

ROSEBERY LITHOLOGY_VMS LOG

Hole ID: 414R-D2



Project: ROS

Rosebery

Prospect: NRL

North Lake Rosebery

Northing: 5378203.8 mN

Dip: -87.00

Easting: 379836.7 mE

MAG_Azim: 66.00

RL: 372.5 mRL

Total Depth: 1652.2 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
		ZZZ						see parent							

▲ 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	■ 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 Volcaniclastic	■ Tuff Siltstone	
				■ Not logged	

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MBV	GRN-PNK	VDA		brc	abx fgr	ch ab cb		Massive, Dacite autobreccia, variably altered, intensely veined.							

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DK	GRN	IMK		mas	aph fgr	ch		Massive basalt dyke,							
MBV	GRN-PNK	VDA		brc	abx fgr	ch ab cb		Massive, Dacite autobreccia, variably altered with increased albite.							

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

Hole ID: 414R-D2



Northing: 5378203.8 mN
Easting: 379836.7 mE
RL: 372.5 mRL
CoordSys: MGA55 (GDA94)

Dip: -87.00
MAG_Azim: 66.00
Total Depth: 1652.2 m
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
MBV	GRN-PNK	VDA		brc	abx fgr	ch ab cb		Massive, Dacite autobreccia, variably altered with increased albite.	D1394966	0.0	0.0	0.0	0.05		2.3
									D1394967	0.0	0.0	0.0	0.03		2.2
DK	GRN	IMK		mas	aph fgr	ch		Massive basalt dyke,							
MBV	PNK-GRN	VDA		brc	abx fgr	ab ch cb	py py	Massive, Dacite autobreccia, variably altered with increased albite.							
									D1394968	0.0	0.0	0.0	0.02		3.3
F	CRM-GRN	FTZ		clv		cb ch ch cb si	ga	Shear zone, fully annealed, Strong folding and deformation at end of unit. interpreted at Mt Black Fault	D1394969	0.0	0.0	0.0	0.80		3.2
HWTS	GRY-GRN	VBX		grd	mon xlt			Weakly graded, crystal rich sandstone. Common sub-rounded qtz crystals (can be up to 5mm), minor patch of disseminated ga at about 1233.3m, shale rip ups at base of unit up to 5cm. Some minor qtz carb veining.							
									D1394970	0.0	0.0	0.0	0.34		1.8
BS	BLK-GRY	VST	?	bed	sla	cb	py po	Interbedded black shale with interstitial sandstone/siltstone beds. Heavily veined hosting trace py and po.	D1394971	0.0	0.0	0.0	0.04		1.9

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

Hole ID: 414R-D2



Project: ROS

Rosebery

Prospect: NRL

North Lake Rosebery

Northing: 5378203.8 mN

Dip: -87.00

Easting: 379836.7 mE

MAG_Azim: 66.00

RL: 372.5 mRL

Total Depth: 1652.2 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
BS	BLK-GRY	VST	?	bed	sla	cb	py po	Interbedded black shale with interstitial sandstone/siltstone beds. Heavily veined hosting trace py and po.							
HW	GRY-GRN	VSS	o	mas	qph xlt	ch cb	py	Massive, medium grained, Volcanic sandstone. Minor grading. Trace fine grained py.	D1394972	0.0	0.0	0.0	0.07		2.4
			o						D1394973	0.0	0.0	0.0	0.05		3.4
			o						D1394974	0.0	0.0	0.0	0.04		2.5
			o						D1394975	0.0	0.0	0.0	0.08		2.1

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

Hole ID: 414R-D2



Northing: 5378203.8 mN

Dip: -87.00

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MAG_Azim: 66.00

RL: 372.5 mRL

Total Depth: 1652.2 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
1300	HW	GRY-GRN	VSS		mas	qph xlt	ch cb	py	Massive, medium grained, Volcanic sandstone. Minor grading. Trace fine grained py.	D1394976	0.0	0.0	0.0	0.09	2.9
	HWTS	GRY-GRN	VSL		bnd	fgr pum	si	po	Weakly bedded to banded fine grained, volcaniclastic siltstone. Some flattened fsp phryic pumices? Trace po in in qtz veinlets.						
	HW	GRY-GRN	VSS		mas	qph xlt	ch cb		Massive, medium grained, Volcanic sandstone. Minor grading.						
1310										D1394977	0.0	0.0	0.0	0.15	1.6
	HWTS	GRY-GRN	VSB		itb	qph	ch cb si		Variable unit, Brecciated to interbedded. Medium-coarse sandstone matrix. Vuggy qtz veins.						
	HWTS	GRY-GRN	VBX		grd	qph cgr	ch cb se	sp	Weakly graded, crystal rich epiclastic sandstone breccia. Common sub-rounded qtz crystals which are very coarse grained at base, Clast include shale, quartzite and quartz phryic rhyolite up to 20cm . Grades up to medium sandstone. Sphalerite is most common in the matrix at the base. Some minor qtz carb veining.						
1320										D1394978	0.0	0.0	0.0	0.07	1.6
1330										D1394979	0.0	0.0	0.0	0.16	2.0
1340										D1394980	0.1	0.4	0.0	2.63	4.6
1350															

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

Hole ID: 414R-D2



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RL: 372.5 mRL
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Dip: -87.00
MAG_Azim: 66.00
Total Depth: 1652.2 m
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
1450	HW	GRY-GRN	VBX		grd	pum qph	ch cb se	Massive, crystal rich epiclastic sandstone breccia. Common sub-rounded qtz crystals and angular fsp, common fsp phyric fiamme, minor siliceous clasts up to 2cm.	D1394991	0.0	0.0	0.0	0.61		2.6
1460									D1394992	0.0	0.0	0.0	1.30		1.5
1470	HW	GRY-GRN	VBX		grd	pum fph	ch si se	Massive, crystal rich pumice breccia. Common chl altered fsp phyric fiammi. Qtz crystals have dropped out.	D1394993	0.0	0.0	0.0	0.08		1.5
1480	F	GRY-GRN GRN-WHT	FTZ VBX		brc mas	fol pum	cb to se si cb	Rosebery fault zone, tourmaline altered pug. Core is very broken. Massive, fsp crystal rich pumicious breccia in fine qtz/fsp crystal rich matrix. Frequent siliceous clasts. strongly silicified and sericite/carb altered.	D1394994	0.0	0.0	0.0	0.12		1.1
1490									D1394995	0.0	0.1	0.0	0.53		1.0

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

Hole ID: 414R-D2



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Total Depth: 1652.2 m
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
	GRN-WHT	VBX		mas	fol pum	se si cb		Massive, fsp crystal rich pumicious breccia in fine qtz/fsp crystal rich matrix. Frequent siliceous clasts. strongly silicified and sericite/carb altered.	D1394996	0.0	0.0	0.0	0.13		1.1
									D1394997	0.0	0.0	0.0	0.11		1.0
	GRY-GRN	VBX		mas	fol pum	se si cb	py	Massive, foliated, pumicious breccia, clasts are smaller, angular and chl altered with no crystals, scattered through a fine sandstone matrix. Very fine grained disseminated py throughout. Boundary is slightly gradational between units.	D1394998	0.0	0.0	0.0	0.81		1.5
									D1394864	0.0	0.0	0.0	1.00	-0.01	1.0
									D1394865	0.0	0.0	0.0	1.00	-0.01	1.0
									D1394999	0.0	0.0	0.0	0.21		1.0
									D1394866	0.0	0.0	0.0	3.00	0.01	1.1
									D1394867	0.3	1.7	0.0	110.00	0.53	3.2
									D1394868	0.0	0.3	0.0	91.00	0.40	3.3
									D1394869	0.5	1.8	0.0	155.00	0.99	1.4
									D1394870	0.0	0.5	0.0	60.00	0.09	1.2
									D1394871	0.0	0.0	0.0	4.00	0.01	4.8
									D1394872	0.0	0.0	0.0	2.00	-0.01	4.5
									D1394873	0.0	0.0	0.0	1.00	-0.01	1.5
									D1394874	0.0	0.0	0.0	1.00	-0.01	1.6
									D1394875	0.0	0.0	0.0	1.00	-0.01	1.8
									D1395000	0.0	0.0	0.0	0.07		1.0
									D1394876	0.0	0.0	0.0	1.00	-0.01	1.4
									D1394877	0.0	0.0	0.0	-1.00	-0.01	1.1
									D1394878	0.0	0.0	0.0	1.00	-0.01	1.4
									D1394879	0.0	0.0	0.0	1.00	-0.01	1.3
									D1394880	0.0	0.0	0.0	1.00	-0.01	1.9
									D1394881	0.0	0.0	0.0	1.00	-0.01	1.8
									D1394882	0.0	0.0	0.0	1.00	-0.01	1.3
									D1394883	0.0	0.0	0.0	1.00	-0.01	2.0
									D1394885	0.0	0.0	0.0	1.00	-0.01	1.6
									D1394886	0.0	0.0	0.0	1.00	-0.01	1.7
									D1806501	0.0	0.0	0.0	0.16		1.9

<ul style="list-style-type: none"> ▲ Breccia - Undifferentiated ⊖ Fault Zone ⊖ Hyaloclastite Breccia ▲ Pyroclastic Breccia ○ Vein quartz ○ Vein Carbonate ○ Quartz Carbonate Vein 	<ul style="list-style-type: none"> ▲ Felsic Flow ▲ Feldspathic porphyry ▲ Mafic Dyke ▲ Quartz Feldspar Porphyry ▲ Quartz Porphyry ▲ Schist ▲ Siltstone ▲ Gneiss 	<ul style="list-style-type: none"> ▲ Disseminated Sulphides ▲ Quartz ▲ Limestone ▲ Dolomite ▲ Shale ▲ Siltstone ▲ Chert 	<ul style="list-style-type: none"> ▲ Interbedded sandstone/siltstone ▲ Andesite ▲ Crystal Tuff ▲ Dacite ▲ Dacite Lapilli Tuff ▲ Felsic tuff ▲ Felsic Volcaniclastic 	<ul style="list-style-type: none"> ▲ Intermediate flow ▲ Intermediate Volcaniclastic ▲ Lapilli Tuff ▲ Lithic Tuff ▲ Rhyolite ▲ Rhyolite Breccia ▲ Tuff Giltstone 	<ul style="list-style-type: none"> ▲ Undifferentiated Volcaniclastic ▲ Volcanic Breccia ▲ Volcanic Conglomerate ▲ Volcanic Sandstone ▲ Volcanic Siltstone ▲ Not logged 	<ul style="list-style-type: none"> ▲ Mineralisation ▲ Background ▲ Elevated ▲ Anomalous ▲ Strongly Anomalous ▲ Sub-Grade
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ROSEBERY LITHOLOGY_VMS LOG

Hole ID: 414R-D2



Northing: 5378203.8 mN
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RL: 372.5 mRL
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Total Depth: 1652.2 m
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Rosebery

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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	
1550	GRN-GRY	VSS		mas	fol cgr	se si cb	py sp	Massive, foliated Volcaniclastic sandstone, Medium grained, qtz/fsp? Rich. Banded/cleaved ser alteration with associated fine grained py. Disseminated pale yellow sph with associated galena at start of unit. Lower contact is sharp.	D1394886	0.0	0.0	0.0	1.00	-0.01	1.7	
									D1806501	0.0	0.0	0.0	0.16		1.9	
									D1394887	0.0	0.0	0.0	1.00	0.01	1.7	
									D1394888	0.0	0.0	0.0	-1.00	0.13	1.2	
									D1394889	0.0	0.0	0.0	-1.00	0.02	1.3	
	D1394890	0.0	0.0	0.0	5.00	0.14	2.2									
	1560	GRY-GRN	VSS		bnd	fol fgr	se si	sp ga	Massive to weakly banded, Volcaniclastic sandstone, blotchy ba-ser-chl-si alteration. Disseminated to wispy banded cream sph, ga and py.	D1394891	0.2	0.2	0.0	10.00	0.12	2.2
										D1394892	0.1	0.3	0.0	4.00	0.06	1.0
										D1394893	0.4	2.2	0.1	20.00	0.30	2.5
										D1394894	0.1	0.3	0.0	6.00	0.18	1.3
										D1394895	0.1	0.2	0.0	4.00	0.07	2.3
										D1394896	0.1	0.3	0.0	6.00	0.06	0.6
										D1394897	0.1	0.5	0.0	9.00	0.12	0.9
										D1394898	0.1	0.2	0.0	12.00	0.10	0.8
										D1806502	0.0	0.0	0.0	1.14		0.7
D1394899										0.1	0.3	0.0	23.00	0.17	0.8	
D1394900		0.8	1.5	0.1	235.00	1.54	1.2									
D1394541		0.8	3.1	0.1	104.00	0.65	1.6									
D1394542		0.1	0.2	0.0	15.00	0.11	0.8									
D1394543		0.1	0.2	0.0	20.00	0.23	1.6									
1570		GRY-GRN	VSS		mas	fol cgr	se si	sp ga	Massive to weakly banded, Volcaniclastic sandstone, blotchy ser-chl-si alteration. Whispy stringers of honey sph, ga and py. A couple of 10-20cm massive sulphide stringers at 1568.8m and 1572.8m.	D1394544	0.2	0.5	0.0	20.00	0.48	5.3
	D1394545									0.4	0.7	0.0	33.00	0.30	2.1	
	D1394546									0.0	0.0	0.0	2.00	-0.01	1.2	
	D1394547									0.7	1.3	0.0	25.00	0.48	1.2	
	D1394548									6.9	14.5	0.2	94.00	0.73	4.3	
	D1394550									1.7	3.8	0.1	39.00	0.79	2.3	
	D1806503									1.0	8.0	0.1	33.70		3.9	
	D1394551									0.5	1.0	0.0	7.00	0.22	1.4	
	D1394552									0.3	0.7	0.1	13.00	0.26	2.4	
	D1394553									0.3	0.4	0.0	3.00	0.25	1.1	
	D1394554	0.8	1.4	0.0	9.00	0.63	2.8									
	D1394555	1.5	2.6	0.0	12.00	0.45	2.6									
	D1394557	1.4	1.7	0.0	12.00	0.18	1.9									
	D1394558	0.1	0.4	0.0	2.00	0.05	0.9									
	1580	GRY-GRN	VSS		bnd	fol fgr	se si	sp ga	Massive to weakly banded, Volcaniclastic Siltstone, weakly banded ser-chl-si alteration . Whispy stringers of honey sph, ga and py.	D1394559	0.2	0.5	0.0	2.00	0.03	1.0
D1394560										0.7	0.9	0.1	20.00	0.11	1.1	
D1394561										0.0	0.1	0.0	1.00	0.08	1.2	
D1394562										0.0	0.2	0.0	4.00	0.01	0.8	
D1806504										0.1	0.3	0.0	3.54		1.1	
D1394563										0.2	0.5	0.0	10.00	0.02	1.2	
D1394564										0.2	0.8	0.0	13.00	0.01	1.0	
D1394565										0.0	0.3	0.0	6.00	-0.01	2.3	
D1394566										0.0	0.0	0.0	3.00	0.01	3.4	
D1394567										0.0	0.0	0.0	2.00	-0.01	1.5	
D1394568		0.0	0.0	0.0	1.00	0.02	1.3									
D1394569		0.1	0.3	0.0	7.00	0.02	1.5									
D1394570		0.3	0.3	0.0	28.00	0.04	2.5									
D1394571		0.2	0.3	0.0	21.00	0.08	3.4									
D1394572		0.1	0.2	0.0	6.00	0.03	3.6									
1590	GRY-GRN	VSS		mas	fol cgr	se si	sp py	Massive to weakly banded, Volcaniclastic sandstone, more intense blotchy ser-chl-si alteration . Whispy stringers of honey sph, ga and py. Boundary is gradational	D1394573	0.1	0.2	0.0	6.00	0.03	5.0	
									D1806505	0.1	0.2	0.0	5.55		3.8	
									D1394575	0.1	0.1	0.0	6.00	0.04	2.6	
									D1394576	0.2	0.6	0.0	13.00	0.07	1.1	
									D1394577	0.7	1.2	0.0	19.00	0.08	0.9	
									D1394578	0.5	1.6	0.0	21.00	0.09	1.3	
									D1394579	0.3	0.7	0.0	9.00	0.07	0.7	
									D1394580	0.2	0.5	0.0	8.00	0.07	0.5	
									D1394581	0.1	1.0	0.0	8.00	0.07	1.2	
									D1394582	0.1	0.3	0.0	2.00	0.03	0.8	
	D1394583	1.8	3.0	0.0	49.00	0.30	3.2									
	D1394584	0.1	0.4	0.0	7.00	0.08	3.3									
	D1394585	0.0	0.0	0.0	-1.00	0.01	1.1									
	D1394586	0.0	0.0	0.0	-1.00	0.04	1.4									
	D1806506	0.0	0.1	0.0	0.93		1.6									
1600	GRY-GRN	VSL		bnd	fol fgr	se si	po py	Diffusely bedded to banded, fine grained volcaniclastic sandstone/siltstone. Vein controlled banded ser alteration. Small veinlets throughout host po and py.	D1394586	0.0	0.0	0.0	-1.00	0.04	1.4	
									D1806506	0.0	0.1	0.0	0.93		1.6	

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

ROSEBERY LITHOLOGY_VMS LOG

Hole ID: 414R-D2



Project: ROS

Rosebery

Prospect: NRL

North Lake Rosebery

Northing: 5378203.8 mN

Dip: -87.00

Easting: 379836.7 mE

MAG_Azim: 66.00

RL: 372.5 mRL

Total Depth: 1652.2 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
	GRN-GRY	VBX		mas	fol cgr	se si	py	Massive, weakly foliated, pumicious breccia, ser altered fsp phyric pumice and silicified qtz phyric lava clasts generally about 3-5cm, scattered through a qtz phyric sandstone matrix.							

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