

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 - 2

Angle: - 50°

Direction: North (Grid)

Depth: 96.6 m

Grid Nº. CANYON - 1

Co-Ordinates: 13 + 40N/28+ 60W

Date Started: June 5, 1984

Finished: June 6, 1984

Logged By: R. Stroshein

Drilled By: E. Caron Diamond Drilling

DEPTH Meters		DESCRIPTION OF CORE	Page 1 of 3
From	To		
		HQ size core	
0.0	3.5	Overburden sand and clay	
3.5	5.2	Grey rhyolite and rhyolite porphyry minor clay shears	
5.2	7.9	Rusty weathered clay zone 7.0 - 7.2 m intensely altered rhyolite.	
7.9	13.2	Gradation orange to green coloration at contact. Light grey green intensely clay altered rhyolite locally brecciated. Includes 2 - 3% disseminated pyrite. and 5 - 10% green oxide disseminated (possibly weathered mariposite?)	
13.2	16.5	45° core angle at contact. Dark grey non-welded crystal lithic tuff. Clay gouge zones @ 13.4 - 13.5 m 14.2 - 14.3 m 18.4 - 18.6 m with clasts Shear angle 45° @ 15.6 m.	
16.5	18.4	Buff grey rhyolite porphyry, fractured. Contains 1% disseminated pyrite.	
18.4	19.2	Dark grey non-welded crystal lithic tuff.	
19.2	29.6	Intensely fractured and faulted zone predominantly of clay gouge. Clasts of rhyolite, rhyolite porphyry and lithic tuff. Colour of clay varies from grey green, buff grey to black. 20.8 - 21.9 fragments of chalcedony and rhyolite porphyry 24.6 chalcedony fragments 26.0 - 27.0 competent black rhyolite breccia.	
29.6	34.3	Tan grey fragmental acid tuff in part welded, brecciated and fractured. Chalcedony stringers @ 30.6 - 31.9 m with core angle of 78° Welded banding @ 33.0 m. Shear angle 65° @ 33.1 m. Green oxide disseminated 30.6 - 31.0 m. Clay gouge @ 32.9 m and 33.5 m. Chalcedony stringer @ 34.0 m.	
34.3	35.5	Dark grey clay gouge zone with fine clasts of rhyolite and rhyolite porphyry.	

DEPTH		DESCRIPTION OF CORE	Page 2 of 3
From	To		
35.5	37.9	Light grey to white rhyolite. Clay alteration. Clay breccia @ 36.0 m. Chalcedony banding 36.6 - 37.0 m. core angle 20° Chalcedony band @ 37.2 m.	
37.9	40.9	Intensely sheared fracture zone, predominantly clay gouge. Fragments predominantly rhyolite. 40.5 - 40.9 rhyolite breccia with clay shears.	
40.9	45.3	Rhyolite breccia with wispy matrix of dark clay and sulphides (pyrite) occasionally massive pyrite. Matrix very fine grained clay gouge zone @ 41.4 - 41.7 m. Quartz-chalcedony fragments with rhyolite @ 43.9 m. Core angle 25° @ 44.9 m. on fracture.	
45.3	53.7	White coarse rhyolite breccia with mainly rhyolite matrix. Occasional wispy sulphide-clay matrix. core angle 40° @ 46.5 m. on shear 55° @ 50.3 m. on shear clay shear zone erratic, occasional sub-parallel core, green clay with rhyolite clasts Fine cavities 47.2 - 48.0 m Clay matrix @ 47.4 m @ 50.0 m. Sulphide matrix @ 48.0 m @ 49.4 m @ 49.7 m @ 50.9 m @ 51.3 m	
53.7	57.0	Clay shear zone with clast of rhyolite porphyry completely clay altered with clasts of lithic tuff begin @ 54.5 m.	
57.0	59.0	White rhyolite porphyry breccia. Fine quartz matrix minor dark (sulphides?) Core angle 35° @ 58.5 m on shear	
59.0	61.1	Clay gouge zone clasts of rhyolite porphyry and lithic tuff. Rhyolite clast intensely clay altered.	
61.1	67.7	Dark grey non-welded crystal lithic tuff. Clasts up to .2 m in core length. Core angles on fractures 55° @ 61.7 m 65° @ 62.1 m with graphite partings 60° @ 63.2 m 72° @ 63.5 m 50° @ 64.5 m 61.1 - 65.1 m. salt and pepper textured fine clasts in lithic tuff 3-5 % disseminated muscovite grains 2-3% disseminated pyrite. Core very competent. Clay bands along partings in core 45° core angle @ 65.3 m. 65.1 - 67.7m clay gouge zone with large clasts. Rhyolite porphyry clasts clay altered with carbonaceous clasts.	
67.7	68.3	Rhyolite quartz banded chalcedony breccia very light grey colour bleached and altered. Core angle 60° @ 68.2 m.	
68.3	70.5	Clay matrix rhyolite breccia. 70.3 - 70.5 - banded chalcedony-rhyolite breccia.	

DEPTH		DESCRIPTION OF CORE	Page 3 of 3
From	To		
70.5	71.7	Light grey fractured rhyolite breccia. Some wispy sulphide matrix. wispy chalcedony @ 71.1 m. with core angle 70° on band lower contact core angle 40°.	
71.7	80.0	Grey non-welded crystal lithic tuff. Shears with graphitic clay partings core angles 35° @ 72.6 m. 85° @ 72.8 m. 72.8 - 74.4 Salt and pepper textured tuff. Fine clasts of white quartz. Core Angle 45° @ 73 m. Minor disseminated muscovite and pyrite grains. after 74.4 clasts become variable including fine grained black clastics and rhyolite. Rhyolite clasts commonly altered to clay. Sizes of clasts up to 5 cm. Graphite clay on fractures @ 30° @ 76 m. Black fine grained matrix dominant over dark grey clasts from 79.5 - 80.0 meters.	
80.0	88.1	Dark grey dense fragmental rhyolite breccia. Fragment size variable with dark fine grained matrix including pyrite from 81.6 - 82.7 m. Core angles: 47° @ 81.0 m with graphitic clay on parting 50° @ 82.0 m. 50° @ 85.0 m. 85.0 - 85.7 m - 90% core recovery. Highly fractured core - ground to sand size. Limonite grains. lower contact core angle 45° @ 88.1 m.	
88.1	96.3	Grey non-welded crystal lithic tuff. Highly variable clast size up to 20 cm. Rhyolite porphyry clast clay altered @ 93.2 m. Core angle 23° @ 90.8 m. which separates section of large clasts from fine grained matrix dominated section. Clasts included dense breccia. A breccia clast @ 90.5 m. has muscovite grains with quartz clasts in white quartz matrix. 93.0 - 95.3 salt and pepper textured clastic tuff large co-ponent (40-50%) quartz clasts. Clast sizes vary from fine sand size to 1 cm. core angles: 80° @ 94 m. with clay along fracture 50° @ 91.8 m. along clast contacts 50° @ 92.9 m. along clast contact 45° @ 96.2 m. along clast contact	
	96.3	END OF HOLE	