

CH Property

862185

Drill logs of 69-1,5
70-6,9

IN Area of Main Interest

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

LOCATION: 850 West + 2350 South

HOLE No 70-8

AZIMUTH: 65°

PROPERTY: CHUTANLI

DIP: -45°

LENGTH: 230' ^{50@ surface} 70.1m

ELEVATION: 3500' (approx.)

CLAIM No: C-5 806205

STARTED: January 27, 1970

CORE SIZE: AQ

DATE LOGGED: Feb. 1, 1970

SECTION:

COMPLETED: January 31, 1970

DIP TESTS:

LOGGED BY: G. Boggaram

PURPOSE: To test I.P. Anomaly

FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH						
from	to			from	to							
0	30 ^{6m}	Overburden										
30	75	Andesite? light to dark grey colour, fine grained, broken throughout, altered?										
		30=31.5 0.1' core lost										
		31.5-33 0.2' core lost										
		33-33.5 0.1' core lost, occ. pyrite, calcite in fractures										
		33.5-34.5 0.2' core lost										
		34.5-36 0.1' core lost, broken fractures with occ. calcite										
		36-42 5.1' core lost, banding seen? fracture @30°										
		42-44 1.0' core lost, badly broken										
		44-46.5 1.5' core lost, high alteration. At 45' brecciated?										
		46.5-49 2.0' core lost, badly broken										
		49-50 0.7' core lost										
		50-52 1.5' core lost, high alteration										
		52-54 1.6' core lost										
		54-56 0.7' core lost, more silicious. At 55, 1/8" quartz vein										
		occ. specks of pyrite as disseminated										
		56-57 0.9' core lost										
		57-60 3.0' core lost										
		60-62 1.8' core lost										

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH						
from	to			from	to							
		62-63 0.2' core lost, high alteration, broken										
		63-63.5 0.2' core lost										
		63-64.5 0.5' core lost										
		64.5-67 2.0' core lost, broken fractures with calcite										
		67-69 1.1' core lost										
		69-71 0.6' core lost, heavy alteration, dark grey, soft broken, irregularly										
		71-73 No core lost, altered, very fine grained, soft, broken										
		73-75 2.0' core lost										
75	82	Graphitic mud? black colour										
		75-77 0.5' core lost										
		77-79 1.5' core lost										
		79-82 1.0' core lost. At 82, hair'like fracture with pyrite										
82	129.5	Andesite? highly altered or bleached appearance?										
		82-88 5.0' core lost. From 84-88 Brecciated?										
		88-94 No core lost. Brecciated?										
		94-97 No core lost, Brecciated?										
		97-98.5 0.3' core lost, coarse grained, fractures @ 30°, 45°										
		98.5-100 No core lost. From 99-100 brecciated?										
		100-103 No core lost. At 102' brecciated?										
		103-106 No core lost. Altered, kaolinized, at 105, slickensided?										
		106-109 No core lost. At 106, altered, pink colour? occ. pyrite										
		From 107-109 - brecciated?										

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH						
from	to			from	to							
		109-115 No core lost, high alteration, kaolinized, fractures @ 30°, 45°										
		115-117 No core lost, at 116 badly broken										
		117-118 No core lost										
		118-122.5 No core lost, high alteration, kaolinized?										
		122.5-125 No core lost, at 123.5, 1/8" quartz veins, fractures @ 45°, kaolinized? broken badly										
		125-127 No core lost. Bracciated?										
		127-128 0.6' core lost, broken										
		128-129.5 0.4' core lost										
129.5	154	Rhyolite? very light colour, more silicious										
		129.5-134 No core lost, fractures @ 30°, 45°. At 133', 1/8" quartz vein Little alteration										
		134-136.5 0.6' core lost										
		136.5-137.5 0.3' core lost										
		137.5-141 2.5' core lost, badly broken										
		141-144.5 1.0' core lost, fracture @ 30°, 45°										
		144.5-146 0.1' core lost										
		146-148 0.5' core lost										
		148-150 0.5' core lost										
		150-151.5 0.3' core lost										
		151.5-154 2.0' core lost, badly broken										
154	230	Andesite?										
		154-155 0.5' core lost										
		155-157.5 1.2' core lost. At										
		156' few hair-like fractures with quartz veins										
		157.5-160 0.5' core lost.										

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH							
from	to			from	to								
		Brecciated? occ. specks of pyrite and specks of pink coloured calcite?											
		160-162 1.0' core lost											
		162-164 0.8' core lost											
		164-170 No core lost, very fine blebs of pyrite disseminated fractures @45°											
		170-173 0.3' core lost, broken											
		173-176 1.0' core lost, broken											
		175-176 0.3' core lost											
		176-180.5 No core lost, altered											
		180.5-182.5 0.9' core lost, badly broken											
		182-5-184 0.8' core lost badly cemented at 184'											
		broken, high alteration (sand seam)											
		184-188 0.3' core lost, badly broken											
		188-189 No core lost, badly broken											
		189-198 8.1' core lost, Mud?											
		198-204 3.5' core lost, Mud?											
		brecciated? broken badly											
		204-208 3.5' core lost, occ. specks of pyrite											
		208-210 1.5' core lost											
		210-212 2.0' core lost											
		212-217 3.0' core lost. At 213 slickensided, at 216 Brecciated?											
		217-218 0.3' core lost											
		218-223 0.6' core lost. Broken, altered, fractures @ 30°, 45°											
		223-228 2.5' core lost, broken altered											
		228-230 1.0' core lost, broken											

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FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH	% Cu					
from	to			from	to							
		END OF HOLE 230	C22167	30	40	10'	0.05					
		SLUDGES	C22168	40	50	10'	0.07					
		DRILLED BY CANADIAN LONGYEAR LTD.,	C22169	50	60	10'	0.03					
		VANCOUVER, B.C.	C22170	73	78	5'	0.02					
			C22171	80	85	5'	0.02					
			C22172	90	100	10'	Tr.					
			C22173	100	110	10'	Tr.					
			C22174	110	120	10'	0.02					
			C22175	120	130	10'	0.02					
			C22176	130	140	10'	0.02					
			C22177	140	150	10'	0.02					
			C22178	150	160	10'	Tr.					
			C22179	160	170	10'	0.02					
			C22180	170	180	10'	0.02					
			C22181	180	190	10'	0.02					
			C22182	190	200	10'	0.02					
			C22183	200	210	10'	0.02					
			C22184	210	220	10'	0.02					
			C22185	220	230	10'	0.02					

RIO TINTO CANADIAN EXPLORATION LIMITED
DIAMOND DRILL RECORD

LOCATION: 900 West & 2500 South
AZIMUTH: 65°

HOLE No. 70-7

PROPERTY: Chutanli

DIP: -45° LENGTH: 163.5 ^{35.21 @ surface} 49.8m ELEVATION: approx. 3500' CLAIM No: C-5 806205

STARTED: January 22, 1970 CORE SIZE: AQ DATE LOGGED: Jan. 29, 1970 SECTION:

COMPLETED: January 25, 1970 DIP TESTS: LOGGED BY: G. Boggaram

PURPOSE: To test IP anomaly

FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH	% Cu	Mo	Ag			
from	to			from	to							
0	28 ^{bm}	Overburden	C22157	28'	40'	12'	0.02					
28	149	Andesite? Lt. grey to dark grey, medium to fine grained	C22158	40'	55'	15'	0.02					
		28-31 1.3' core lost, badly broken	C22159	55'	70'	15'	0.02					
		At 30' < 1% pyrite	C22160	70'	85'	15'	0.03					
		31-33.5 1.5' core lost, little altered. Silicious, scattered pyrite in broken fractures	C22161	85'	95'	10'	0.02					
		33.5 - 35.5 0.1' core lost. Dark grey, pyrite in hair-like fractures	C22162	95'	110'	15'	0.02					
		35.5-37 No core lost. Fractures @ 45°, 60°, often fractures with calcite	C22163	110'	125'	15'	0.02					
		37-40 1.5' core lost	C22164	125'	135'	10'	0.02					
		40-46 1.0' core lost. More silicious, fractures @ 45°. At 45 < 1% pyrite in hair-like fractures.	C22165	135'	150'	15'	0.02					
		46-47 0.3' core lost. Pyrite in hair-like fracture	C22166	150'	163½'	13½'	0.02					
		47-52 2.5' core lost, slightly altered. From 50-52 badly broken										
		52-57 3.4' core lost. Broken. At 54 few hair-like fractures with pyrite.										
		57-58 0.2' core lost. 1/16" white quartz vein										
		58-61.5 2.0' core lost. Rock altered. Some banding? At 60' 1/8" quartz vein, fractures @ 30°, 60°.										

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FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH	% Cu	MO	Ag			
from	to			from	to							
		fractures with calcite										
		61.5-62.5 0.3' core lost. Very badly broken										
		62.5-63.5 0.4' core lost										
		63.5-65 No core lost, altered, light grey green, fractures @ 30°, 45°, 60°										
		65-71 1.0' core lost. Altered, soft, light grey, broken, often banded?										
		71-71.5 0.1' core lost										
		71.5 - 72 0.2' core lost										
		72-72.5 0.2' core lost										
		72.5-73.5 0.2' core lost										
		73.5-74.5 0.2' core lost										
		74.5-76.5 0.6' core lost										
		76.5-80 1.0' core lost. Heavily altered, greenish grey. At 79' fine hair'like fractures with pyrite and moly?										
		80-83 No core lost. Fractures @ 30°, 45°, 60°, with occ. pyrite as disseminated										
		83-85.5 No core lost, broken										
		85.5-88 0.5' core lost. At 86.5 grey-green mud seam?										
		88-94 No core lost. At 88 10% massive pyrite and minor specks of chalco?										
		At 89,90,91, 3-5% massive pyrite, occ. chalco and sphalerite? often calcite veins traversed irregularly. At 92-93 rock very soft, like clay or mud like? fractures @ 30°, 45°.										
		94-99 No core lost. At 93, 94 few hair-like fractures with < 1% pyrite and occ. magnetite? Vuggy, at 95 2% pyrite, fracture @ 30°, 45°, 60°.										
		99-103 0.8' core lost. At 100'										

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH	% Cu	Mo	Ag			
from	to			from	to							
		fracture with pyrite										
		103-105 No core lost										
		105-107 0.2' core lost. Altered, some banding? broken										
		107-108.5 No core lost. Irregular fractures with calcite										
		108.5-113 No core lost										
		113-119 0.5' core lost. Heavy alteration, light grey, soft broken, often fractures with calcite stringers										
		119-120 0.1' core lost										
		120-121 0.2' core lost. Breccia? or mud										
		121-126 1.5' core lost, altered, badly broken										
		126-130 No core lost, broken. At 129 < 1% pyrite										
		130-140 2.0' core lost. At 131 disseminated pyrite. At 132' grey mud? From 132-134, fractures with 2% pyrite, occ. chalco and moly? broken fractures with calcite, fractures @ 30°, 45°										
		140-142 0.2' core lost. At 141 high alteration, broken										
		142-148 1.5' core lost, occ. pyrite At 147' badly broken										
		148-149 0.5' core lost										
149	163.5	149-150 0.5' core lost, grey mud-like?										
		150-154 1.8' core lost. At 150' grey mud? At 152 rock broken badly altered										
		154-157 2.0' core lost. Badly broken.										
		157-157.5 0.3' core lost. black										

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH	% Cu	Ag				
from	to			from	to							
		material?										
		157.5-163.5 2.5' core lost. Black mud and sand										
		END OF HOLE 163.5										
		DRILLED BY CANADIAN LONGYEAR LTD. VANCOUVER, B.C.										
		SLUDGES										
			C22741	30'	40'	10'	0.02	tr.				
			C22742	40'	50'	10'	0.03	tr.				
			C22743	50'	60'	10'	0.02	0.19				
			C22744	60'	70'	10'	0.13	0.53				
			C22745	70'	80'	10'	0.04	0.27				
			C22746	80'	90'	10'	0.05	0.13				
			C22747	100'	110'	10'	0.04	0.11				
			C22748	110'	120'	10'	0.02	0.20				
			C22749	130'	140'	10'	0.02	tr.				
			C22750	140'	150'	10'	0.02	tr.				
			C22751	150'	160'	10'	0.02	0.19				

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

LOCATION: 3290S 13+00W

HOLE No 70-6

AZIMUTH: 65°

PROPERTY: Chutanli

DIP: -45° LENGTH: 498' ^{107.30 surface} 151.8m ELEVATION: 3500' (approx.) CLAIM No: C-3 Tag 806202

STARTED: Dec. 14, 1969 CORE SIZE: AQ DATE LOGGED: Jan. 26, 1970 SECTION:

COMPLETED: January 21, 1970 DIP TESTS: LOGGED BY: G. Boggaram

PURPOSE: To test I.P. anomaly

FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH	% Cu					
from	to			from	to							
0	75 ^{6m}	Overburden										
75	94	Feldspar porphyry, light grey colour, occasionally feldspars are kaolinized. 10% mafics.										
		75 - 78 0.6' core lost. At 76 occasional specks of chalcopyrite and 1% pyrite in fractures, fracture @ 30°	C22130	75'	96'	21'	0.03					
		78 - 84 0.5' lost core. 1% pyrite in fractures. Fracture @ 45°. At 83 feldspars altered or kaolinized.										
		84 - 86 No lost core. Fracture @ 30° filled with calcite										
		86 - 88 No core lost. Fracture @ 60°, occ. pyrite in hair-like fractures.										
		88 - 90 No core lost. Rock badly broken.										
		90 - 94 0.8' core lost. 2% Pyrite. fracture @ 45°.										
94	106	Andesite ? altered										
		94 - 102 7.0' core lost Badly broken	C22131	96'	116'	20'	0.02					
		102 - 106 3.1' core lost, badly broken										
106	167.5	Feldspar porphyry	C22132	116'	136'	20'	0.02					
		106 - 108 0.5' core lost. At 106 rock broken, altered, occ. specks of pyrite	C22133	136'	156'	20'	0.02					
		108 - 110 No core lost. Fracture @ 30° with occ. pyrite.	C22134	156'	166'	10'	0.02					

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH						
from	to			from	to							
		110-115 1.5' core lost. At 114, feldspars are kaolinized or heavily altered, fracture @ 30°, 1% pyrite in fracture										
		115-118 1.0' core lost, badly broken										
		118-122 2.0' core lost, badly broken										
		122-128 4.2' core lost, badly broken. At 123 altered or kaolinized. At 127, fracture @ 30°, with 2% pyrite										
		128-134 5.1' core lost, badly broken, occ. blebs of pyrite										
		134-136 0.2' core lost, feldspars are heavily altered or kaolinized. Fracture @ 45°, occ. blebs of pyrite										
		136-139 0.5' core lost. At 136.5 fracture @ 45° with slickensided? with minor chalcopyrite and pyrite										
		139-143 4.2' core lost, badly broken. Occ. pyrite in hair-like fractures										
		143-147 2.1' core lost. Rock heavily altered or kaolinized broken.										
		147-149, No core lost. At 147, 148.5 heavy alteration broken, occ. specks of pyrite										
		149-150 No core lost, altered, occ pyrite										
		150-153 0.7' core lost, 2% pyrite as disseminated										
		153-155 No core lost. At 153, 1% pyrite, occ. specks of chalcopyrite and sphalerite? At 154 rock highly altered or kaolinized										
		155-156 0.5' core lost, altered.										

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH	% Cu					
from	to			from	to							
		156-157 No core lost, badly broken	C22135	166'	175'	9'	0.12					
		altered	C22136	175'	189'	14'	0.02					
		157-161 0.2' core lost. At 160'	C22137	189'	199'	10'	0.02					
		the rock badly broken	C22138	199'	214'	15'	0.02					
		161-163.5 0.3' core lost, altered.	C22139	214'	230'	16'	0.02					
		At 163 badly broken	C22140	230'	245'	15'	0.03					
		163.5-166 0.5' core lost. At 165.5	C22141	245'	265'	20'	0.02					
		2% Pyrite	C22142	265'	285'	20'	0.05					
		166-167.5 No core lost. Fractured	C22143	285'	300'	15'	0.02					
		@30°, 2% Pyrite	C22144	300'	320'	20'	0.02					
167.5	185.5	Andesite? Light grey or buff colour	C22145	320'	335'	15'	0.02					
		167.5-174 0.8' core lost. Fracture	C22146	335'	350'	15'	0.03					
		@45° 3% Pyrite. At 171, 1% Chalcopyrite	C22147	350'	365'	15'	0.02					
		and pyrite. At 173, 1/8" quartz vein,	C22148	365'	380'	15'	0.02					
		disseminated pyrite and chalcopyrite,	C22149	380'	395'	15'	0.05					
		fracture @45°	C22150	395'	410'	15'	0.03					
		174-181 1.5' lost core. Little	C22151	410'	425'	15'	0.06					
		alteration, 5% pyrite, at 174 fractures with	C22152	425'	435'	10'	0.05					
		calcite. At 176.5 minor chalcopyrite in	C22153	435'	445'	10'	0.05					
		hair-like fracture. Fracture @ 30°, 45°.	C22154	445'	460'	15'	0.05					
		At 180 heavy alteration with minor pyrite.	C22155	460'	480'	20'	0.04					
		181-184 2.2' core lost, badly	C22156	480'	498'	18'	0.09					
		broken										
		184-185 No core lost, badly										
		broken										
		185-187.5 1.7' core lost, badly										
		broken										
187.5	194	Rhyolite? Light to dark grey colour. More										
		siliceous, fractures @30°, 45°, 60°										
		187.5 - 192 0.2' lost core, <1% pyrite										
		in hair-like fracture. At 187, 1/16"										
		quartz vein. At 191 minor chalcopyrite										
		in hair-like fracture zones.										
		192-193 No core lost. Slickensided										
		? fracture @ 45°, scattered pyrite, minor										

RIO TINTO CANADIAN EXPLORATION LIMITED

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH						
from	to			from	to							
		specks of chalcopyrite.										
		193-194 No core lost & more silicious, calcite in broken surfaces, < 1% disseminated pyrite										
194	242	Feldspar porphyry, light grey, 15% feldspars, 10% mafic minerals										
		194-196.5 0.2' core lost, 1% pyrite and occ. chalcopyrite, fracture @ 30°, 45°										
		196.5-200 No core lost, silicious, at 198 hair-like fractures with minor chalcopyrite, disseminated pyrite over 1%; At 200 rock altered or kaolinized.										
		200-205 - No core lost, high alteration or kaolinized. At 203' brecciated ? <1% pyrite disseminated fractures @ 30°, 45°, 60°										
		205-208.5 0.5' core lost. Minor pyrite in hair-like fracture										
		208-217.5 No core lost. At 212, little alteration < 1% pyrite as disseminated. Fracture @ 30°, 45°, 60°. At 217 slickensided ? minor specks of Cp										
		217.5-224 No core lost. At 219 hair-like fractures with light pink minerals, probably quartz? fractures @ 30°, 45°, 60°. With < 1% pyrite.										
		224.5-233 No core lost. The rock fractured irregularly. Fractures @ 30°, 45°, minor pyrite. At 232 little alteration or kaolinized.										
		233-237 No core lost. At 233 - brecciated ? At 235.5 - brecciated?										
		237-240 0.5' core lost, fractures @ 30°, 60°. At 239.5, 1/8" quartz vein.										
		240-242 0.3' core lost. little alter										

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH						
from	to			from	to							
242	281.5	Rhyolite? dark grey or buff colour, often banding seen, altered and broken.										
		242-245 0.5' core lost. At 244 minor specks of chalcopyrite < 1% pyrite.										
		245-246 0.5' core lost										
		246-248 2.7' core lost, badly broken										
		248-249 0.5' core lost										
		249-252 0.5' core lost, broken										
		252-255 1.5' core lost, broken										
		255-258 2.1' core lost										
		258-264 5.0' core lost, badly broken										
		264-267.5 2.5' core lost, occ. specks of Cp										
		267.5-270 2.0' core lost										
		270-273 1.3' core lost										
		273-275 1.0' core lost										
		275-276 0.1' core lost, pyrite in hair-like fractures										
		276-277 0.5' core lost										
		277-280 1.0' core lost, minor pyrite in hair-like fractures										
		280-281 0.2' core lost, 2% pyrite and minor chalcopyrite and occ. specks of sphalerite?										
		281-281.5 0.2' core lost										
281.5	285	Andesite? lt. grey to dark grey colour										
		281.5-285 No core lost. At 282, fractures with minor chalcopyrite, molybdenite & pyrite, fracture @30°, 45°, At 284 rock highly altered										
285	290	Feldspar porphyry? highly weathered or altered, minor pyrite in badly broken surfaces										

RIO TINTO CANADIAN EXPLORATION LIMITED

CHUTANLI

DIAMOND DRILL RECORD

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH						
from	to			from	to							
290	377.5	Andesite? Lt. grey, altered										
		290-295 0.2' core lost < 1% pyrite										
		in fractures, at 292 occ. specks of										
		chalcopyrite, fractures @ 45° and 60°.										
		At 294 1/8" calcite vein										
		295-298 0.5' core lost. At 296 2%										
		pyrite as massive minor chalco.										
		298-303 No core lost. At 298.5										
		fine specks of chalcopyrite hair-like										
		fractures with pyrite. At 299 rock al-										
		tered and broken irregularly. Fractured										
		@30°, 45°										
		303-304.5 0.3' core lost. At 303										
		1/8" quartz vein, rock broken badly.										
		304.5-306 0.5' core lost, badly										
		broken with minor pyrite										
		306-307.5 1.0' core lost										
		307.5-308 0.3' core lost										
		308-312 3.0' core lost. Very										
		badly broken										
		312-313 0.4' core lost, minor										
		pyrite in hair-like fractures										
		313-318 4.5' core lost										
		318-320 No core lost < 1% pyrite										
		320-324 No core lost. At 321,										
		1/4" quartz vein with minor pyrite,										
		at 322 rock altered, dark tan colour										
		324-331 No core lost, high alteration										
		very fine grained, dark grey colour, occ.										
		pyrite in fracture zone, fractures @30°,										
		45°										
		331-334 1.1' core lost. At 332										
		1/8", 1/4" quartz vein with minor specks										
		of pyrite										

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

CHUTANLI

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH						
from	to			from	to							
		334-341 0.5' core lost, high alteration, often banded. Structure common. At 334 massive pyrite about 1%. At 335 1/4" quartz vein with minor chalco sphalerite?										
		341-344 0.5' core lost, altered or chloritization? broken										
		344-347 0.4' core lost										
		347-349 0.8' core lost										
		349-351 0.2' core lost, little altered										
		351-353 0.5' core lost										
		353-356 0.4' core lost, fracture @45°										
		356-363 No lost core. Little alteration, light grey colour, fine grained with chlorite inclusions? occ. specks of Cp and pyrite in hair-like fractures @ 30°, 45°, 60°										
		363-367 No core lost. Little alteration, fracture @ 45°										
		367-372 1.0' core lost. At 371.5 minor Cp and Pyrite										
		372-377.5 2.0' core lost										
377.5	486	Feldspar porphyry, highly altered or kaolinized?										
		377.5-381 2.0' core lost										
		381-383 1.2' core lost, minor pyrite in fracture										
		383-385 1.5' core lost < 1% pyrite										
		385-388 0.5' core lost, minor pyrite in fractures										
		388-398 No core lost. At 390, few specks of biotite, hair-like fractures, with minor specks of chalco? and pyrite.										

RIO TINTO CANADIAN EXPLORATION LIMITED

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FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH						
from	to			from	to							
		At 392, 393, fine specks of chalcopyrite in fracture zones, fractures @45°,60°.										
		At 395, rusty appearance?										
		398-399.5 0.5' core lost										
		399.5-401, 0.3' core lost, little alteration.										
		401-407 No core lost. At 402' fracture filled with calcites, silicious										
		At 403; 1/16" calcite vein, < 1% Pyrite and Cp										
		407-408.5 0.1' lost core, dark grey colour, little biotite. Slightly altered, fracture filled calcite, occ.										
		pyrite fractures @ 0° or 90° to the core										
		408-411.5 1.0' core lost, approx. 5% biotite with occ. chlorite? silicious										
		minor specks of pyrite										
		411-413.5 No core lost. < 1% pyrite as disseminated										
		413.5-414 No core lost										
		414-422 0.5' core lost. At 415 hair-like fractures with chalcopyrite and pyrite and calcite, approx. 5% biotite										
		Silicious at 416, rock altered, dark grey. At 418 occ. chalcopyrite in hair-like fractures, approx. < 1%. Pyrite as disseminated? At 421 rock badly broken										
		422-427 No core lost. At 423.5 fine specks of chalcopyrite in hair-like fractures. From 424-427, rock very light grey, more silicious. At 425.5 minor specks of chalco and minor pyrite, fractures @ 30°, 45°										
		427-437 No core lost. 20% feldspars, minor biotite silicious,										

RIO TINTO CANADIAN EXPLORATION LIMITED

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH						
from	to			from	to							
		< 1% pyrite as disseminated. At 431 fractures with chalcoppyrite, molybdenite and sphalerite, fractures @30°, 45°, 60°										
		437-445 No core lost. Little altered, 2% biotite										
		At 439, fine specks of molybdenite, chalcoppyrite, sphalerite? in hair-like fracture										
		< 1% pyrite										
		At 442, fine specks of chalco in fractures										
		At 445, rock dark colour with biotite and olivine?										
		Scattered pyrite, fractures @ 30°, 45°, 60°										
		445-448 No core lost, altered.										
		At 447 silicious, vuggy,										
		448-452 3.0' core lost, broken, kaolinized										
		452 -453 No core lost, same as above										
		453-456 0.7' core lost, badly broken, bleached appearance?										
		At 452.6 about 2% pyrite										
		456-457 0.5' core lost, broken										
		457-462.5 No core lost, with minor biotite and chlorite, occ. pyrite.										
		At 458-459, 1/8" quartz vein. At 461, rock altered heavily, broken, badly fractured @ 0°, 30°, 45°, 60°,										
		462.5-465 0.2' core lost, occ. pyrite.										
		465-467 1.2' core lost										
		467-468 0.6' core lost; very badly broken.										
		468-477 8.2' core lost										

RIO TINTO CANADIAN EXPLORATION LIMITED

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH						
from	to			from	to							
		(477-480 0.5' core lost, occ. pyrite in hair-like fracture										
		(480-484.5 No core lost, altered at 481, 1/8" quartz vein, vuggy,										
		(At 483, minor pyrite in hair-like fractures										
		(At 484, disseminated pyrite < 1%										
		(484.5-486 No core lost, altered. Plenty of chlorite and biotite with hair-like fractures										
486	498	Andesite? Lt. grey to dark grey, very fine grained										
		486-494 No core lost < 1% Pyrite as disseminated fractures @30°, 45°, 60°, minor chalcopyrite										
		474-495 0.4' core lost										
		495-496.5 No core lost										
		496.5-498 No core lost. At 496.5 rock altered										
		< 1% Pyrite in fracture zone										
		END OF HOLE 498'										
		DRILLED BY CANADIAN LONGYEAR LTD., VANCOUVER, B.C.										

CHUTANLI

RIO TINTO CANADIAN EXPLORATION LIMITED
DIAMOND DRILL RECORD

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH	% Cu	Ag				
from	to			from	to							
		SLUDGES	C13497	70'	80'	10'	0.03	0.19				
			C13498	80'	90'	10'	0.03	Tr.				
			C13499	90'	100'	10'	0.03	0.13				
			C13500	100'	110'	10'	0.03	Tr.				
			C22553	110'	120'	10'	0.03	Tr.				
			C22554	120'	130'	10'	0.03	0.06				
			C22555	130'	140'	10'	0.02	Tr.				
			C22556	140'	150'	10'	0.02	Tr.				
			C22557	150'	160'	10'	0.02	0.05				
			C22558	160'	170'	10'	0.06	Tr.				
			C22559	170'	180'	10'	0.03	Tr.				
			C22560	180'	190'	10'	0.05	Tr.				
			C22561	190'	200'	10'	0.02	Tr.				
			C22562	200'	210'	10'	0.02	Tr.				
			C22563	210'	220'	10'	0.03	Tr.				
			C22564	220'	230'	10'	0.02	Tr.				
			C22565	230'	240'	10'	0.03	Tr.				
			C22566	240'	250'	10'	0.03	Tr.				
			C22567	250'	260'	10'	0.02	Tr.				
			C22568	260'	270'	10'	0.03	Tr.				
			C22569	270'	280'	10'	0.03	0.12				
			C22570	280'	290'	10'	0.09	0.12				
			C22571	290'	300'	10'	0.03	Tr.				
			C22572	300'	310'	10'	0.03	0.07				
			C22573	310'	320'	10'	0.02	Tr.				
			C22574	320'	330'	10'	0.02	Tr.				
			C22575	330'	340'	10'	0.02	Tr.				
			C22726	340'	350'	10'	0.03	Tr.				
			C22727	350'	360'	10'	0.03	Tr.				
			C22728	360'	370'	10'	0.02	0.11				
			C22729	380'	390'	10'	0.02	Tr.				
			C22730	390'	400'	10'	0.04	Tr.				
			C22731	400'	410'	10'	0.04	0.06				
			C22732	410'	420'	10'	0.04	0.12				
			C22733	420'	430'	10'	0.08	0.08				

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DIAMOND DRILL RECORD

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH	% Cu	Ag					
from	to			from	to								
		SLUDGES	C22734	430'	440'	10'	0.17	0.68					
			C22735	440'	450'	10'	0.07	0.19					
			C22736	450'	460'	10'	0.07	0.15					
			C22737	460'	470'	10'	0.26	0.08					
		#1	C22738	470'	480'	10'	0.12	0.14					
		#2	C22739	370'	380'	10'	0.17	0.13					
			C22740	490'	498'	8'	0.10	0.17					

RIO TINTO CANADIAN EXPLORATION LIMITED
DIAMOND DRILL RECORD

LOCATION: 255' southwest, along a line
at 245°, from L32 S, 1150 W
AZIMUTH: 245°

HOLE No 69-5

PROPERTY: CHUTANLI

DIP: -45° LENGTH: 498' ^{107.3m @ Surface} 151.8m ELEVATION: 3503 CLAIM No: C-3 806202

Est. Elevation Barb Lake 3500'

STARTED: December 7, 1969 CORE SIZE: AQ DATE LOGGED: Dec. 11, 1969 SECTION:

" 12, "

COMPLETED: December 12, 1969 DIP TESTS: " 14 " LOGGED BY: Robert Hewton

PURPOSE: To test high chargeability (I.P.)

FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH	% Cu	% MoS2	Oz/T Au	Oz/T Ag	% Pb	% Zn
from	to			from	to							
0	58 ^{2.5}	Casing	C22077	58	78	20	0.05		tr	tr		0.03
58	64.7	Feldspar porphyry - grey with white feldspar phenocrysts, Fract. @30°, 60°, 80°, 90°, 1-5% Py - dissem. & in fract.	C22078	78	98	20	0.05		tr	tr		0.03
			C22079	98	118	20	0.05		tr	tr		tr
			C22080	118	138	20	0.06	0.004	tr	tr	tr	0.03
64.7	66.7	Andesite porphyry? - light green with green (amphibole?) phenos, soft, fract. @20°, 30°, 60°, 5-10% Py dissem. & fract.	C22081	138	158	20	0.08		tr	0.2		0.5
			C22082	158	178	20	0.06			tr		
			C22083	178	198	20	0.07			tr		
		65.2 Cp spk.	C22084	198	218	20	0.08			tr		
66.7	76	Feldspar porphyry, fract. @30°, 1-2% Py dissem. & fract.	C22085	218	238	20	0.08			tr		
			C22086	238	258	20	0.07	0.005		tr	0.002	
		67-73 4' core lost	C22087	258	278	20	0.09			tr		
76	82	Feldspar porphyry? dark grey, fract. @30°, 45°, 90°, 1-2% Py - mainly in fract., also dissem.	C22088	278	298	20	0.07			tr		
			C22089	298	318	20	0.11			0.08		
			C22090	318	344	26	0.06			tr		
82	84	Rhyolite - hard, some softer brownish bands, light green grey, fract. @30°, 80°, 90°, some calcite in some fractures, 1% Py - mainly dissem. also fract.	C22091	344	368	24	0.10			tr		
			C22092	368	388	20	0.06			tr		
			C22093	388	413	25	0.13			0.02		
			C22094	413	438	25	0.08			tr		
84	137	Feldspar porphyry - light to dark green grey matrix fract. @ 10°, 45°, 30°, 90°, some areas have biotite, % mafics varies	C22095	438	463	25	0.08			tr		
		85 mag in fract. @ 10°, altering to hem. 2-5% Py	C22096	463	498	35	0.05			tr		
		95 Sphal.? in quartz vein with Py at 30°										
		104 mag - fract. @ 20°										
		112 Cp - one spk.										
		120-124 1' core lost										

CHUTANLI

RIO TINTO CANADIAN EXPLORATION LIMITED
DIAMOND DRILL RECORD

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FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH						
from	to			from	to							
		124.3 Cp spk.										
		130-133 2' core lost										
		133-138 1' core lost										
		134 Mo, Cp in quartz filled fract.										
		135 Cp spk. Sp. crystal, in Py mass										
		5% Py										
137	153	Andesite ?? light green grey, soft, fract. @10°, 30°, 45°, 60°, 80°										
		144 Co, Sp in quartz filled fract. @10° with Py - small spks. Cp										
		147.5 Cp spk.										
		149 slickensides										
		10% Py mainly dissem., some in fract.										
153	262.8	Feldspar porph. - dark grey, varies from light grey with few feldspar phenos to light grey with many white feldspar phenos to dark grey with few or many feldspar phenos, to dark grey with greenish feldspar and quartz phenos with some biotite and amphibole in matrix. All changes gradational. Sometimes hard, sometimes soft, sometimes kaolinized. May have quartz phenos										
		5-10% Py mainly dissem. also in fract.										
		162.5-173 1' core lost										
		170 Cp dissem. spks.										
		185 Cp spks. on fract. surface @30°										
		187.5 Cp spk.										
		187.2 Cp spk.										
		192 Cp spk.										
		197.6-198 Py vein - massive Py with some quartz at 30° to core, one blotch Cp										
		202 Cp spk.										
		204 Cp spk.										
		213.5 Cp spks. on fract. surface @30°										

RIO TINTO CANADIAN EXPLORATION LIMITED

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH							
from	to			from	to								
		318 Cp spk. with Py											
		318-322 3½' core lost, 3% Py											
		322-328 5½' core lost, 3% Py											
		328-332 3½' core lost, 3% Py											
		332-336 3.5' core lost, 2% Py											
		336-339 2.5' core lost, 1% Py											
		Cp in fract. (with cal.) @ 30°											
		339-344 4.5' core lost, soft, rhy?											
		1% Py dissemin.											
344	353	Andesite - light green grey, soft											
		344-348 3½' core lost											
		348-353 4' core lost											
		Cp spks. with Py in fract.											
		2-5% Py											
353	358	Rhyolite - hard, grey,											
		353-358 4' core lost											
		Cp in fract.											
358	368	Andesite - dark grey, soft											
		358-363 4' core lost											
		363-368 3.5' core lost 2% Py											
368	498	Rhyolite - grey, hard											
		368-373 3.5' core lost											
		373-375 0.5' core lost, 2% Py											
		Cp in fract.											
		375-383 6' core lost, 2-5% Py											
		383-387 3.5' core lost, 2% Py											
		387-398 10' core lost											
		Cp blotch											
		398-403 4.5' core lost											
		Cemented at 398											
		403-408 4.5' core lost, 2% Py											
		408-413 3.5' core lost, 2% Py											
		Cp some spks.											
		413-418 4.5' core lost calcite											
		vug											

RIO TINTO CANADIAN EXPLORATION LIMITED

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH											
from	to			from	to												
		418-424															
		424-428															
		428-433															
		433-438															
		438-443															
		443-448															
		altered															
		448-453															
		altered, soft, white, kaolinized?															
		453-458															
		458-463															
		463-468															
		468-473															
		473-478															
		478-483															
		483-488															
		488-498															
		END OF HOLE 498															
		DRILLED BY CANADIAN LONGYEAR LTD.,															
		VANCOUVER, B.C.															

RIO TINTO CANADIAN EXPLORATION LIMITED
DIAMOND DRILL RECORD

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH	% Cu	% MoS ₂	Oz/T	Oz/T	% Pb	% Zn
from	to			from	to				Au	Ag		
		SLUDGE	C22105	300	310	10	0.11		tr	tr		
			C22106	310	320	10	0.09		tr	0.1		
			C22107	320	330	10	0.09		tr	tr		
			C22108	330	340	10	0.20		tr	0.1		
			C22109	340	350	10	0.13		tr	tr		
			C22110	350	360	10	0.11		tr	tr		
			C22111	360	370	10	0.08		tr	tr		
			C22112	370	380	10	0.08		tr	tr		
			C22113	380	390	10	0.07		tr	tr		
			C22114	390	400	10	0.12		tr	tr		
			C22115	400	410	10	0.08		0.01	tr		
			C22116	410	420	10	0.07		tr	tr		
			C22117	420	430	10	0.08		tr	0.1		
			C22118	430	440	10	0.11		tr	tr		
			C22119	440	450	10	0.16		0.01	0.1		
			C22120	450	460	10	0.11		tr	tr		
			C22121	460	470	10	0.08		tr	tr		
			C22122	470	480	10	0.09		tr	tr		
			C22123	480	490	10	0.08		tr	tr		
			C22124	490	498	8	0.08		tr	0.1		

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SPECTROGRAPHIC ANALYSIS

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH						
from	to			from	to							
		SAMPLE C-22080 PERCENT BY WEIGHT										
		Elements Detected:										
		Al - major										
		Ba - 0.1										
		B - 0.001										
		Ca - major										
		Cr - < 0.001										
		Co - 0.003										
		Cu - 0.05										
		Au - Tr										
		Fe - major										
		Pb - 0.02										
		Mg - 2.0										
		Mn - 0.1										
		Mo - 0.001										
		Ni - < 0.001										
		Si - major										
		Ag - < 0.001										
		Sr - 0.03										
		Sn - < 0.01										
		Ti - 0.6										
		V - 0.005										
		Zn - < 0.1										
		Elements not Detected:										
		Sb, As, Be, Bi, Cd, Ga, Nb, Ta, W										

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

HOLE NO 69-4

LOCATION: 335' southwest along a line
at 245° from 132 S 1150 W
AZIMUTH: 65°

PROPERTY: CHUTANLI

DIP: -45°

LENGTH: 164'

^{35m @ surface}
ELEVATION: 3510'
EST. ELEVATION BARB LAKE 3500'

CLAIM NO: C-3 806202

STARTED: December 4, 1969

CORE SIZE: AQ

DATE LOGGED: December 8, 1969

SECTION:

COMPLETED: December 6, 1969

DIP TESTS:

LOGGED BY: Robert Hewton

PURPOSE: To test high chargeability

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH	% Cu	% MoS ₂	Oz/T Au	Oz/T Ag	% Pb	% Zn
from	to			from	to							
0	62 ^{3m}	Casing	C22072	60	80	20	0.05			tr		
60	161	Feldspar porphyry - grey, soft, feldspar phenos	C22073	80	101	21	0.05			tr		
		60.5 Cp in Py filled fract. @ 20°	C22074	101	122	21	0.05			tr		
		fract. @ 20°, 30°, 60°, 80°, 90°	C22075	122	143	21	0.04			tr		
			C22076	143	164	21	0.04			tr		
		61 Cp spks.										
		65 Cp - fract. @ 30°										
		60-65 5-10% Py mainly dissem., also fract.										
		67 Cp spks with Py in fract. @ 30°										
		69.5 Cp spks.										
		85.5 Cp spks.										
		93-93.5 mud										
		93.5 - 97 1' core lost										
		109.7 Cp spk.										
		123 Cp spk.										
		132-135 Cp spks.										
		135 Cp spk.										
		135-143 3' core lost										
		143-150 2' core lost										
		156-161 4½' core lost										
		Some areas are silicified, hard, perhaps rhyolite porphyry										
		Some areas have biotite enrichment; phenocrysts are sometimes kaolinized										
		% of phenocrysts varies										
		colour of rock varies light whitish to										

RIO TINTO CANADIAN EXPLORATION LIMITED
DIAMOND DRILL RECORD

CHUTANLI

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH	% Cu	% MOS ₂	Oz/T Au	Oz/T Ag	% Pb	% Zn
from	to			from	to							
161	164	dark greenish grey mud - dark green grey										
END OF HOLE 164 - STOPPED BECAUSE OF MUD PROBLEM - COULD BE DRILLED NO FURTHER WITHOUT CEMENT.												
DRILLED BY CANADIAN LONGYEAR LTD., VANCOUVER, B.C.												
		SLUDGES	C22102	130	140	10	0.09		tr	tr		
			C22103	140	150	10	0.07		tr	tr		
			C22104	150	160	10	0.05		tr	0.1		
			C22125	60	70	10	0.07		0.01	tr		

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

LOCATION: L40 S 20W

HOLE No 69-3

AZIMUTH: 65°

PROPERTY: CHUTANLI

DIP: -45°

LENGTH: 508

109.5m @ Surface
154.8m

ELEVATION: 3562'

CLAIM No: C-38 806238

ESTIMATED ELEVATION BARB LAKE 3500'

STARTED: November 30, 1969

CORE SIZE: AQ

DATE LOGGED: Dec. 5, 6, 7, 8

SECTION:

COMPLETED: December 3, 1969

DIP TESTS:

LOGGED BY: Robert Hewton

PURPOSE: to test high chargeability

FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH	% Cu	% MoS ₂	Oz./T Au	Oz./T Ag	% Pb	% Zn
from	to			from	to							
0	48 ^{10m}	Casing	C22048	47	72	25	0.03			Tr		
47	70	Granodiorite - coarse grained quartz, feldspar and biotite (often hexagonal crystals) with some amphibole, 1-5% Py mainly disseminated, also in fractures, often weathered reddish brown, magnetic fract. @ 30°, 60°, 90°, 0°	C22049	72	97	25	0.03			Tr		
		47.2 - Two specks Cp	C22050	97	116	19	0.04			Tr		
		felsics generally weathered	C22051	116	136	20	0.04			Tr		
		tiny disseminated specks of mineralization	C22052	136	158	22	0.06			Tr		
		Py?	C22053	158	168	10	0.07			Tr		
		Some disseminated Cp with disseminated Py	C22054	168	176	8	0.08			Tr		
		<< 0.1%	C22055	176	196	20	0.05			Tr		
			C22056	196	216	20	0.08			Tr		
			C22057	216	236	20	0.04			Tr		
			C22058	236	256	20	0.05			Tr		
			C22059	256	276	20	0.10	0.006		0.32	Tr	
			C22060	276	296	20	0.05			Tr		
70	80	Rhyolite ? - Fine grained, hard, light grey, contact at 45°, 10% Py - dissem., fractures @ 30°, 80°, mafics lineated in cross section (90°) to core	C22061	296	316	20	0.03			Tr		
			C22062	316	336	20	0.02			Tr		
			C22063	336	356	20	0.02			Tr		
			C22064	356	374	18	0.02	0.006		Tr	Tr	
80	108.1	Granodiorite, some sections have kaolinization	C22065	374	394	20	0.02		Tr	Tr		Tr
		5% Py, some mag.	C22066	394	414	20	0.03			Tr		
		83-90 2.5' core lost	C22067	414	434	20	0.06			Tr		
		90-97 2.5' core lost	C22068	434	454	20	0.05			0.07		
		97-105 3.0' core lost	C22069	454	474	20	0.10			0.10		
		fracture @ 30°, 60°, 90°, 20°	C22070	474	492	18	0.05			Tr		
		105-108 1' core lost	C22071	492	508	16	0.04			Tr		
		102 - specks Cp										
		kaolinization at contact										

CHUTANLI

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH	% Cu	% MoS ₂	Oz/T Au	Oz/T Ag	% Pb	% Zn
from	to			from	to							
		Some dissem. Cp very small %										
108.1	111.5	Rhy.? contact - altered, kaolinization, slickensides										
111.5	117.7	Rhyolite - hard, some areas of kaolinization										
		108-113 2' core lost										
		112 - Cp dissem. and with Py										
117.7	124.2	Sediment?? (Arg.??) Brownish, Soft, many fractures at 60° - quartz and Py fil- led, fine grained										
		5% Py										
		123' Cp										
		124' Cp										
		117.5 Cp dissem.										
		118.5 Cp with Py and calcite in fracture										
		119.5 Cp Spk.										
124.2	134	Rhyolite, hard, grey, fract. @ 30°, 90°, some kaolinization, areas of biotite en- richment, 2-10% Py										
		125.5 Cp in calcite fract.										
134	136	Andesite, grey green, soft, magnetic, fract. @ 60°, 90°, 5% Py										
136	145	Rhyolite ?? - light green grey, mafics lineated in cross section (90°), scratches slightly, fract. @ 30°, 60°, 90°, 0°, 45°										
		2-5% Py										
		136-138 Cp dissem. ≤ 0.1%										
145	147	Rhyolite - dark grey, very hard, fract. @ 90°, 45°, 30°, 80°, 2-3% Py:										
		145 Cp										
147	149.5	As 136-145										
149.5	151	Rhyolite - light grey, fract. @ 70°, 80°, 20° 2-3% Py										
151	160.5	As 136-145										
		151 - 156 5' core lost - SLUDGE	C22101	150	160	10	0.06		Tr	Tr		
		2-3% Py Cp dissem. small %										

RIO TINTO CANADIAN EXPLORATION LIMITED

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH						
from	to			from	to							
160.5	163	Rhy. - hard, grey, fine grained 161.7 - Cp speck 162.1 - 162.5 Cp almost 1%										
163	167	As 136 - 145 163.5 - Cp specks Cp dissem! small %										
167	179.5	Andesite, dark grey, soft, many fract. @ 80°, 30°, 90°, 2-5% Py 168 Cp spks. in Py 170-172 0.5% Cp 174.3 Cp spks. 178.5 Cp spks. 170 Cp in Cal. fract. 170.5 Cp dissem. 172-173 Cp ≈0.5%										
179.5	184.5	Porphyry - Kaolinization of greenish feldspar phenocrysts in grey matrix, matrix hard, quartzitic, fract. @ 20°, 30°, 45° 184.2 Cp spk.										
184.5	188.5	Rhyolite? Banded greyish and brownish, fract. @ 30°, 45°, 90°, 2% Py 185 - Cp spk. in quartz fract.										
188.5	190	Felsite? Very altered, very soft, fract. @ 30°, 90°										
190	191.5	As 136 - 145										
191.5	215	Andesite - dark grey, soft, altered and silicified, often banded, sometimes looks like rhyolite, 2-5% Py 196.5 Cp in quartz fract. @ 30° 198 Cp in Py bleb 201 Cp spk. 201.2 Cp in Quartz fract. @ 30° 208 Cp in fract. 210 Cp in quartz fract. @ 30° 213 Cp in fract. at 30°										

RIO TINTO CANADIAN EXPLORATION LIMITED

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH							
from	to			from	to								
		199 - Cp											
		207-208 Cp dissem. and in fract.											
215	223.2	Rhyolite? Banded at 80° to core, brownish and greyish bands, hard fract. @ 20°, 30°, 45°											
		218 Cp specks in Py filled fract. @30°											
		2-5% Py											
		215.5 Cp in fract.											
223.2	235	Rhyolite tuff - brownish grey to greenish grey, banded at 80°, also has quartz bands, hard fract. @ 20°, 30°, 80°											
		225 Cp in fract. @ 30°											
		1-3% Py											
235	244	Andesite - light green grey, sometimes spotted, soft, banded, silicified bands at 80°											
		mag. in some fract. @ 30° 1-2% Py											
		fract. @ 0°, 30°, 80°, 90°											
244	252	Rhyolite porphyry - dark grey with white quartz phenocrysts, hard											
		250.3 Cp in fract. @ 20°											
		250.4 Cp in fract. @ 30°											
		fract. @ 20°, 30°, 80°, 90° 1-3% Py											
		249.5 Cp in fract.											
		249 Cp with cal.											
252	263	Rhyolite tuff - grey to grey green, hard, banded, quartzitic areas, spotted appearance in places, fract. @ 20°, 30°, 80°, 90°											
		257 Cp in fract. with Py @ 30°											
		259 Cp spk.											
		few areas with phenocrysts											
263	278	Andesite ? - brownish grey and greenish grey bands at 60-80°											
		fract. @ 0°, 10°, 30°, 60°, 80°, 90°											

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH						
from	to			from	to							
		magnetite in some fract.										
		270 Cp - in fract. @ 10°										
		271 Cp - in fract. @ 90°										
		271.4 Cp - in fract. @ 80°										
		272.5 Cp - spk.										
		274 Cp - fract. @ 20°										
		274.2 Mo - quartz filled fract. @ 90°										
		1-5% Py										
		271 Cp spk.										
		269 - 271 Cp in fract. < 0.1%										
		274.5 0.1 - 0.2% Cp in fract.										
278	284	Rhyolite, hard, light grey, 2-5% Py - disseminated, fract. @ 30°, 60°, 90° mag. - sometimes weathering to hem.										
284	289.4	Andesite? - altered, silicified, quartz filled fract. soft, dark to light grey, fract. @ 0°, 30°, 80° 1-2% Py										
289.4	293	Rhyolite - grey, hard, fract. @ 30°, 80°, 90°, 3% Py										
293	312.5	As 263 - 278 - And.? alternating irregular dark and light green grey bands fract. @ 20°, 30°, 45°, 60°, 80°, 90° 2% Py										
312.5	320	Rhyolite? - grey, hard, silicified, fract. @ 30°, 60°, 80°, 90°										
		314 Cp fract. with Py @ 30°										
		315 Cp fract. with Py @ 20°										
		2-15% Py										
		313.5 Cp in quartz fract. with Py										
320	335	Andesite - dark grey, soft, dark and light green grey bands										
		326 Cp in Py filled fract. @ 60° fract. @ 30°, 60°, 3-10%										
		324.5 Cp spk. in Py										
		325 Cp										

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

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HOLE NO: 69-3

PAGE NO: 6

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH								
from	to			from	to									
335	360	Rhyolite porphyry - light grey, hard, feldspar phenocrysts, sections heavily altered - kaolinized fract. @ 0°, 90°, 20°, 30°, 60° patches of mafics give spotted look, slickensides on some 30° fract. surfaces 5% Py												
360	365	Rhyolite - grey, hard, fract. @ 20°, 30°, 90°, 2% Py												
365	394	Rhyolite porphyry - feldspar phenos, quartz in some fract., fract. @ 0°, 30°, 45°, 60°, 80°. Areas of kaolinization 371 Mo - spk. 374.5 - Biotite enrichment - slickensides on fract. @ 30° 382.5 - Sphal. - spk. 384-386 - Slickensides on fractures 2% Py - very finely disseminated 370 - 371 Cp few dissem. spks.												
394	399	Rhyolite - quartz and feldspar veins, hard, grey fract. @ 30°, 60°, 90°, slickensides 1% Py very finely dissem.												
399	440	Rhyolite Porph. - feldspar phenos and some biotite (< 5%) 3% Py - mostly fine disseminations, also in fract. fract. @ 30°, 60°, 90° 425 Cp few spks. in fract. @ 30° 427 Cp spk. 427.5 Cp - spk. 430 - Cp spk. in Py filled fract. @ 30° - colour varies whitish to greenish grey, percentage of biotite varies, phenos sometimes kaolinized 3-5% Py usually in fine disseminations, also in some fractures												

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

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HOLE NO: 69-3

PAGE NO: 7

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH							
from	to			from	to								
		414.5 - 415.5 Cp few dissem. spks.											
		422 Cp in cal. fract. & Cp dissem. in fract., almost 0.2% some spks. Cp throughout											
440	443	Andesite, dark grey, soft, fract. @ 30°, 45°, 90° 5-10% Py in fract.											
443	455	Rhyolite - hard, grey, fract. @ 0°, 20°, 30°, 60°, 90°											
		446 Cp few spks. (quite large)											
		450 - 451 Porphyry											
		451.5 Cp - few spks.											
		452 Cp in Py filled fract. @ 0°											
		3-5% Py in fine disseminations & fract. Cp spks.											
		446 Cp spks. in cal. fract.											
		451 - 454 Cp dissem.											
455	488.5	Andesite - grey green, soft, fract. @ 0° 30°, 45°, 60°, 80°, 90° brownish quartzitic bands											
		458.5 Cp, sphal. (1 crystal) in quartz vein at 10°											
		462.5 Cp spk.											
		1-10% Py - mainly in fract. largest % near 455, lowest near 488.5											
		459 Cp spks.											
488.5	494	Rhyolite - light greyish to brownish green, fine grained, hard, fract. @ 0°, 30°, 80°, some darker softer bands @ 80°											
		5% Py - mainly in fract.											
494	508	Rhyolite ? greener than 488.5 - 494 - has greenish and brownish bands at 45°, hard, fract. @ 20°, 30°, 80°, 90°											
		500-508 - appears almost bedded, lighter grey-perhaps a rhyolite tuff											
		3% Py - mainly dissem., also in fract.											

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

CHUTANLI

HOLE NO: 70-9

PAGE NO: 2

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH						
from	to			from	to							
		as disseminated. Calcite in fractures.										
	70-76	No core lost. Grass green epidote and calcite in fractures, occ. pyrite, fracture @ 30°, 45°, 60°										
	76-80	No core lost. At 78 heavy alteration										
	80-82.5	0.1' core lost. At 81, 1/16" white calcite vein										
	82.5-90	No core lost. At 84, 1/16", 1/8" white quartz vein, occ. pyrite fractures @ 20°, 30°, 45°. At 87, 1/16" quartz vein with minor chalcopryrite.										
	90-92	0.1' core lost. Ir-regular fractures with occ. pyrite										
	92-93	0.5' core lost, badly broken, occ. pyrite, altered										
	93-96.5	No core lost. At 93' hair-like fractures with minor chalco, fractures @ 30°, 45°										
	96.5-100.5	No core lost. At 98', 100.5, 1/16", 1/8" quartz veins with occ. specks of pyrite, fractures @ 30°, 45°.										
	100.5-101	No core lost. Altered.										
	101-103	1.5' core lost. High chloritization ? broken										
	103-103.5	No core lost										
	103.5-113.5	No core lost. At 106', 108', 1/16", 1/8" white quartz veins with fine specks of chalco and pyrite. Fracture @ 30°, 45°, 60°										
	113.5-121	No core lost. At 116' 117', 1/16" white quartz veins with occ. pyrite. At 118' disseminated pyrite. At 120' little alteration, more silicious, fractures @ 30°, 45°										
	121-124	0.5' core lost. Broken high alteration, kaolinized? At 122',										

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

CHUTANLI

HOLE No: 70-9
PAGE No: 3

FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH							
from	to			from	to								
		1/8" white quartz vein, with minor pyrite											
		124-126 0.1' core lost. Light grey, silicious. At 124 blebs of pyrite as disseminated.											
		126-130.5 2.1' core lost. Very badly broken. At 129' occ. specks of chalco and pyrite in quartz vein.											
		130.5-132.5 No core lost. Broken. At 131., 1/8" quartz vein with minor specks of molybdenite? <1% Pyrite disseminated											
		132.5-135.5 No core lost. Broken. At 133, 134, 135, irregular quartz veins with fine specks of chalco and approx. 2% pyrite as disseminated, fractures @30°, 45°											
		135.5-138 1.7' core lost. Broken, altered											
		138-141 No core lost. Broken, occ. pyrite, at 140' mud?											
		141-143 0.8' core lost. Altered. Soft, light grey coloured, kaolinized?											
		143-147.5 No core lost. At 145', 146.5 mud seam?											
		147.5-150 1.2' core lost, grey mud?											
		150-157 5.5' core lost, broken mud? At 155 < 1% pyrite											
		157-163 3.2' core lost. Badly broken, occ. blebs of galena?											
		163-168 4.5' core lost, badly broken,											
		168-173 4.2' core lost. At 172' grey mud?											
		173-177 3.6' core lost											
		177-179 1.6' core lost. Dark grey mud?											

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

CHUTANLI

HOLE No: 70-9

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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH						
from	to			from	to							
		-179-181 1.2' core lost.										
		Dark grey mud?										
		181-182.5 1.0' core lost										
		182.5-183.5 0.4' core lost										
		183.5-184 No core lost										
		184-188 3.0' core lost										
		188-190 1.5' core lost										
		190-192 0.6' core lost										
		192-194 0.4' core lost. Badly broken, high alteration										
		194-196 No core lost. Silicious										
		At 194, 1/16" quartz vein, broken, fracture with calcite										
		196-197.5 0.3' core lost.										
		Fracture @ 45°.										
		197.5-198.5 0.4' core lost, grey mud?										
		198.5-200.5 1.2' core lost. altered										
		200.5-202.5 0.9' core lost. High alteration, broken, badly										
		202.5-204 0.5' core lost. Occ. specks of pyrite										
		204-206 1.1' core lost. Badly broken. At 205, occ. pyrite and Chalco in quartz vein.										
		206-208 0.8' core lost. From										
		207'-208' grey mud ?										
		208-210.5 2.0' core lost. Badly broken										
		210.5-212.5 1.5' core lost, badly broken, grey mud?										
		212.5-215 1.3' core lost. Grey mud?										
		215-217.5 1.6' core lost. Grey mud?										

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

CHUTANLI

HOLE No: 70-9

PAGE No: 5

FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH	% Cu						
from	to			from	to								
	217.5-220	2.0' core lost. Broken badly, mud											
	220-224	2.5' core lost. At 220 brecciated? At 221, grey mud with broken rock											
		END OF HOLE 224											
		DRILLED BY CANADIAN LONGYEAR LTD., VANCOUVER, B.C.											
		SLUDGES											
			C22197	50'	60'	10'	0.02						
			C22198	60'	70'	10'	0.02						
			C22199	70'	80'	10'	0.02						
			C22200	85'	90'	5'	0.02						
			C22201	150'	160'	10'	0.03						
			C22202	160'	170'	10'	0.04						
			C22203	170'	180'	10'	0.02						
			C22204	180'	190'	10'	0.03						
			C22205	190'	200'	10'	0.02						
			C22206	200'	210'	10'	0.03						
			C22207	210'	220'	10'	0.03						
			C22208	220'	224'	4'	0.03						

RIO TINTO CANADIAN EXPLORATION LIMITED
DIAMOND DRILL RECORD

LOCATION: ON MOST NORTHWESTERLY
CROSS LINE AT 1715 SW
AZIMUTH: 063

HOLE No 69-2

PROPERTY: CHUTANLI LAKE

DIP: -45° LENGTH: 500 ^{152.4} ELEVATION: 3810' CLAIM No: C 39

107.82 surface
Est. Elevation Barb Lake 3500'

STARTED: NOVEMBER 24, 1969 CORE SIZE: AQ DATE LOGGED: Nov. 27, 1969 SECTION: 806239
and Nov. 28, 1969

COMPLETED: NOVEMBER 27, 1969 DIP TESTS: LOGGED BY: H.I. Hall
& R. Hewton

PURPOSE: To further test high chargeability area (I.P.)

FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH	% Cu	% MoS ₂	Oz./T Au	Oz./T Ag		
from	to			from	to							
0	45.0	Casing	C22024	45.0	64.0	19.0	0.04			0.09		
45.0	47.0	Rhyolite, Felsite? grey, weathered, siliceous, rusty, quartz, pyrite in fractures @ 15°, 45°, 60°.	C22025	64.0	83.0	19.0	0.03	0.01	Tr.	0.2		
			C22026	83.0	105.0	22.0	0.03			Tr		
			C22027	105.0	115.0	10.0	0.16			0.25		
47.0	48.0	Breccia, rhyolite and andesite frag. cemented by andesite. Second contact @ 30° carb. quartz 1/8" along contact	C22028	115.0	136.0	21.0	0.08	0.01	Tr.	0.4		
			C22029	136.0	157.0	21.0	0.05			Tr		
			C22030	157.0	167.0	10.0	0.07	0.01	Tr.	0.4		
48.0	53.0	Andesite? dark grey, green. Some altered amphibole phenocrysts. Few Carb., quartz and Py seams @ 30°, 60°, 80°	C22031	167.0	185.0	18.0	0.05	0.01	Tr.	0.3		
			C22032	185.0	205.0	20.0	0.06			Tr		
			C22033	205.0	223.0	18.0	0.04			Tr		
			C22034	223.0	241.0	18.0	0.05	0.01	Tr.	0.1		
53.0	61.0	Rhyolite? grey. well fractured, quartz, carb. py 3% Py. 56.5 mud seam @ 60° slickensides. silicified near mud seam	C22035	241.0	260.0	19.0	0.03			Tr		
			C22036	260.0	280.0	20.0	0.03			Tr		
			C22037	280.0	300.0	20.0	0.06	0.01	Tr.	0.2		
			C22038	300.0	316.0	16.0	0.04			Tr		
61.0	63.5	Andesite? grey-green, 3% Py. Tr hematite.	C22039	316.0	335.0	19.0	0.04			Tr		
63.5	64.5	As 53-61 5% Py	C22040	335.0	355.0	20.0	0.05	0.01	Tr.	0.2		
64.5	73.0	Andesite? in part silicified, grey, green; fractures @ 0°, 15°, 30°, 45°, 60° py, magnetite, hematite. Py 4%.	C22041	355.0	375.0	20.0	0.04			0.10		
			C22042	375.0	395.0	20.0	0.05			0.10		
			C22043	395.0	415.0	20.0	0.04	0.01	Tr.	0.2		
73.0	74.8	Light grey altered rhyolite ? @ 60° 2% Py.	C22044	415.0	432.0	17.0	0.03			Tr		
			C22045	432.0	451.0	19.0	0.04			0.04		
74.8	89.0	Andesite? grey green 2% Py	C22046	451.0	471.0	20.0	0.04	0.005	Tr.	0.2		
89.0	139.5	Rhyolite ? 89-91 1 ft. core lost 91-95 3.5 ft. core lost weathered	C22047	471.0	500.0	29.0	0.03			Tr		

RIO TINTO CANADIAN EXPLORATION LIMITED
DIAMOND DRILL RECORD

CHUTANLI LAKE
'C' GROUP

HOLE No: 69-2

PAGE No: 2

FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH	% Cu	% MOS ₂	OZ/T Au	OZ/T Ag		
from	to			from	to							
		95-97 1.7 ft. core lost										
		Brecciated throughout										
		107-107.5 Chert cemented with mud @60°										
		109 - 0.5' breccia @ 45° with 1" Py-Cp										
		Band. + bornite										
		112 mud										
		112.5 mud										
		Some magnetite, average 2-3% Py, but locally 10%. Hematite										
		124-127 2.0' core lost										
		127-132 1.0' core lost										
		132-134 1.5' core lost										
		134-138.5 1.5' core lost										
		131 - Mud <u>SLUDGE</u>	C22099	90	100	10	0.14			0.17		
		134-135 Very vuggy	C22100	130	140	10	0.05		0.01	0.1		
139.5	143.5	Andesite? 3% Py										
143.5	152.0	Rhyolite? First contact @60° 4% Py										
152.0	161.0	Andesite? silicified locally 5% Py in fractures, speck Cp										
161.0	168.3	Rhyolite ? Second contact irregular @ 50° 10% Py, some magnetite										
168.3	178.0	Andesite? 3% Py, 1% Magnetite										
178.0	181.0	Rhyolite? contacts @60° 8% Py, 1% Magnetite										
181.0	196.0	F.G. intrusive or andesite. Average 2% Py. @ 195 0.5' of 40% Py										
196.0	197.5	Rhyolite ? @ 50° 2% Py										
197.5	216.0	Andesite or fine grained intrusive ? 2% Py										
		201 - a bleb of Cp in Py										
		Rhyolite section @ 204.5 - 206 @ 70° with 5% Py										
216.0	222.5	Rhyolite ? weathered										
222.5	227.5	Altered andesite. F.G. Grey 2% Py										

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DIAMOND DRILL RECORD

CHUTANLI LAKE
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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH							
from	to			from	to								
227.5	237.0	Breccia, Fragments, andesite, rhyolite in felsite. 236.5 mud 2% Py											
237.0	242.5	Andesite ? 3% Py											
242.5	245.0	As 227.5 - 237.0. Smaller fragments											
245.0	252.0	Andesite ? 2% Py											
252.0	253.5	Breccia @ 30°											
253.5	261.5	Andesite 2% Py											
261.5	268.5	Rhyolite ? 265 Mud 1 ft. core lost 5% Py											
268.5	269.0	Andesite 1% Py											
269.0	269.5	Rhyolite @ 45°, 5% Py											
269.5	277.0	Andesite 1% Py, Magnetite											
277.0	279.5	Breccia @ 45° Silicification of wall rock, 5% Py											
279.5	281.5	Andesite 1% Py											
281.5	283.3	Breccia @ 50°											
283.3	300.0	Andesite ? Mud @ 285.5, 4% Py											
300.0	302.0	Rhyolite ? @ 45°											
302.0	334.5	Andesite ? Tr Py											
334.5	341.0	Breccia & Rhyolite, Calcite in breccia. 339 Mud. Tr Py											
341.0	343.0	Andesite ? 1% Py											
343.0	354.0	Rhyolite ? 3% Py											
354.0	358.0	Andesite ? 1% Py											
358.0	359.0	Rhyolite, breccia											
359.0	390.0	Andesite ? with some narrow silicified sections near fractures. 368-369 Tr Cp and magnetite in thin fractures.											

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FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH						
from	to			from	to							
390	412.5	Andesite, light grey green, quartz and calcite fractures at 20°, 60°, 90°, some chloritization, disseminated and fracture filled pyrite 2-5%, some mag in fract. sometimes altered to hematite										
412.5	413.5	Contact zone, many irregular discontinuous fractures with feldspar										
413.5	415.5	Altered rhyolite or felsite, very soft, spotted with mafics, chloritization, < 2% Py										
415.5	426.5	Feldspar porphyry - very soft white feldspar phenos up to 1 cm in light grey matrix, black (amph.?) phenos up to 0.1 cm, speck Cp at 417										
426.5	430	fractures at 60°, 90°, 0° Contact at 60° Rhyolite - hard, grey green, calcite fractures at 45°, 60°, 0°, mag and Py fract. at 45° < 2% Py										
430	432	Altered Rhyolite or felsite, light grey										
432	436	Breccia, Rhyolite, andesite, felsite, fragments < 2% Py Fract. @ 30°, 60°										
436	454	Rhyolite, dark grey, hard, fract. at 30°, 60°, 80°, calcification, speck Cp with mag at 436.5, Cp with Py 451 Hem. stains in some fract., quartz fract. 2-5% Py disseminated and in fract. 453-454 Altered Rhyolite, soft, almost mud										
454	459	Andesite, grey green, scratches, fract. @ 10°, 30°, 60°, 90°, 3-5% Py 1% Mag, in fract.										
459	461.5	Altered Rhyolite or felsite, very soft, some chloritization, < 2% Py, fract. at 20°, 80°, 60°, 90°										

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FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH							
from	to			from	to								
461.5	464.5	Andesite, dark green grey, soft, 2% Py, Mag, fract. at 30°											
464.5	466.5	Altered Rhy.? very soft, 3% Py, light grey, fract. at 10°, 30°, 90°											
466.5	467.5	Andesite, dark green, hard											
467.5	472	Altered Rhy.? 5% Py Fract. @ 30°, 90°											
		468-469 - Breccia, some mag											
472	475	Andesite, dark grey green, fract. @ 60°, 30°, 1-5% Py, some mag, chloritization											
475	482	Rhyolite - hard, grey-green grey											
		475-478 many small irregular fract. @ 30°, 60°, 90°, mag altering to hem											
482	488	Rhy. ? very altered - Mud < 1% Py											
488	492	Rhy - very fractured @ 60°, 90°, 10°, 1-2% Py Slickensides, Kaolinization?											
492	500	Andesite, blocky - small chunks almost mud, some pyrite											
		492 - 500 5½' core missing											
		END OF HOLE 500 FEET											
		DRILLED BY CANADIAN LONGYEAR LIMITED VANCOUVER.											

RIO TINTO CANADIAN EXPLORATION LIMITED

DIAMOND DRILL RECORD

LOCATION: On most northwesterly
diagonal line at 1000 SW
AZIMUTH: 245

HOLE NO 69-1

PROPERTY: Chutanli Lake

DIP: -45° LENGTH: 504.0 ^{188.6 @ surface} 153.6 ELEVATION: 3750' CLAIM NO: C40
EST. ELEVATION BARB LAKE 3500' Tag No. 806240
STARTED: November 18, 1969 CORE SIZE: AQ DATE LOGGED: Nov. 26, 1969 SECTION:
COMPLETED: November 23, 1969 DIP TESTS: LOGGED BY: H.I. Hall
PURPOSE: To test high chargeability area (I.P.)

FOOTAGE		DESCRIPTION	SAMPLE NO	FOOTAGE		LENGTH	% Cu	% MoS2	Oz./T Au	Oz./T Ag	% Pb	% Zn
from	to			from	to							
0	70.0	Casing	C22001	70.0	86.0	16.0	0.03			Tr		
70.0	73.0	Rhyolite? fractured at 60° & 30°. Rust along fractures. Grey. Py 10% approx.	C22002	86.0	101.0	15.0	0.03			Tr	Rechecked	
73.0	101.0	Andesite or F.G. intrusive. First contact @ 60°. Dark grey-green. Altered amphibole xystals. 3-5% Py in fractures. Patchy magnetite. Chlorite.	C22003	101.0	120.0	19.0	0.04	0.015	Tr.	8.2 (Tr.)		
		89-89.5 Siliceous dyke @ 60°	C22004	120.0	149.0	29.0	0.14	0.01				
		77-83 1.0 ft. core lost	C22005	149.0	165.0	16.0	0.04			0.04		
		83-86 1.0 ft. core lost	C22006	165.0	184.0	19.0	0.03			Tr		
		92.5=94.5 1/2" fracture along core silicification & PY.	C22007	184.0	204.0	20.0	0.03	0.015	Tr.	1.2 (Tr.)		
		101-101.5 Quartz 1/2" @ 60° with grey alteration to wall rock.	C22008	204.0	224.0	20.0	0.02			0.05		
101.5	108.5	Andesite? 101-107 1.0' core lost.	C22009	224.0	243.0	19.0	0.03			Tr		
108.5	153.0	Rhyolite? 5-10% PY. Fracturing 30° to 60° up to 3" wide.	C22010	243.0	267.0	24.0	0.03	0.01	Tr.	0.8 (Tr.)		
		111-112 0.5' core lost	C22011	267.0	286.0	19.0	0.03	0.005				
		116-119 2.2' core lost	C22012	286.0	308.0	22.0	0.03			Tr.		
		119-120 0.5' core lost	C22013	308.0	329.0	21.0	0.03	0.015	Tr.	0.6		
		115 - 3" fracture with Py @ 30° Some dissemination of Py.	C22014	329.0	354.0	25.0	0.04			Tr.		
		120-122 1.0' core lost	C22015	354.0	373.5	19.5	0.03			Tr.		
		122-123 0.5' core lost	C22016	373.5	391.0	17.5	0.03	0.01	Tr.	0.4		
		123-126 2.3' core lost	C22017	391.0	411.0	20.0	0.03			0.07		
		126-132 4.7' core lost	C22018	411.0	428.0	17.0	0.03			Tr		
		132-136 2.5' core lost	C22019	428.0	447.0	19.0	0.02	0.015	Tr.	0.4		
			C22020	447.0	469.0	22.0	0.03			Tr.		
			C22021	469.0	487.0	18.0	0.02			Tr.		
			C22022	487.0	493.0	6.0	0.02	0.015	Tr.	0.4	0.09	0.30
			C22023	493.0	504.0	11.0	0.02			Tr.		

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Chutanli Lake
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FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH	% Cu	Oz/tm Ag				
from	to			from	to							
		Brecciated & grey mud.										
		349 -351.5 Brecciated, grey mud.										
		Slickensides 1.0 ft. core lost										
		364 -367.5 1.5 ft. core lost										
		367.5-369.5 1.0 ft. core lost										
		364 -377 slickensides, very broken core.										
		375.5-384 F.G. - siliceous										
		Green-grey. Dyke? 384.0 Mud.										
		394 Mud @ 30° Quartz										
		382 -389 1.0 ft. core lost										
		389 -392 1.0 ft. core lost										
398.0	433.0	Andesite? 2% Py										
		415.5 & 416 Mud seams @ 30°										
		423 -428 2.0 ft. core lost										
433.0	461.0	Rhyolite? 4% Py										
		454.5-456.0 1.0 ft. core lost										
		456.0-459.0 2.0 ft. core lost										
		459.0-460.0 0.5 ft. core lost										
		460.0-461.0 0.6 ft. core lost										
		451.5-461.0 Siliceous, Py										
		10% locally. 453 - Gouge										
461.0	487.0	Andesite? F.G. Grey-Green										
487.0	492.0	Rhyolite? or silicification										
		487 -492 ½" quartz fracture, vuggy, weaving in and out of core with Py, sphalerite, Galena? MoS ₂ ?										
492.0	504	Andesite?										
		End of Hole 504 Ft.										
		Drilled by Canadian Longyear Limited, Vancouver.										
		SLUDGE	C22097	120	130	10	0.04	0.03				
		"	C22098	130	140	10	0.03	0.03				

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CHUTANLI SPECTROGRAPHIC ANALYSES

FOOTAGE		DESCRIPTION	SAMPLE No	FOOTAGE		LENGTH							
from	to			from	to								
		SAMPLE C-22004 PERCENT BY WEIGHT											
		ELEMENTS DETECTED:											
		Al - major Ba - 0.03											
		Cr - <0.001 Co - 0.005											
		Fe - major Pb - <0.01											
		Mo - <0.001 Ni - 0.03											
		Ti - 0.6 V - 0.01											
		B - <0.001 Ca - 2.0											
		Cu - 0.01 Au - Tr											
		Mg - 1.5 Mn - 0.05											
		Si - major Sr - 0.003											
		Zn - <0.1											
		ELEMENTS NOT DETECTED:											
		Sb, As, Be, Bi, Cd, Ga, Nb, Ag, Ta, Sn, W											
		SAMPLE C-22011 PERCENT BY WEIGHT											
		ELEMENTS DETECTED:											
		Al - major Ba - 0.03											
		Cr - <0.001 Co - 0.003											
		Fe - major Pb - <0.01											
		Mo - <0.001 Ni - 0.001											
		Ti - 0.5 V - 0.01											
		B - <0.001 Ca - 1.5											
		Cu - 0.03 Au - Tr											
		Mg - 1.0 Mn - 0.03											
		Si - major Sr - 0.003											
		Zn - <0.1											