

# RED RIVER RESOURCES Ltd.

## DRILL LOG SHEET

Project: BLYTHE

Hole No: G0001

Collar Co-Ordinates: 0402061mE  
5424928mN (GOA 94)

Location Code: .....

Azimuth: 110° Inclination: -60° Collar RL: 562m

Location: <u>1000 ACRE QUARRY</u>  Map/Photo Reference: .....	Date Started	23/04/09	Hole size			From	To	Total	Core Storage	10 PEARL ST
	Date Finished	9/05/09	Non Core					CNO of Trays		
	Total Depth	206.5						Sample Storage	10 PEARL ST	
	Logged By	GOCE/AM	Core					Assay Lab	BURNIE LAB	
	Contractor	EDRILL PT						Assay Reports		
<b>Hole Survey Data</b>			Rig					Min/ & Pet Lab		
Depth	Instrument		Acid Etch		Drill Crew	Casing				Min/ & Pet Reports
	INKL.	AZ.	INKL.	AZ.						
Collar	○									
						Casing Left				

Graphic/Letter Symbol Logging Key

<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px; text-align: center;">S S</td> <td style="width: 30px; border: 1px solid black;"></td> <td>TERTIARY SEDIMENT</td> </tr> <tr> <td style="text-align: center;">H H</td> <td style="text-align: center;">(H)</td> <td>Yellow/ green Dolomitic limestone - Host rock</td> </tr> <tr> <td style="text-align: center;">- - A</td> <td style="border: 1px solid black;"></td> <td>Shale Andalusite - bearing hornfels</td> </tr> <tr> <td style="text-align: center;">G/W</td> <td style="border: 1px solid black;"></td> <td>Grey/ white dolomitic limestone + magnetites</td> </tr> <tr> <td style="text-align: center;">gt</td> <td style="border: 1px solid black;"></td> <td>Garnetiferous dolomitic limestone + minor shales</td> </tr> </table>	S S		TERTIARY SEDIMENT	H H	(H)	Yellow/ green Dolomitic limestone - Host rock	- - A		Shale Andalusite - bearing hornfels	G/W		Grey/ white dolomitic limestone + magnetites	gt		Garnetiferous dolomitic limestone + minor shales	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px; text-align: center;">M M</td> <td style="width: 30px; text-align: center;">(M)</td> <td>Mt/ Cc/ Po Metasomatic alteration</td> </tr> <tr> <td style="text-align: center;">[Cross-hatch]</td> <td style="border: 1px solid black;"></td> <td>Pyrrhotite - rich rock</td> </tr> <tr> <td style="text-align: center;">[Grid]</td> <td style="border: 1px solid black;"></td> <td>Magnetite - rich rock</td> </tr> <tr> <td style="text-align: center;">(A)</td> <td style="border: 1px solid black;"></td> <td>Amphibole alteration</td> </tr> <tr> <td style="text-align: center;">(D)</td> <td style="border: 1px solid black;"></td> <td>Dolomitic</td> </tr> </table>	M M	(M)	Mt/ Cc/ Po Metasomatic alteration	[Cross-hatch]		Pyrrhotite - rich rock	[Grid]		Magnetite - rich rock	(A)		Amphibole alteration	(D)		Dolomitic
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(C)		Calcite
		_____

**Structure/Alteration Code**

- |                |               |
|----------------|---------------|
| B Bedding      | O Oxidation   |
| J Jointing     | Po Pyrrhotite |
| C Cleavage     | Mt Magnetite  |
| F Foliation    | Py Pyrite     |
| Sh Shearing    | Cc Calcite    |
| q Quartz Veinz |               |

Drilling Summary:

Drill hole No: QP001

DIAMOND DRILL LOG

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From	To	Inter. (m)	Core Rec'd	Sample No	Graphic Log	% Estimates				Core Angles			Description	
										B	V	F		
0	6.6	6.6	3.2 (48%)		+ + +									Beige coloured crystalline core. Friable & soft where strongly weathered, very crumbly. Massive with few fractures/veins. Variable grain size, moderate to coarse. Some quartz crystals < 2cm. Dominantly feldspar & quartz. Sometimes feldspar weathered to kaolinite. Biotite also abundant, aggregations < 0.5m in places. Grey metallic-looking mineral. Very soft, platy. Leaves light grey streak with pearly lustre when rubbed between fingers → weathered muscovite. Soft yellowish mineral replacement - again also feldspar. Slightly harder than kaolinite although paler specimens easily confused → Sericite. GREISEN - W. BATHSTON
6.6	12.2	5.6	5.6 (100%)		•••••									Grey to beige very fine sand. Massive, no obvious bedding. Hard where fresh. Sub-conchoidal fracture, breaks into sharp, splintery fragments. "Spotted" with black crystal aggregations, very fine → Tourmaline? Larger ones surrounded by quartz "halo" with entire formation up to 1.5m across. Occasionally a central core of pyrite. Smaller aggregations lack halo and have an almost dendritic form. Early stage of formation? Baking of amphiboles by contact with quartz. Fine flecks of silver platy mineral as described above. Less abundant than in granite. Fine grained granite band 0.8-2.5m. Well fractured core. Some veins sub-parallel to core axis. FINE SANDSTONE.
12.2	27.7	15.5	15.5 (100%)		+ + +									Uppermost metre of section highly altered and almost friable. High concentration of rather soft platy mineral: weathered muscovite. Grades into finer grained granite where muscovite is still present but less abundant. Core massive, crystalline, and beige/pale green with

Drill hole No: QD001

DIAMOND DRILL LOG

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From	To	Inter. (m)	Core Rec'd	Sample No	Graphic Log	% Estimates			Core Angles			Description
									B	V	E	
					+++++							<p>black specks (aggregations of biotite).                      Some randomly orientated fractures, no obvious veins or other structures.                      Pseudomorphs of kradinite after feldspar and (more rarely) quartz. Indicates weathering &amp; alteration of granite to gneiss.                      At base of section more coarsely crystalline. Fractures sub-parallel to core axis &amp; often lined with pale yellow/green alteration mineral - sericite?                      Becomes more finely crystalline at contact with sandstone below -&gt; chilled margin.                      Grey/old metallic mineral. As arsenic appears similar to biotite in granite. Soft, but harder than biotite. Scratched out powder in matrix (-&gt; pyrite). This also contains well with sulphide (pyrite) in sandstone.                      GREISEN.</p>
				8601	+++							
				8602	+++++							
				↑	++							
				8603	+++							
				↓	++							
				X	++							
				8604	+++							
				↓	++							
				↑	+++							
				8605	++							
				↓	+++							
				X	++							
				↓	+++							
				8606	++							
				↓	+++++							
				↑	+++++							
27.7				8607	.....							
				↑	.....							
				8608	.....							
				↓	.....							

Grey, well consolidated and very fine grained. Broken core is sharp, breaks into splinters. Fractures easily when core being cut.  
 Majority of composition is fine sand, with porphyroblasts of pyrite & tourmaline. Aggregations of pyrite.



Drill hole No:.....

**DIAMOND DRILL LOG**

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From	To	Inter. (m)	Core Rec'd	Sample No	Graphic Log	% Estimates			Core Angles			Description
									B	V	F	
			↓									
				8613								
				8614								
				X								
				8615								
				X								
				8616								
				8617								

Vein of pyrrhotite & sulphides

Qtz vein

Drill hole No:.....

**DIAMOND DRILL LOG**

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From	To	Inter. (m)	Core Rec'd	Sample No	Graphic Log	% Estimates			Core Angles			Description
									B	V	F	
				8618								
				^								
				8619								
				^								
				8620								
				^								
				8621								
				^								
				8622								
				^								

irregular pyrite vein & other sulphides. Angle varies between 20 & 45° to the vertical

Drill hole No:.....

**DIAMOND DRILL LOG**

Page .....7.....of.....15.....

From	To	Inter. (m)	Core Rec'd	Sample No	Graphic Log	% Estimates			Core Angles			Description
									B	V	F	
				8623								<p>from 762-78 vug quartz crystals growing. Preferred orientation 20-30° to horizontal. Quartz crystals cuboidal, acicular. Implies growth post formation of fracture or simultaneous with fracture formation.</p>
				∨								
				∧								
				8624								
				∨								
				∧								
				8624								
				∨								
				∧								
				8626								
				∨								
				∧								
				8627								
				∨								
				∧								
				8628								
				∨								
				∧								
				8629								
				∨								

Drill hole No:.....

**DIAMOND DRILL LOG**

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From	To	Inter. (m)	Core Rec'd	Sample No	Graphic Log	% Estimates			Core Angles			Description
									B	V	F	
				^ 8630 v								
				^ 8631 v								
				^ 8632 v								
				^ 8633 v								
				^ 8634 v								

Noticeably fewer fractures 96-98m

Pyrite rich 103-103.5m & heavily fractured.













