

~~Surface~~ DDH
Underground

091709

Log Diamond Drill Hole, Tom Claims, Yukon

Hole Number: U-1

N79780.29 Dip: -2° Strike: N44°46'E
E51068.56 Elev: 4754.89 Depth: 145'

Started: Aug. 16th, 1970, Finished: Aug. 18th, 1970.

Drilled By: Cameron McCutcheon Drilling Ltd.

Logged By: I. Young.

0.0 31.4 Grey, finegrained siliceous argillite, few thin beds medium grained siltstone .5' to 2', numerous thin contorted beds siltstone, occasional white quartz stringers, slight pyrite, odd speck chalcopryite at 0.5'. Lost core: 1.3-2.3', 3.2-4.7', 5.5-6.8', 8.9-10.0'. Core angles: at 17.5' 70°, at 27.5' 74°, at 28.6' 35°

31.4 32.1 Black graphitic argillite, fine grained, slight pyrite.

32.1 36.2 Grey finegrained siliceous argillite, numerous thin beds siltstone, some contorted, slight pyrite. core angle at 34.5' 45°.

36.2 38.8 Black fine grained graphitic argillite, few thin contorted beds siltstone, slight pyrite.

38.8 47.8 Grey, fine grained argillite, numerous thin beds contorted siltstone, slight pyrite, several carbonate stringers from 43.1' to 47.8', numerous fractures.

47.8 100.8 Grey baritic limestone, some contorted beds, numerous thin beds chert and argillite, slight pyrite, slight to fair galena, disseminated sphalerite along bedding. Sphalerite most

- 2 -

abundant in the following zones: 55.5-56.2', 82.0-83.7', 94.0-96.6', 97.8-99.4', beds of argillite abundant from 91.5-93.6', Lost core 54.0-55.8', 56.0-56.6', 57.6-58.5', 63.6-64.4', 67.8-69.0'. Core angles: 51.0' 27°, 75.0' 23°, 83.0' 27°, 88.8' 24°, 92.4' 31°.

100.8 102.9 Massive galena and sphalerite, slight pyrite, odd stringers white quartz.

102.9 114.4 Solid sulphide, pyrite, few thin contorted beds chert and argillite, fair galena, slight sphalerite, abundant white quartz, slight chalcopryite at 114', lost core 112.7-113.9'.

114.4 116.3 Fine grained black chert, numerous stringers white quartz, fair pyrite, slight galena.

116.3 121.9 Fine grained grey siliceous argillite, well bedded, some contortion, few thin beds chert, fair pyrite and galena, pale brown sphalerite in bedding, lost core 112.7-113.9', core angle 22° at 118.6'

121.9 125.3 Fine grained grey siliceous argillite, few quartz stringers, carbonate in fractures.

125.3 145.0 Black fine grained graphitic argillite, siliceous, numerous thin quartz stringers, carbonate in fractures, few specks chalcopryite at 142.2', lost core 125.3-125.9', 135.0-135.7', core angles 42° at 136.5', 40° at 141.5'.

END OF HOLE 145.0'

Los Diamond Drill Hole U-64, Contd., - 3 -

707.0 711.0 Well bedded medium grained black graphitic argillite,
711.0 726.0 Thinly interbedded grey chert and baritic limestone,
well mineralized sphalerite and galena, slight pyrite.
core angles: at 711' 84°, at 715' 88°, at 726' 88°,
lost core 715-717'.

726.0 817.0 Well bedded medium grained grey to white baritic
limestone with interbedded chert, mineralized to
well mineralized sphalerite and galena, slight pyrite,
step fault at 765'. Core angles: at 733' 88°, 739'
52°, at 741' 38°, at 746' 46°, at 749' 48°, at 751'
61°, at 754' 35°, at 766' 54°, at 765' 45°, at 766'
42°, at 768' 54°, at 781' 64° at 784' 62°, at
795' 68°, at 799' 88°, at 803' 83°. Lost core
775-776', 781-784', 807-810', 811-816'.

817.0 828.0 Lost core, Fault zone, no pressure on head going
through this zone,

828.0 829.0 Grey argillite, well mineralized with galena and
sphalerite, slight pyrite.

829.0 833.0 Fairly massive, fine grained grey argillite.
core angle at 832' 70°.
End of Hole 833'