

Tom Claims, Yukon.

Hole Number U-39 Dip - 60° - N 64° E

N. 77434.26

E. 50864.85 Elev. 4755.17 Depth: 253'

Date Started: Dec. 1, 1970. Finished: Dec. 3, 1970.

Drilled By: Cameron McCutcheon Drilling Ltd.

Logged By: I. Young

0.0 - 133.0 Black graphitic argillite, well bedded, odd stringer of white quartz, slight very fine grained pyrite, very slight galena and sphalerite occurs in bedding from 130.6' to 133.0'.

Lost Core: 5.7'-6.4', 7.0-8.4', 8.9'-9.6', 10.8'-11.5', 12.6'-14.5', 15.0'-15.7', 24.3'-25.0', 36.6'-37.3', 38.1'-38.8', 45.0'-46.4', 50.0'-52.0', 79.0'-81.4', 93.5'-94.2', 96.2'-97.5', 107.0'-107.7', 110.0'-112.2', 113.3'-117.1', 121.5'-130.6'

Core Angles: 52° at 12', 52° at 19', 53° at 29', 59° at 39', 58° at 53', 56° at 58.5', 61° at 72', 58° at 82.5', 59° at 92.5', 56° at 100', 50° at 109', 50° at 117.5', 44° at 131'.

133.0-153.4 Grey to white argillaceous limestone, well bedded, limestone occurs as thin bands in argillite, white numerous quartz stringers are, slight pyrite, slight galena and slight pale brown disseminated sphalerite occurs in bedding, few thin siltstone beds, carbonates occur in fractures.

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153.4-177.8

Lost Core: 140.0'-140.7', 143.0-145.0, 148.6'-150.0'

Core Angles: 54° at 136', 50° at 146',

Grey baritic limestone, well bedded, considerable contortion, odd thin chert bed, slight to fair galena and pale brown disseminated sphalerite occurs in bedding. Core is fractured from 156.7' to 158.2'

Lost Core: 158.3'-177.0'

Core Angles: 60° at 154.5', 50° at 177.2'

177.8-182.0

Grey to white contorted argillaceous limestone, fair pyrite, mineralized slight to fair galena and slight pale brown disseminated sphalerite, graphite and carbonates occur in few fractures, odd thin stringer of white quartz.

Lost Core: 182.0'-183.4'.

182.0-183.4

Lost Core.

183.4-221.3

Grey siliceous argillite, siltstone beds are numerous, well bedded, some beds considerably contorted, slight to fair pyrite, stringers of white quartz abundant, carbonates and graphite occur in few fractures, mineralized very slight fine grained galena and brown-red disseminated sphalerite. Massive galena from 216.0' to 216.3', odd speck of chalcopryrite in argillite, graphite from 220.5 to 221.3

Lost Core: 185.8'-188.4', 204.0-205.0, 206.4-208.4,
218.0'-220.0'

Core Angles: 27° at 186', 43° at 192', 57° at 202.6',
63° at 215'

221.3-231.2 Conglomerate, medium grained sub angular fragments
chert, quartz and argillite, occ. thin white quartz,
few specks of fine grained pyrite.

231.2-253.0 Grey siliceous argillite, well bedded, contorted,
thin siltstone beds, very slight pyrite few thin
stringers of white quartz.

Lost Core: 234.4'-237.0', 250.0'-250.6',

Core Angles: 55° at 233', 58° at 242.5', 22° at
252.0'

End of Hole.

Tom Claims, Yukon.

Hole Number U-40 Dip -90°

N. 77428.75 Depth 325'

E. 50857.75 Elev. 4755.17

Date started: Dec. 4, 1970. Finished: Dec. 9, 1970.

Drilled By: Cameron McCutcheon Drilling Ltd.

Logged By: I. Young.

0.0-200.4 Black graphitic argillite, well bedded, few thin silt-
stone beds, slight pyrite occurs in siltstone, carbonates
fill fractures, occasional stringers of white quartz, core
is broken from 0.0 to 100.0'

Lost Core: 1.1'-5.0', 58.2'-58.9', 70.4'-72.4', 188.7'-
192.7', 195.7'-197.0'.

Core Angles: 18° at 10', 25° at 19', 24° at 29', 30° at
39', 27° at 48', 26° at 59', 25° at 74', 30° at 80.5',
31° at 89', 42° at 102', 40° at 116', 38° at 125', 38°
at 134', 41° at 149', 42° at 159', 42° at 167.5', 38°
at 174', 39° at 182', 44° at 193', 55° at 198.5'

200.4-232.9 Grey argillaceous limestone, well bedded, limestone
occurs as thin white bands in argillite, slight contor-
tion, carbonates occur in fractures, very slight pyrite,
mineralized slight galena and red-brown disseminated
sphalerite in bedding, few white quartz stringers.