FORM Nº. 630

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED

DIAMOND DRILL LOG

Claim: BONZO FRACTION (72699) Location: GRAFTER

Mining Division WHITEHORSE

Hole Nº. GR - 24 Angle: -50° Direction: EAST

Depth: 380' Grid Nº. B. C. Co-Ordinates: 2+00S 9+00W

Date Started: June 17/87 Finished: June 20/87 Logged By: R. Stroshein

Drilled By: E. Caron Diamond Drilling

DEPTH		DESCRIPTION OF CORE
From	To	
0.0	20.0	Overburden; sand gravel and boulders.
20.0	42.0	Dark grey very fine grained skarnified quartzite (greywacke) Core angles - 60° @ 20.5' light green diopside skarn bands (narrow < 1" 60° @ 39' Badly broken core, poor recoveries 28'-42' @ 30%
42.0	65.5	Dark with light texture fine to medium grained quartz hornblende. (diorite) ocassional coarse grained bands. fine to narrow skarnified bands ca.65° @ 48' Trace very fine disseminated pyrite Good core recoveries Greywacke 63-64'
65.5	82.0	Coarse grained quartz hornblende diorite. 69.0 - 73.5' dark gre y matrix fledspar hornblende porphyry. 75.0 - 79.5 medium grained diorite core angles: 60° @ 73' on tine diopside band 45° @ 76' on coarse diorite band 65° @ 79.5' on coarse-fine contact
82.0	93.0	Light grey green (hornsfels) greywacke Broken core with stringers of quartz and diorite, irregular quartz stringers. Core angles: 60° @ 92' 30° @ 93'
93.0	111.5	Fine to medium grained dark green to dark grey hornblende diorite. Very fine disseminated pyrite occasional irregular quartz diorite (coarse grained) bands.
111.5	168.0	Light to medium grey quartzite to dolostone skarnified. Sequence becomes lighter and dolomitic with depth. Fine grained. Abundant pyrite disseminated and has fine grained bands along partings. Irregular quartz stringer Core angles: 30° @ 118' 35° @ 130' narrow diopside skarn bands

DEPTH From	DEPTH To	DESCRIPTION OF CORE
		20° @ 140' on quartz stringer 50° @ 142' on skarn band 40° @ 146 on quartz stringer 50° @ 150' on skarn diopside pyrite band 20° @ 150.5' on skarn diopside pyrite band 25° @ 156.0' on narrow diopside skarn band
168.0	181.0	Diopside garnet skarn. Light apple green Skarn contact irregular but roughly @ 20° Dark green coarse grained epidote replacing fine diopside 175.0 - 175.8' - massive black magnetite band. Minor pyrite core angle 55° lower contact upper contact irregular roughly perpendicular 180.5 - 181.0' - massive magnetite garnet skarn minor pyrite very irregular contact
181.0	194.0	Light grey to white finely crystalline limestone.
194.0	203.5	Skarn. Patchy skarn mineralization in weakly skarnified limestone. 194.0 - 194.5 - Massive calcite garnet magnetite epidote skarn Core angle 60° @ 195' on calcite contact 200.0 - 200.5 - Patchy magnetite surrounded by garnet both in calcite 203.3 - 203.5 - Massive magnetite band irregular contact approx. 65° with calcite and epidote
203.5	254.5	Light grey crystalline limestone Garnet diopside skarn 225'-230' traces epidote, chalcopyrite Partings and transition trend sub parallel to core Core angles: 60° @ 206' on fracture parting 50° @ 210' on fracture parting 50° @ 223' on fracture parting 45° @ 239' on skarn banding 45° @ 245' on skarn banding Weakly skarnified 230 - 254.5 Irregular patches of pyrrohtite @ 252' Light reddish bronw quartzite bands @ 245.5-246'
254.5	268.0	Light reddish grey brown fine grained quartzite (siltstone) very competent. Pyritic. Core angles: 50° @ 265' on faint compositional layering 35° @ 263' on hornblende diorite stringers (2") 45° @ 264' on horblende diorite stringer (1")
268.0	283.0	Light grey crystalline limestone very competent irregular contact approx @ 55° Core angle: 70°@274'on composition banding weak serpentine skarn bands near 276' Core angle: 45° @ 275' on serpentine parting mild diopside garnet skarn @ 279' 2" strong garnet serpentine skarn at contact irregular near 80°
283.0	284.5	Medium coarse grained hornblende diorite.
284.5	288.5	Light coloured calcite garnet diopside skarn.
288.5	303.0	Medium coarse grained hornblende diorite. Competent Fracture parting along 10° core angle @ 293' 302.0 - 302.5 - massive dark green hornblende dyke

DEPTH		DESCRIPTION OF CORE
From	To	
303.0	319.0	Light grey to white crystalline limestone. Very competent 2" contact with diorite irregular at approx 80° with strong serpentine garnet skarn. Weakly skarnified to 307' - light green diopside occasional parting of serpentine Core angle: 70° @ 304' dark and light banding 90° @ 313' dark band (1")
319.0	341.4	Light coloured diopside garnet skarn. Contact with limestone gradational (arbitrarily set) 1'hornblende diorite 327.8 - 328.8 2" hornblende diorite 333' 2" hornblende diorite 334' Contact with hornblende diorite @ 45° (broken up core) Skarnification more intense at approaches hornblende diorite contact Skarn generally patchy and irregular mineral groupings Cublic translucent crystals in vug at 338'
341.4	366.5	Dark green medium coarse grained hornblende diorite 358 - 359 - garnet diopside skarn (endoskarn) 50° core angle at 359' on contact upper contact broken core Variable hornblende distribution of diorite creating darker green sections.
366.5	371.0	Garnet skarn. Brown spotted with some pinkish and green colour. Lower contact diffuse approximate core angle @ 57°
371.0	377.0	Medium grained hornblende diorite. Core broken up with numerous partings acute to sub-parallel to core.
377.0	380.0	Light green skarnified limestone. Weakly calcareous. Local patchy pink grains in vugs. 377.0 - 377.5' strong garnet diopside skarn. Irregular contact approximatey @ 60° core angle.
	380.0	END OF HOLE