

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

HOLE No: 77 - 121

PAGE No: 2

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH						
from	to			from	to							
		fluorite in stringer. Occasional chert bands throughout.										
		80.5 to 88' - very fine to fine grained dolostone with 1% calcite veinlets. stylolitic with some recrystallized textures. 83' - graphitic band.										
		88 to 98.9' - very fine grained limestone as above. Occasional spiky texture.										
		98.9 to 102.4' - very fine grained dolostone with no influx. Stylolitic.										
		102.4 to 149' - limestone, as above. Common argillaceous banding. Rare calcite veinlets. 110.2 - 110.4', 118.1 - 118.2', 129.5 - 129.7' - conglomerate fragments, wavy bedding. 132 - 135.5' - vague, poorly developed conglomerate as in AM										
		149 to 152.8' - dolostone, with spiky texture, stylolites. <1% calcite influx.										
		152.8 to 180.3' - limestone, with common graphitic, argillaceous intervals. 170.3 - 171'. 173 - 174.5' - very fine conglomerate. 171.3 - 176.4' - syneresis cracks. 168 - 180.3' - darker, more argillaceous.										
180.3	256	ARGILLACEOUS MARKER										
		Very argillaceous, dark grey to black limestone. Poorly to well laminated and thinly bedded.										
		180.3 to 201.5' - conglomerate unit - rare calcite veinlets.										
		201.5 to 256' - very well laminated to thinly bedded. 206 - 256' - occasional pyrite bands or blebs. Virtually no influx, except for infrequent small "birds eye"										

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH						
from	to			from	to							
		calcite at 217 - 226'. Occasional sitly intervals and rusty weathering.										
256	446.5	LOWER HOST										
		256 to 263.5' - very fine grained, medium grey limestone. Stylolitic, <1% cal- cite veinlets. 260 - 262.3', 268 - 271.5' - algal laminations. Occasional argillaceous interval, as at 266'.										
		263.5 to 432' - medium grey, medium to fine grained dolostone. 5% calcite and dolomite influx. Stylolitic, occas- ionally argillaceous, and graphitic. Minor pyrite throughout in influx. frequent intervals with large stringers, of influx, some brecciation, where fragments sometimes look peeled back from massive dolostone. These breccia are either mosaic breccias with frag- ments aligned parallel to bedding, or poorly formed fluxobreccias with distinct fragment rims. Occasional recrystalli- zation as at 298 - 300'. Minor pyro- bitumen throughout influx. Frequent intervals with spiky textures oolitic (319 - 324')										
		361.4 - 425.4' - orange to red sphal- erite possibly replacing, in whole or in part, calcite influx, and partially replacing dolostone fragments in poor rubble breccia, with occasional mosaic and crackle breccias. Pyrite precedes sphalerite mineralization, as sphal- erite appears to replace pyrite through- out. Very fine grained sphalerite										

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH						
from	to			from	to							
		replaces dolostone and is sometimes concentrated in bands, as at 395 - 396'. In some intervals, open space filling almost completely taken over by sphalerite with only minor calcite influx (may be replacement of influx by sphalerite) as at 384 - 386'.										
		361.4 - 384" - 0.5% sphalerite trace pyrite										
		384 - 386' - 56% sphalerite 6% pyrite										
		386 - 393' - 24% sphalerite 10% pyrite										
		393 - 409.3' - 6.5% sphalerite 20% pyrite										
		409.3 - 425.4' - <2% sphalerite										
		Crackle breccias at 367.7 - 368', 370.3 - 370.8', 381.6 - 382.2'. Mosaic breccia 372.4 - 373'. Rubble breccia at 368 - 368.5'. 405 - 428' - trash zone with occasional large fragments, but otherwise is composed of fine to medium grained dolostone, varying amounts of calcite and dolomite influx, and small fragments and slices of dolostone, sometimes very argillaceous. Influx occurs as crackle breccia, infrequent rubble and mosaic breccias in short intervals, large stringers frequently replaced by sphalerite as blebs and as veinlets throughout. 428 - 432' - dolostone with 2% calcite and dolomite veinlets and stringers. Common pyrobitumen, occasional stylolites.										
		432 to 437.5' - medium grey. stylolitic,										

