

Log Diamond Drill Hole.

Tom Claims, Yukon

Hole Number: U-2

Flat

N70°09'E

N79750.75

Elevation: 4754.49

Depth: 225'

E51051.12

Date Started: Aug. 19th, 1970. Finished: August 26th, 1970.

Drilled By: Cameron McCutcheon Drilling Ltd.

Logged By: I. Young.

0.0 77.7 Grey fine grained siliceous argillite, well bedded, numerous siltstone beds, some contortion of thinner beds, odd stringer white quartz, slight pyrite, carbonate in some fractures, graphite at 16.0', 49.0' and from 71.8-72.0'. Lost core 322-3.9', 4.4-5.0', 6.8-7.6', 10.7-12.7', 14.4-15.0' 18.4-19.1', 21.0-21.7', 24.0-24.6', 25.1-25.8', 36.4-37.1', 40.0-41.4', 46.8-48.1'. Core angles 42° at 1.0', 33° at 14.0', 23° at 23.0', 29° at 31' 34° at 35.0', 28° at 45.0', 45° at 50.5', 41° at 58.5' 37° at 63.0', 41° at 69.5', 35° at 75.0'.

77.7 85.7 Black fine grained graphitic argillite, few quartz stringers, numerous fractures from 77.7-78.7', fair pyrite, odd specks galena and sphalerite, lost core 83.3-85.7'.

85.7 86.4 Black fine grained argillite, well bedded, considerable contortion, few carbonate and abundant quartz stringers, slight pyrite, slight galena, pale brown disseminated sphalerite in bedding.

86.4 87.9 Black fine grained graphitic argillite, few quartz stringers, slight pyrite, carbonate in fractures, few specks galena and sphalerite at 87.4'

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88.0 90.5 Black fine grained, well bedded argillite, considerable contortion, some carbonate, occasional quartz stringers, fair pyrite, mineralized galena and sphalerite.

90.5 91.8 Black graphitic argillite, numerous thin beds quartz, fair pyrite, carbonate in fractures.

91.8 98.8 Black fine grained well bedded siliceous argillite, some beds extremely contorted, some carbonate, occasional quartz stringers, slight to fair pyrite, fair galena, brown disseminated sphalerite in bedding, massive galena and sphalerite from 94.9-95.0' and 96.3-96.9', lost core 95.0-96.3'

98.8 140.0 Black graphitic fine grained argillite, siliceous, well bedded, occasional quartz stringers, ~~xxx~~ and carbonate ~~in~~ quartz in some fractures, fair pyrite, some oxidation, pyrite crystals leached, odd speck galena and sphalerite at 113.0' and 130.5'. lost core 109.4-110.7', 117.1-118.4', 130.6-131.3', 132.1-132.8', 133.7-134.3', 135.0-135.7'. Core angles 27° at 126.5', 34° at 131.8'

140.0 154.8 Grey fine grained siliceous argillite, well bedded, numerous thin contorted siltstone beds, few quartz stringers, slight to fair pyrite, few specks galena and sphalerite at 147.0', core angles 37° at 142.5', 31° at 147.5'.

154.8 155.5 Black fine grained graphitic argillite, numerous quartz stringers, carbonates in fractures,

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mineralized sphalerite and galena.

- 155.5 163.8 Black fine grained graphitic argillite, some carbonate, occasional quartz stringers, slight galena, pale brown disseminated sphalerite in bedding, very slight mineralization from 158.2-160.0, abundant sphalerite from 155.8-157.8', core angle 37° at 162.0'.
- 163.8 193.0 Grey fine grained siliceous argillite, well bedded, slight contortion, few thin beds siltstone, occasional quartz stringers, some carbonate in fractures, slight pyrite, mineralized sphalerite and galena in the following: 176.8-177.7', 183.3-184.7', lost core 166.7-167.3', 168.0-168.7', 171.0-171.4', 172.7-173.2, 181.2-181.9', 183.0-183.3', 184.7-185.0', 186.0-186.4' core angles: 16° at 176.4', 46° at 183.0'.
- 193.0 194.1 Black graphitic argillite, fine grained, slight galena, odd thin beds pale brown disseminated sphalerite
- 194.1 198.6 Grey fine grained siliceous argillite, several quartz stringers with euhedral quartz crystals, chalcopyrite in quartz at 197.5', fair pyrite and galena, fair fine grained sphalerite, massive galena and sphalerite in pyrite from 194.1-194.9', lost core ~~197.0-197.5'~~ core angle at 198.5' 31°.
- 198.6- 200.0 Black fine grained graphitic argillite, very slight pyrite, occ fracture filled with carbonate.

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- 200.0 225.0 Grey, fine grained well bedded siliceous argillite, abundant siltstone in beds 1/10" to 2" wide, considerable contortion in siltstone, Siltstone extremely abundant from 220.7-225.0', occasional quartz stringers, slight pyrite, some carbonate in fractures, lost core 211.1-211.8, 213.0-213.7', core angles 25° at 205', 29° at 209', 28° at 220', 21° at 224'.
- END OF HOLE 225.0'