0.0033                | 0.019                   | 0.090           | LO.001                   |
|                 | 10030          | 124.65-125.7   | 0.0321                | 0.318                   | 1.135           | 0.002                    |
| 10031           | 125.9 -129     | 0.0015         | 0.020                 | 0.079                   | 0.001           |                          |
| 10032           | 129-132        | 0.0019         | 0.027                 | 0.054                   | 0.002           |                          |
| 10033           | 132-135        | 0.1340         | 0.061                 | 0.577                   | 0.002           |                          |
| 10034           | 135-138        | 0.0316         | 0.052                 | 0.375                   | 0.004           |                          |
| 10035           | 138-141        | 0.0661         | 0.067                 | 0.628                   | 0.002           |                          |
| 10036           | 141-144        | 0.0632         | 0.042                 | 0.336                   | 0.001           |                          |
| 10037           | 144-147        | 0.4320         | 0.207                 | 1.964                   | 0.002           |                          |
| 10038           | 147-150        | 0.2140         | 0.146                 | 1.259                   | 0.002           |                          |
| 10039           | 150-153        | 0.1201         | 0.127                 | 0.915                   | 0.002           |                          |
| 10040           | 153-156        | 0.1283         | 0.147                 | 0.988                   | 0.002           |                          |

*Benny Hux*

Registered Assayer  
Province of B.C.

STATEMENT OF QUALIFICATIONS OF AUTHOR

I, Alan James Reed of the City of Kamloops, do hereby certify that

- a) I am an Honours Graduate in Geology from the University of Leeds, United Kingdom;
- b) I am a Professional Engineer registered in the Provinces of British Columbia and Ontario;
- c) I have practised my profession continuously for eighteen years.

A handwritten signature in cursive script that reads "Alan J. Reed". The signature is written in black ink and is positioned to the right of the typed text.

Alan J. Reed, P.Eng.  
July 28th 1981