

# ROSEBERY LITHOLOGY\_VMS LOG

Hole ID: 413R



Project: ROS

Rosebery

Prospect: NRL

North Lake Rosebery

Northing: 5378392.8 mN

Dip: -87.00

Easting: 379741.8 mE

MAG\_Azim: 66.00

RL: 386.5 mRL

Total Depth: 601.7 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	YEL	VSS		grd	pum fia	cy si		Bedded volcanoclastic sandstone. Interstitial areas of fsp phytic pumice fiammi. Not strongly weathered, common vuggy qtz veins.						
10															
20															
30	MBV	GRY-GRN	TUR		grd	pum fia	si se	ga	Interbedded to graded pumicious mass flows. A series of coarse grained breccia's grading up to black mudstones. Top contact is faulted						
40															
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>■ Siltstone</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>
---	---	--	--	---	--	---

# ROSEBERY LITHOLOGY\_VMS LOG

Hole ID: 413R



Northing: 5378392.8 mN

Dip: -87.00

Easting: 379741.8 mE

MAG\_Azim: 66.00

RL: 386.5 mRL

Total Depth: 601.7 m

CoordSys: MGA55 (GDA94)

DrillCompany: BLY

Project: ROS

Rosebery

Prospect: NRL

North Lake Rosebery

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
50	MBV	GRY-GRN	TUR		grd	pum fia	si se	ga	Interbedded to graded pumicious mass flows. A series of coarse grained breccia's grading up to black mudstones. Top contact is faulted						
70	MBV	GRY-GRN	IFP		mas	por	si cb	py	Massive, feldspar phyric dacite lava. Minor qtz-carb veining						
90	MBV	GRY-GRN	VDA		mas	fg	si se	py	Massive, fine grained dacite lava intrusive. Frequent planar qtz carb veins						

<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 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><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>
---	---	---	--	---	--	---

# ROSEBERY LITHOLOGY\_VMS LOG

Hole ID: 413R



Project: ROS

Rosebery

Prospect: NRL

North Lake Rosebery

Northing: 5378392.8 mN

Dip: -87.00

Easting: 379741.8 mE

MAG\_Azim: 66.00

RL: 386.5 mRL

Total Depth: 601.7 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
MBV	GRY-GRN	VDA		mas	fgr	si se	py	Massive, fine grained dacite lava intrusive. Frequent planar qtz carb veins							

<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>▲ Siltstone</li> <li>▲ Gneiss</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 Volcaniclastic Tuff</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><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>
---	---	---	---	---	--	---

# ROSEBERY LITHOLOGY\_VMS LOG

Hole ID: 413R



Project: ROS

Rosebery

Prospect: NRL

North Lake Rosebery

Northing: 5378392.8 mN

Dip: -87.00

Easting: 379741.8 mE

MAG\_Azim: 66.00

RL: 386.5 mRL

Total Depth: 601.7 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
150	MBV	GRY-GRN	VDA		mas	fgr	si se py	Massive, fine grained dacite lava intrusive. Frequent planar qtz carb veins							
160															
170	MBV	GRY-GRN	VSS		dff	pum fia	si se cb	Weakly bedded, fsp phyrlic pumaceous sandstone with minor breccia, random diffuse to graded bedding. Minor qtz-carb veining							
180															
190															
200															

<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>■ Siltstone</li> <li>■ Gneiss</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 Tuff Siltstone</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>
---	---	--	---	---	--	--

# ROSEBERY LITHOLOGY\_VMS LOG

Hole ID: 413R



Project: ROS

Rosebery

Prospect: NRL

North Lake Rosebery

Northing: 5378392.8 mN

Dip: -87.00

Easting: 379741.8 mE

MAG\_Azim: 66.00

RL: 386.5 mRL

Total Depth: 601.7 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
200	MBV	GRY-GRN	VSS		dff	pum fia	si se cb	Weakly bedded, fsp phyrlic pumaceous sandstone with minor breccia, random diffuse to graded bedding. Minor qtz-carb veining							
210	DK	GRN	IMK		mas	apc	ch	Massive mafic dyke. Minor qtz-carb veining							
220	MBV	GRY-GRN	VSS		dff	pum fia	si se cb	Weakly bedded, fsp phyrlic pumaceous sandstone with minor breccia, random diffuse to graded bedding. Minor qtz-carb veining							
230															
240															
250															

<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><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>
---	---	--	--	---	--	---

# ROSEBERY LITHOLOGY\_VMS LOG

Hole ID: 413R



Project: ROS

Rosebery

Prospect: NRL

North Lake Rosebery

Northing: 5378392.8 mN

Dip: -87.00

Easting: 379741.8 mE

MAG\_Azim: 66.00

RL: 386.5 mRL

Total Depth: 601.7 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
250	MBV	GRY-GRN	VSS			dff		pum fia si se cb	Weakly bedded, fsp phyruc pumaceous sandstone with minor breccia, random diffuse to graded bedding. Minor qtz-carb veining						
260															
270															
280															
290															
300															

<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 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><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>
---	---	---	--	---	--	---

# ROSEBERY LITHOLOGY\_VMS LOG

Hole ID: 413R



Project: ROS

Rosebery

Prospect: NRL

North Lake Rosebery

Northing: 5378392.8 mN

Dip: -87.00

Easting: 379741.8 mE

MAG\_Azim: 66.00

RL: 386.5 mRL

Total Depth: 601.7 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
300	MBV	GRY-GRN	VSS		o	pum fia	si se cb	Weakly bedded, fsp phyrlic pumaceous sandstone with minor breccia, random diffuse to graded bedding. Minor qtz-carb veining							
330	MBV	GRY-GRN	VVL		+	bed	amy cb ch	Cherty weakly bedded siltstone. Strange small chlorite-carb altered "amygdaloidal" texture							
340	MBV	GRY-GRN	VBX		∇	mas	pum fia ch si ab	Massive volcanoclastic pumice breccia,							

▲ 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	■ Slate	■ Chert	▲ Felsic Volcanoclastic	▾ Tuff Siltstone	

Mineralisation	
■ Background	■ Elevated
■ Anomalous	■ Strongly Anomalous
■ Sub-Grade	



# ROSEBERY LITHOLOGY\_VMS LOG

Hole ID: 413R



Project: ROS

Rosebery

Prospect: NRL

North Lake Rosebery

Northing: 5378392.8 mN

Dip: -87.00

Easting: 379741.8 mE

MAG\_Azim: 66.00

RL: 386.5 mRL

Total Depth: 601.7 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
400	MBV	GRY-GRN	VBX		mas	pum fia	ch si ab	Massive volcanoclastic pumice breccia,							
410															
420															
430															
435	DK	GRN	IMK		mas	apc	ch	Massive mafic dyke. Minor qtz-carb veining							
440	MBV	GRY-GRN	VBX		mas	pum fia	ch si ab	Massive volcanoclastic pumice breccia,							
450															

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

# ROSEBERY LITHOLOGY\_VMS LOG

Hole ID: 413R



Project: ROS

Rosebery

Prospect: NRL

North Lake Rosebery

Northing: 5378392.8 mN

Dip: -87.00

Easting: 379741.8 mE

MAG\_Azim: 66.00

RL: 386.5 mRL

Total Depth: 601.7 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
450	MBV	GRY-GRN	VBX		mas	pum fia	ch si ab	Massive volcanoclastic pumice breccia,							
460															
470															
480	DK	GRN	IMK		mas	apc	ch	Massive mafic dyke. Minor qtz-carb veining							
490															
500	MBV	GRY-GRN	VAN		mas	qfp	cb ch	Massive, medium grained, chlorite altered Andesite? Common carb blebs throughout. Minor qtz-carb veining							

<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 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>	<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>
---	---	--	---	---	--	--

# ROSEBERY LITHOLOGY\_VMS LOG

Hole ID: 413R



Project: ROS

Rosebery

Prospect: NRL

North Lake Rosebery

Northing: 5378392.8 mN

Dip: -87.00

Easting: 379741.8 mE

MAG\_Azim: 66.00

RL: 386.5 mRL

Total Depth: 601.7 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
500	MBV	GRY-GRN	VAN		mas	qfp	cb ch	py	Massive, medium grained, chlorite altered Andesite? Common carb blebs throughout. Minor qtz-carb veining						
510															
520															
530															
540	MBV	GRY-GRN	VSS		dff	pum fia	si se cb		Weakly bedded, fsp phyrlic pumaceous sandstone with minor breccia, random diffuse to graded bedding. Minor qtz-carb veining						
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>■ Siltstone</li> <li>■ Gneiss</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 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><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>
---	---	---	--	---	--	---



# ROSEBERY LITHOLOGY\_VMS LOG

Hole ID: 413R



Project: ROS

Rosebery

Prospect: NRL

North Lake Rosebery

Northing: 5378392.8 mN

Dip: -87.00

Easting: 379741.8 mE

MAG\_Azim: 66.00

RL: 386.5 mRL

Total Depth: 601.7 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
600	MBV	GRY-GRN	VSS		dff	pum fia	si se cb	Weakly bedded, fsp phyrlic pumaceous sandstone with minor breccia, random diffuse to graded bedding. Minor qtz-carb veining							
610															
620															
630															
640															
650															

<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><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>
---	---	--	--	---	--	---