

# ROSEBERY LITHOLOGY\_VMS LOG

Hole ID: 414R



Project: ROS

Rosebery

Prospect: NRL

North Lake Rosebery

Northing: 5377027.3 mN

Dip: -87.00

Easting: 380071.8 mE

MAG\_Azim: 66.00

RL: 372.5 mRL

Total Depth: 502.7 m

CoordSys: MGA55 (GDA94)

DrillCompany: BLY

Strat	Colour	Lithology	Genetic Text	Litho Facies	Texture	Alt	Min	Summary	Sample_ID	Pb pct	Zn pct	Cu pct	Ag ppm	Au ppm	Fe pct
0	MBV	ORA-GRN	VBX	irr	pum pol	cy ch		Weakly bedded, pumacious with polymict pumice-dacite clasts up to 5cm. BOW 0.5m							
10															
20															
30															
40	MBV	GRN-GRY	VDA	mas	fgr	ch cb		Massive dacite lava, frequent qtz-carb veins. Some veins control cb alteration. BOO 46.5m							
50															

<ul style="list-style-type: none"> <li>▲ Breccia - Undifferentiated</li> <li>⊖ Fault Zone</li> <li>⊖ Hyaloclastic Breccia</li> <li>▲ Pyroclastic Breccia</li> <li>▬ Vein quartz</li> <li>▬ Vein Carbonate</li> <li>▬ Quartz Carbonate Vein</li> </ul>	<ul style="list-style-type: none"> <li>▬ Felsic Flow</li> <li>▬ Feldspathic porphyry</li> <li>▬ Mafic Dyke</li> <li>▬ Quartz Feldspar Porphyry</li> <li>▬ Quartz Porphyry</li> <li>▬ Schist</li> <li>▬ Slate</li> </ul>	<ul style="list-style-type: none"> <li>▬ Disseminated Sulphides</li> <li>▬ Quartz</li> <li>▬ Limestone</li> <li>▬ Dolomite</li> <li>▬ Shale</li> <li>▬ Siltstone</li> <li>▬ Chert</li> </ul>	<ul style="list-style-type: none"> <li>▬ Interbedded sandstone/siltstone</li> <li>▬ Andesite</li> <li>▬ Crystal Tuff</li> <li>▬ Dacite</li> <li>▬ Dacite Lapilli Tuff</li> <li>▬ Felsic tuff</li> <li>▬ Felsic Volcaniclastic</li> </ul>	<ul style="list-style-type: none"> <li>▬ Intermediate flow</li> <li>▬ Intermediate Volcaniclastic</li> <li>▬ Lapilli Tuff</li> <li>▬ Lithic Tuff</li> <li>▬ Rhyolite</li> <li>▬ Rhyolite Breccia</li> <li>▬ Tuff Siltstone</li> </ul>	<ul style="list-style-type: none"> <li>▬ Undifferentiated Volcaniclastic</li> <li>▬ Volcanic Breccia</li> <li>▬ Volcanic Conglomerate</li> <li>▬ Volcanic Sandstone</li> <li>▬ Volcanic Siltstone</li> <li>▬ Not logged</li> </ul>	<p>Mineralisation</p> <ul style="list-style-type: none"> <li>▬ Background</li> <li>▬ Elevated</li> <li>▬ Anomalous</li> <li>▬ Strongly Anomalous</li> <li>▬ Sub-Grade</li> </ul>
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CoordSys: MGA55 (GDA94)

DrillCompany: BLY

Strat	Colour	Lithology	Genetic Text	Litho Facies	Texture	Alt	Min	Summary	Sample_ID	Pb pct	Zn pct	Cu pct	Ag ppm	Au ppm	Fe pct
100	MBV	GRN-GRY	VDA		mas	fgr	ch cb	Massive dacite lava, frequent qtz-carb veins. Some veins control cb alteration. BOO 46.5m							
130	MBV	GRN-GRY	VSS		dff	pum tuf	ch cb py	Diffusely to well bedded, fine-coarse grained Volcaniclastic sandstone Weakly chl altered with some beds showing intense carb spotting. Rare pumice fiamme (up to 5cm) mainly around 174m. py is weakly bedded and more prominent at beginning of unit.							

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200	MBV	GRY-GRN	VBX		mas	pum pol	ch cb	py	Massive, volcanoclastic pumice/dacite breccia, Frequent qtz-carb veining. 2 felsic dykes at 203.4-204.1m and 213.4-214.5m.						
210															
220															
230	MBV	GRY-GRN	VSS		dff	mon	ch cb		Diffusely-irregular bedded, fine-coarse grained, poorly sorted, clast rich volcanoclastic sandstone. Common 0.5-1cm carb altered angular clasts.						
240															
250	MBV	GRY-GRN	VSS		dff	fgr	se ch		Massive-diffus.ly bedded fine grained volcanoclastic sandstone						

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250	MBV	GRY-GRN	VSS		dff	fgr	se ch	Massive-diffus.ly bedded fine grained volcaniclastic sandstone							
260															
270															
280	MBV	GRY-GRN	IFK		mas	por	se ga	massive, feldspar rich felsic dyke. Trace gal hosted in qtz-carb veins							
290															
300	MBV	GRY-GRN	VSS		dff	fgr cgr	se cb	Massive-diffusely bedded fine- medium grained volcaniclastic sandstone							
	MBV	GRY-GRN	VBX		grd	pum mon	ch po	Massive, volcaniclastic pumice breccia, Frequent qtz-carb veining. Trace po							

Breccia - Undifferentiated	Felsic Flow	Disseminated Sulphides	Interbedded sandstone/siltstone	Undifferentiated Volcaniclastic	Background
Fault Zone	Feldspathic porphyry	Quartz	Andesite	Volcanic Breccia	Elevated
Hyaloclastite Breccia	Mafic Dyke	Limestone	Crystal Tuff	Volcanic Conglomerate	Anomalous
Pyroclastic Breccia	Quartz Feldspar Porphyry	Dolomite	Dacite	Lapilli Tuff	Strongly Anomalous
Vein quartz	Quartz Porphyry	Shale	Dacite Lapilli Tuff	Lithic Tuff	Sub-Grade
Vein Carbonate	Schist	Siltstone	Felsic tuff	Rhyolite Breccia	
Quartz Carbonate Vein	Siltstone	Chert	Felsic Volcaniclastic Tuff Giltstone	Not logged	

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300	MBV	GRY-GRN	VBX		grd	pum mon	ch cb	po	Massive, volcanoclastic pumice breccia, Frequent Qtz-carb veining. Trace po						
310															
320															
330	MBV	GRY-GRN	VSS		dff	fgr cgr	se cb		Thinly-diffusely bedded fine- medium grained volcanoclastic sandstone						
340															
350	MBV	GRY-GRN	VBX		mas	pum pol	ch cb		Massive, volcanoclastic pumice breccia, Frequent Qtz-carb veining.						

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350	MBV	GRY-GRN	VBX		mas	pum pol	ch cb	Massive, volcanoclastic pumice breccia, Frequent qtz-carb veining.							
370	MBV	GRY-GRN	VBX		mas	pum cgr	ch cb	Massive, volcanoclastic pumice/dacite breccia, weakly graded. Possibly multiple flows. Areas of intense carb alteration (eg. 473m) Very large dacite clasts (up to 50cm) Frequent qtz-carb veining.							
380															
390															
400															

Breccia - Undifferentiated	Felsic Flow	Disseminated Sulphides	Interbedded sandstone/siltstone	Intermediate flow	Undifferentiated Volcanoclastic
Fault Zone	Feldspathic porphyry	Quartz	Andesite	Intermediate Volcanoclastic	Volcanic Breccia
Hyaloclastic Breccia	Mafic Dyke	Limestone	Crystal Tuff	Lapilli Tuff	Volcanic Conglomerate
Pyroclastic Breccia	Quartz Feldspar Porphyry	Dolomite	Dacite	Lithic Tuff	Volcanic Sandstone
Vein quartz	Quartz Porphyry	Shale	Dacite Lapilli Tuff	Rhyolite	Volcanic Siltstone
Vein Carbonate	Schist	Siltstone	Felsic tuff	Rhyolite Breccia	Not logged
Quartz Carbonate Vein	Gneiss	Chert	Felsic Volcanoclastic Tuff Siltstone	Tuff Siltstone	

Mineralisation	
	Background
	Elevated
	Anomalous
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400	MBV	GRY-GRN	VBX		mas	pum cgr	ch cb	Massive, volcanoclastic pumice/dacite breccia, weakly graded. Possibly multiple flows. Areas of intense carb alteration (eg. 473m) Very large dacite clasts (up to 50cm) Frequent qtz-carb veining.							
410															
420															
430															
440															
450															

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450	MBV	GRY-GRN	VBX			pum cgr	ch cb	Massive, volcanoclastic pumice/dacite breccia, weakly graded. Possibly multiple flows. Areas of intense carb alteration (eg. 473m) Very large dacite clasts (up to 50cm) Frequent qtz-carb veining.							
460															
470															
480															
490															
500															

<ul style="list-style-type: none"> <li>▲ Breccia - Undifferentiated</li> <li>⊖ Fault Zone</li> <li>⊖ Hyaloclastic Breccia</li> <li>▲ Pyroclastic Breccia</li> <li>▬ Vein quartz</li> <li>▬ Vein Carbonate</li> <li>▬ Quartz Carbonate Vein</li> </ul>	<ul style="list-style-type: none"> <li>▬ Felsic Flow</li> <li>▬ Feldspathic porphyry</li> <li>▬ Mafic Dyke</li> <li>▬ Quartz Feldspar Porphyry</li> <li>▬ Quartz Porphyry</li> <li>▬ Schist</li> <li>▬ Slate</li> </ul>	<ul style="list-style-type: none"> <li>▬ Disseminated Sulphides</li> <li>▬ Quartz</li> <li>▬ Limestone</li> <li>▬ Dolomite</li> <li>▬ Shale</li> <li>▬ Siltstone</li> <li>▬ Gneiss</li> </ul>	<ul style="list-style-type: none"> <li>▬ Interbedded sandstone/siltstone</li> <li>▬ Andesite</li> <li>▬ Crystal Tuff</li> <li>▬ Dacite</li> <li>▬ Dacite Lapilli Tuff</li> <li>▬ Felsic tuff</li> <li>▬ Felsic Volcanoclastic Tuff</li> </ul>	<ul style="list-style-type: none"> <li>▬ Intermediate flow</li> <li>▬ Intermediate Volcanoclastic</li> <li>▬ Lapilli Tuff</li> <li>▬ Lithic Tuff</li> <li>▬ Rhyolite</li> <li>▬ Rhyolite Breccia</li> <li>▬ Tuff Siltstone</li> </ul>	<ul style="list-style-type: none"> <li>▬ Undifferentiated Volcanoclastic</li> <li>▬ Volcanic Breccia</li> <li>▬ Volcanic Conglomerate</li> <li>▬ Volcanic Sandstone</li> <li>▬ Volcanic Siltstone</li> <li>▬ Not logged</li> </ul>	<b>Mineralisation</b> <ul style="list-style-type: none"> <li>▬ Background</li> <li>▬ Elevated</li> <li>▬ Anomalous</li> <li>▬ Strongly Anomalous</li> <li>▬ Sub-Grade</li> </ul>
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510															
520															
530															
540															
550															

<ul style="list-style-type: none"> <li>▲ Breccia - Undifferentiated</li> <li>■ Fault Zone</li> <li>■ Hyaloclastic Breccia</li> <li>▲ Pyroclastic Breccia</li> <li>■ Vein quartz</li> <li>■ Vein Carbonate</li> <li>■ Quartz Carbonate Vein</li> </ul>	<ul style="list-style-type: none"> <li>■ Felsic Flow</li> <li>■ Feldspathic porphyry</li> <li>■ Mafic Dyke</li> <li>■ Quartz Feldspar Porphyry</li> <li>■ Quartz Porphyry</li> <li>■ Schist</li> <li>■ Slate</li> </ul>	<ul style="list-style-type: none"> <li>■ Disseminated Sulphides</li> <li>■ Quartz</li> <li>■ Limestone</li> <li>■ Dolomite</li> <li>■ Shale</li> <li>■ Siltstone</li> <li>■ Chert</li> </ul>	<ul style="list-style-type: none"> <li>■ Interbedded sandstone/siltstone</li> <li>■ Andesite</li> <li>■ Crystal Tuff</li> <li>■ Dacite</li> <li>■ Dacite Lapilli Tuff</li> <li>■ Felsic tuff</li> <li>■ Felsic Volcanoclastic</li> </ul>	<ul style="list-style-type: none"> <li>■ Intermediate flow</li> <li>■ Intermediate Volcanoclastic</li> <li>■ Lapilli Tuff</li> <li>■ Lithic Tuff</li> <li>■ Rhyolite</li> <li>■ Rhyolite Breccia</li> <li>■ Tuff Siltstone</li> </ul>	<ul style="list-style-type: none"> <li>■ Undifferentiated Volcanoclastic</li> <li>■ Volcanic Breccia</li> <li>■ Volcanic Conglomerate</li> <li>■ Volcanic Sandstone</li> <li>■ Volcanic Siltstone</li> <li>■ Not logged</li> </ul>	<p><b>Mineralisation</b></p> <ul style="list-style-type: none"> <li>■ Background</li> <li>■ Elevated</li> <li>■ Anomalous</li> <li>■ Strongly Anomalous</li> <li>■ Sub-Grade</li> </ul>
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