

RIO TINTO CANADIAN EXPLORATION LIMITED
DIAMOND DRILL RECORD

HOLE No: A-20

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH						
from	to			from	to							
		219 - 220.5 - shine yellow sphalerite in influx. Shine finely crystalline galena. Influx appears to be related to chemical replacement, influx highly charged with fine grained dolostone fragments.										
231.4	292.6	ARGILLACEOUS MARKER										
		231.4 - 258.5 - "Conglomerate Unit" 4-5% fragments. Fragments subrounded, fine grained, medium dark grey limestone, set in a dark grey, fine grained limestone matrix. Contact with below gradational.										
		258.5 - 292.6 - argillaceous limestone. Argillaceous and graphitic laminations 0-10° to c.a. rarely wavy bedded, fine grained pyrite blebs parallel to bedding common. Contact with below sharp										
292.6	406.7	LOWER HOST										
		292.6 - 367.0 - heterogeneous cyclic sedimentation; interbedded fine grained, medium dark to dark grey, in places wispy textured and argillaceous dolostone, with medium grey, medium to coarse grained, in places spiked texture and oolitic dolostone. Minor fine grained, medium grey, wispy texture stromatolite. In places beds contain diffuse black chert. Contacts between beds sharp to gradational,										

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FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH	% Pb	% Zn				
from	to			from	to							
		stylolites common, beds up to 2.5' thick, average 1'. Vuggy dolomite and calcite vein influx common, rare crackle and mosaic breccia. Mineralization: trace yellow sphalerite in dolomite influx at 308'; trace yellow sphalerite in thin dolomite vein influx at 337.5'; trace yellow sphalerite in dolomite influx at 339.2-339.5'										
			24544	355.5	360.5	5'	LO.05	LO.05				
		367.0 - 406.5 - highly mineralized zone.	24545	360.5	365.5	5'	LO.05	LO.05				
			24546	365.5	370.5	5'	LO.05	LO.05				
		367.0 - 375.5 - cyclic sedimentation similar to 292.6-367.0'; zone contains trace yellow finely crystalline sphalerite in dolostone and 0.1-0.2% finely crystalline orange red sphalerite in very thin LO.01' thick dolomite veins and crackle breccia.	24547	370.5	375.5	5'	0.05	0.50				
			24548	375.5	380.5	5'	0.60	27.00				
			24549	380.5	385.5	5'	0.05	0.58				
			24550	385.5	390.5	5'	0.05	1.45				
			201426	390.5	395.5	5'	0.36	16.00				
			201427	395.5	400.5	5'	LO.05	2.00				
			201428	400.5	405.5	5'	0.90	4.20				
			201429	405.5	410.5	5'	0.12	0.65				
			201430	410.5	415.5	5'	LO.05	1.30				
		375.5 - 386.5 - breccia I zone. Breccia contains 15% dark grey to black, fine grained, lensoidal shaped, distorted dolostone or argillaceous dolostone fragments. Fragments up to 0.15' by 0.015' in size, average 0.03' by 0.01'. Matrix medium grey, medium in places fine grained, over zone breccia contains 0.15% sphalerite. Within this breccia I zone there are two intervals, 375.7-376.7'	201431	415.5	420.5	5'	0.05	1.25				
			201432	420.5	425.5	5'	LO.05	0.25				
			201433	425.5	430.5	5'	LO.05	0.19				
			201434	430.5	435.5	5'	LO.05	0.19				

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH	% Pb	% Zn				
from	to			from	to							
		contain vugs lined with gypsum crystals 0.02' by 0.01' in size.										
		395.5 - 401.1 - breccia I zone same as 375-386.5' containing 0.15% yellow finely crystalline sphalerite in matrix of breccia. Calcite and dolomite vein influx affects 20-25% of the zone, contains shine orange-orange red crystalline sphalerite 0.6% over zone. Contact with below gradational over 0.3'.										
		401.1 - 406.7 - interbedded dark grey, fine grained dolostone and medium grained, medium grey dolostone containing 0.15% finely crystalline sphalerite. Dolomite and calcite vein influx affect 40-50% of zone, 40% of influx mineralized over zone. 2% red-orange red crystalline sphalerite and 0.5% coarsely crystalline galena. Interval 402.9-403.3' contains 90% red, orange, yellow, yellow green, coarsely crystalline sphalerite; 10% dolomite influx and dolostone fragments. Contact with below sharp.										
406.7	408.4	SHARPSTONE BRECCIA Possible sharpstone breccia zone, poorly										

