

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: CANYON 3 YA 75719

Location: 105 K 2

Mining Division Whitehorse

Hole Nº. CAN - 1

Angle: -50°

Direction: North (Grid)

Depth: 103.6

Grid Nº. CAN - 1

Co-Ordinates: 13+50N/28+11W

Date Started: June 2, 1984

Finished: June 5, 1984

Logged By: R. Stroshein

Drilled By: E. Caron Diamond Drilling

| DEPTH Meters | | DESCRIPTION OF CORE | Page 1 of 3 |
|--------------|------|---|-------------|
| From | To | | |
| 0.0 | 1.5 | Overburden and weathered bedrock | |
| 1.5 | 2.7 | Dark green fine grained mafic volcanic fragments. Poor core recovery. | |
| 2.7 | 14.7 | Buff to grey rhyolite breccia and porphyry. Generally fractured and clay altered. Seams of clay @ 2.7m, 3.6m and 14.2 m. Surface oxidation obvious to 14 m depth. Manganese staining present 2.8-4.9m. 6.7-7.7 m intensely fractured and clay zone. Core recoveries < 20% Areas adjacent recoveries of 90% Wispy quartz @ 13.3 m chalcedony in clay zone @ 14.5 m. | |
| 14.7 | 17.2 | Grey rhyolite tuff. Partially welded. Weak banding visible. Angular clasts (shards) of .2 cm @ 15.9 m. Banding angle @ 30° . Chalcedony veinlet @ 15.8 with occasional wispy laminae. | |
| 17.2 | 50.9 | Grey to black non-welded crystal lithic tuff. Pervasive clay alteration (bleached). Clasts of rhyolite porphyry up to 15 cm. Carbon clasts @ 42 m. iron carbonate along fine fractures @ 26.4 m. clay partings seams and zones @ 19.7 - 20.7 m with chalcedony 18.6 m core angle 30° 21.5-21.8 with frag. chalcedony 22.3 m core angle 35° 30.6 m 30.8 m 32.0 m 38.0 m core angle 78° 39.7 m core angle 55° 42.0 m core angle 75° 42.8 m core angle 60° 43.1 - 47.0 m. 40% core recovery incl. 43.9 - 45.1 m. 10% core recovery 47.8 - 49.4 m. 20% core recovery Chalcedony veinlets @ 33.3 m. intense bleached zone 41.2 - 42.8 m | |

| DEPTH | | DESCRIPTION OF CORE | Page2 of 3 |
|-------|------|--|------------|
| From | To | | |
| 50.9 | 52.3 | Pale olive green clay zone. Rhyolite clasts. 35% core recovery. | |
| 52.3 | 76.3 | Light grey to white rhyolite breccia Carbonaceous pyritic partings @ 57.3 m. core angle 30° @ 61.5 - 62.5 m clay seams @ 59.3 - 59.7 m. @ 60.5 m core angle 58° @ 64.0 m core angle 60° intense clay alteration 60.0 - 63.0 m. green disseminated oxide @ 61.5 m 63.0 m. 65.2 m. rhyolite porphyry @ 65.1 - 65.3 m @ 72.2 - 73.1 m clay matrix breccia @ 65.35 - 67.4 m @ 68.0 m @ 71.0 - 71.5 m bleached white 73.8 - 76.3 m. calcareous chalcedony veining - core angle on bands 20° @ 72.5 m with calcite 40° @ 72.7 m 30° @ 74.9 m - fine grained broke sub-parallel @ 73.8 m - fine banded vein @ 74.9 - 75.15 m - brecciated chalcedony and quartz 75.15 - 76.3 m. and calcite | |
| 76.3 | 82.9 | Grey non-welded crystal lithic tuff. Shear gouge contact 76.3 - 76.5 m. gouge @ 77 m. Clay gouge @ 81.3 - 81.5 m with green oxide Core angle 65° @ 78 m. Chalcedony @ 76.8 m. 81.5 - 82.9 m - disseminated pyrite, green oxide with chalcedony stringers and pyrite with carbon along shears | |
| 82.9 | 93.0 | Extremely poor core recovery - this section in one three compartment core box. 82.9 - 84.4 - 75% core recovery - fractured rhyolite with clay matrix clay shear zone 84.1 - 84.3 m 84.4 - 86.0 - 5% core recovery rhyolite breccia fragments chalcedony fragments 86.0 - 87.5 - 35% core recovery rhyolite breccia fragments - clay matrix occasional clots of pyrite. 87.5 - 88.1 - 10% core recovery rhyolite breccia fragments 88.1 - 89.9 - no core 4 inches of rusty sand in box 89.9 - 92.1 - 10% core recovery rhyolite breccia with siliceous matrix fragments occasional quartz fragments clay | |
| 93.0 | 94.8 | Rhyolite breccia with clay matrix. Graphite clay occasional. @ 94.2 pyrite in carbonaceous partings. | |
| 94.8 | 96.6 | Grey non welded crystal lithic tuff. Generally uniform clasts size (1cm) Core angle or fracture of 20° @ 94.8 m 30° @ 96.4 m | |

| DEPTH | | DESCRIPTION OF CORE | Page 3 of 3 |
|-------|-------|--|-------------|
| From | To | | |
| 96.6 | 98.2 | Rhyolite breccia with clay matrix. Light grey quartz in fragments. Pyrite cubes @ 96.9 m. | |
| 98.2 | 99.7 | 35% core recovery. Clay gouge zone with rhyolite porphyry clasts completely altered to clay. | |
| 99.7 | 100.9 | Light grey non-welded crystal lithic tuff. Tan buff alteration evident when wet. Clay gouge present. | |
| 100.9 | 101.1 | Clay gouge greenish tan colour. | |
| 101.1 | 103.5 | Light grey rhyolite and rhyolite breccia with clay gouge. | |
| | 103.6 | End of Hole. | |