

# Appendix 3

## Diamond Drilling Results

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- Table A3-1 – Diamond Drilling Results

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**Table A3-1  
Mandurama Shale Quarry – New Berrima  
Diamond Drilling Results**

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Depth (m)	Thickness (m)	Description
<b>STK11: Collar Height = 660.8m AHD</b>		
0 – 6.0	6.0	<b>Clay</b> – predominantly orange
6.0 – 6.6	0.6	<b>Claystone</b> – light grey, very soft
6.6 – 9.8	3.2	<b>Claystone</b> – light grey, minor ironstone on bedding planes, soft
9.8 – 17.3	7.5	<b>Claystone</b> – mid grey, minor thin siltstone laminae throughout
17.3 – 29.6	12.3	<b>Claystone</b> – mid to dark grey, massive
		<b>End of Hole 29.6m</b>
<b>STK12: Collar Height = 662.8m AHD</b>		
0 – 5.0	5.0	<b>Clay</b> – Red at surface grading to orange below 2.0m
5.0 – 6.0	1.0	<b>Clay</b> – mottled light grey/red
6.0 – 7.35	1.35	<b>Claystone</b> – mid grey, very soft, minor ironstone on joints
7.35 – 8.9	1.55	<b>Claystone</b> – mid grey, soft
8.9 – 15.1	6.2	<b>Claystone</b> – mid to dark grey, massive sandy interbed at 9.5m
15.1 – 18.2	3.1	Sandstone – light grey/siltstone mid grey (Passage Beds?)
18.2 – 23.6	5.4	Sandstone – light grey, massive coarse grained below 21.8m
		<b>End of Hole 23.6m</b>
<b>STK13: Collar Height = 664.5m AHD</b>		
0 – 6.0	6.0	<b>Clay</b>
6.0 – 6.55	0.55	<b>Clay</b> – mottled light grey/orange
6.55 – 8.9	2.45	<b>Claystone</b> – light to mid grey, very soft, minor ironstone on joints
8.9 – 11.3	2.4	<b>Claystone</b> – mid grey/minor brown, minor iron stained joints
11.3 – 19.95	8.65	<b>Claystone</b> – mid to dark grey, sandy interbed at 14.55m
19.95 – 25.25	5.3	<b>Sandstone</b> – interbedded light grey/siltstone mid grey (Passage Beds?)
25.25 – 29.6	4.35	<b>Sandstone</b> – light grey and fine/medium grained near top of unit, cross-bedded orange brown and coarse grained below 27.8m (Hawkesbury Sandstone)
		<b>End of Hole 29.6m</b>
<b>STK14: Collar Height = 666.5m AHD</b>		
0 – 6.0	6.0	<b>Clay</b> – brown/orange
6.0 – 7.0	1.0	<b>Claystone</b> – grey, soft
7.0 – 11.0	4.0	<b>Laminite</b> – mid grey uniform lamellae throughout, massive
11.0 – 25.45	14.45	<b>Claystone</b> – mid to dark grey, massive
25.45 – 29.6	4.15	<b>Claystone/Laminite</b> – regular thin siltstone lamellae intermittent throughout. Sandy interbed @ 29.35m
		<b>End of Hole 29.6m</b>

**Table A3-1 (Cont'd)**  
**Mandurama Shale Quarry – New Berrima**  
**Diamond Drilling Results**

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Depth (m)	Thickness (m)	Description
<b>STK15: Collar Height = 669.9m AHD</b>		
0 – 6.1	6.1	<b>Clay</b>
6.1 – 10.9	4.8	<b>Sandstone</b> – light grey, variable claystone interbeds and lamellae throughout
10.9 – 22.3	11.4	<b>Laminite</b> – mid grey, massive, light grey lamellae throughout
22.3 – 29.5	7.2	<b>Claystone</b> – mid to dark grey fracture to massive throughout
		Comparative sample 17.2m
		STK14 sample at 8.5m
		<b>End of Hole 29.5m</b>
<b>STK16: Collar Height = 665m AHD</b>		
0 – 6.1	6.1	<b>Clay</b>
6.1 – 18.0	11.9	<b>Laminite</b> – light to mid grey, generally massive
18.0 – 29.7	11.7	<b>Claystone</b> – mid to dark grey
		<b>End of Hole 29.7m</b>
<b>STK17: Collar Height = 671m AHD</b>		
0 – 8.0	8.0	<b>Clay</b> – light brown / orange
8.0 – 11.9	3.9	<b>Claystone</b> – light grey with numerous thin orange/brown interbeds
11.9 – 29.9	18.0	<b>Claystone / Laminite</b> – mid grey
		<b>End of Hole 29.9m</b>
<b>STK18: Collar Height = 671m AHD</b>		
0 – 6.0	6.0	<b>Clay</b> – light brown/orange
6.0 – 7.4	1.4	<b>Claystone</b> – light grey, soft
7.4 – 17.5	10.1	<b>Laminite</b> – light grey, massive
17.5 – 27.6	10.1	<b>Claystone/Laminite</b> – mid grey
27.6 – 29.8	2.2	<b>Claystone</b> – dark grey
		<b>End of Hole 29.8m</b>
<b>STK19: Collar Height = 672m AHD</b>		
0 – 6.05	6.05	<b>Clay</b> – light to mid brown
6.05 – 7.55	1.5	<b>Claystone</b> – dark grey/brown, highly weathered
7.55 – 17.85	10.3	<b>Claystone</b> – mid to dark grey, massive
17.85 – 30.15	12.3	<b>Claystone/Laminite</b> – minor light grey lamellae sporadically throughout – Marker siltstone at 24.5m
		<b>End of Hole 30.15m</b>