

Hay Shire Council

PO Box 141

Hay NSW 2711

Attention:

Wednesday, May 11, 2016



NATA Accredited Laboratory  
Number: 9597

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## LABORATORY ANALYSIS REPORT

Report Number:1604-0130

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*For all enquiries related to this report please quote document number: 1604-0130*

<u>Facility:</u>	<u>Order #</u>	<u>Date Received</u>
<u>Sample Type</u>	<u>Collected By</u>	
Water	Tony	28-April-2016

<u>EAL ID</u>	<u>Client ID.</u> Date/Time sample taken	<u>Test</u>	<u>Result (units)</u>	<u>Method Reference</u>	<u>Limit of Reporting</u>
16Apr-0487	<b>Piezo 10</b> 27.04.16 10.30am	<b>Ammonia as N</b>	<0.1 mg/L	APHA 4500-NH3 F	0.1
		<b>Chloride</b>	920 mg/L	APHA 4110 B	1
		<b>Chemical Oxygen Demand</b>	<10 mg/L	APHA 5220 D	10
		<b>Conductivity</b>	4220 µS/cm	APHA 2510 B	1
		<b>Nitrate as N</b>	32 mg/L	APHA 4110 B	1
		<b>Nitrogen, total</b>	32 mg/L	APHA 4500-Norg B + 4110 B	2
		<b>Nitrate/Nitrite as N</b>	32 mg/L	APHA 4110 B	1
		<b>Ortho-Phosphate as P</b>	0.13 mg/L	APHA 4500-P E	0.01
		<b>Phosphorus, Total</b>	0.64 mg/L	APHA 3030 E/3120 B	0.01
		<b>pH</b>	8.1 pH units	APHA 4500-H+ B	
		<b>Total Kjeldahl Nitrogen</b>	<2 mg/L	APHA 4500-Norg B	2
		<b>Total Organic Carbon</b>	2.6 mg/L	Analysis by Ecowise, Melbourne (acc no: 992)	
		<b>Total Suspended Solids</b>	952 mg/L	APHA 2540 D	2

16Apr-0488	<b>Piezo 14</b> 27.04.16 10.45am	<b>Ammonia as N</b>	<0.1 mg/L	APHA 4500-NH3 F	0.1
		<b>Chloride</b>	2500 mg/L	APHA 4110 B	1
		<b>Chemical Oxygen Demand</b>	42 mg/L	APHA 5220 D	10
		<b>Conductivity</b>	9700 µS/cm	APHA 2510 B	1
		<b>Nitrate as N</b>	1 mg/L	APHA 4110 B	1
		<b>Nitrogen, total</b>	9 mg/L	APHA 4500-Norg B + 4110 B	2
		<b>Nitrate/Nitrite as N</b>	1 mg/L	APHA 4110 B	1

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Water	Tony	28-April-2016

<u>EAL ID</u>	<u>Client ID.</u> Date/Time sample taken	<u>Test</u>	<u>Result (units)</u>	<u>Method Reference</u>	<u>Limit of Reporting</u>
16Apr-0488	<b>Piezo 14</b> 27.04.16 10.45am	<b>Ortho-Phosphate as P</b>	<b>0.07</b> mg/L	APHA 4500-P E	0.01
		<b>Phosphorus, Total</b>	<b>0.08</b> mg/L	APHA 3030 E/3120 B	0.01
		<b>pH</b>	<b>8.0</b> pH units	APHA 4500-H+ B	
		<b>Total Kjeldahl Nitrogen</b>	<b>8</b> mg/L	APHA 4500-Norg B	2
		<b>Total Organic Carbon</b>	<b>4.5</b> mg/L	Analysis by Ecovise, Melbourne (acc no: 992)	
		<b>Total Suspended Solids</b>	<b>95</b> mg/L	APHA 2540 D	2
16Apr-0489	<b>Piezo 15</b> 27.04.16 11.10am	<b>Ammonia as N</b>	<b>4.7</b> mg/L	APHA 4500-NH3 F	0.1
		<b>Chloride</b>	<b>1570</b> mg/L	APHA 4110 B	1
		<b>Chemical Oxygen Demand</b>	<b>41</b> mg/L	APHA 5220 D	10
		<b>Conductivity</b>	<b>5850</b> µS/cm	APHA 2510 B	1
		<b>Nitrate as N</b>	<b>&lt;1</b> mg/L	APHA 4110 B	1
		<b>Nitrogen, total</b>	<b>11</b> mg/L	APHA 4500-Norg B + 4110 B	2
		<b>Nitrate/Nitrite as N</b>	<b>&lt;1</b> mg/L	APHA 4110 B	1
		<b>Ortho-Phosphate as P</b>	<b>1.74</b> mg/L	APHA 4500-P E	0.01
		<b>Phosphorus, Total</b>	<b>2.07</b> mg/L	APHA 3030 E/3120 B	0.01
		<b>pH</b>	<b>7.3</b> pH units	APHA 4500-H+ B	
		<b>Total Kjeldahl Nitrogen</b>	<b>11</b> mg/L	APHA 4500-Norg B	2
		<b>Total Organic Carbon</b>	<b>4.6</b> mg/L	Analysis by Ecovise, Melbourne (acc no: 992)	
		<b>Total Suspended Solids</b>	<b>36</b> mg/L	APHA 2540 D	2

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Water	Tony	28-April-2016

<u>EAL ID</u>	<u>Client ID.</u> Date/Time sample taken	<u>Test</u>	<u>Result (units)</u>	<u>Method Reference</u>	<u>Limit of Reporting</u>
16Apr-0490	<b>Piezo 16</b> 27.04.16 10.50am	<b>Ammonia as N</b>	<b>4.3</b> mg/L	APHA 4500-NH3 F	0.1
		<b>Chloride</b>	<b>170</b> mg/L	APHA 4110 B	1
		<b>Chemical Oxygen Demand</b>	<b>54</b> mg/L	APHA 5220 D	10
		<b>Conductivity</b>	<b>806</b> µS/cm	APHA 2510 B	1
		<b>Nitrate as N</b>	<b>&lt;1</b> mg/L	APHA 4110 B	1
		<b>Nitrogen, total</b>	<b>11</b> mg/L	APHA 4500-Norg B + 4110 B	2
		<b>Nitrate/Nitrite as N</b>	<b>&lt;1</b> mg/L	APHA 4110 B	1
		<b>Ortho-Phosphate as P</b>	<b>1.13</b> mg/L	APHA 4500-P E	0.01
		<b>Phosphorus, Total</b>	<b>1.25</b> mg/L	APHA 3030 E/3120 B	0.01
		<b>pH</b>	<b>7.3</b> pH units	APHA 4500-H+ B	
		<b>Total Kjeldahl Nitrogen</b>	<b>11</b> mg/L	APHA 4500-Norg B	2
		<b>Total Organic Carbon</b>	<b>12</b> mg/L	Analysis by Ecowise, Melbourne (acc no: 992)	
		<b>Total Suspended Solids</b>	<b>54</b> mg/L	APHA 2540 D	2

16Apr-0491	<b>Piezo 17</b> 27.04.16 10.00am	<b>Ammonia as N</b>	<b>&lt;0.1</b> mg/L	APHA 4500-NH3 F	0.1
		<b>Chloride</b>	<b>1190</b> mg/L	APHA 4110 B	1
		<b>Chemical Oxygen Demand</b>	<b>27</b> mg/L	APHA 5220 D	10
		<b>Conductivity</b>	<b>5510</b> µS/cm	APHA 2510 B	1
		<b>Nitrate as N</b>	<b>2</b> mg/L	APHA 4110 B	1
		<b>Nitrogen, total</b>	<b>6</b> mg/L	APHA 4500-Norg B + 4110 B	2
		<b>Nitrate/Nitrite as N</b>	<b>2</b> mg/L	APHA 4110 B	1

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16Apr-0491	<b>Piezo 17</b> 27.04.16 10.00am	<b>Ortho-Phosphate as P</b>	<b>0.65</b> mg/L	APHA 4500-P E	0.01
		<b>Phosphorus, Total</b>	<b>0.67</b> mg/L	APHA 3030 E/3120 B	0.01
		<b>pH</b>	<b>8.4</b> pH units	APHA 4500-H+ B	
		<b>Total Kjeldahl Nitrogen</b>	<b>4</b> mg/L	APHA 4500-Norg B	2
		<b>Total Organic Carbon</b>	<b>5.5</b> mg/L	Analysis by Ecovise, Melbourne (acc no: 992)	
		<b>Total Suspended Solids</b>	<b>54</b> mg/L	APHA 2540 D	2
16Apr-0492	<b>Piezo 18</b> 27.04.16 11.00am	<b>Ammonia as N</b>	<b>0.4</b> mg/L	APHA 4500-NH3 F	0.1
		<b>Chloride</b>	<b>6270</b> mg/L	APHA 4110 B	5
		<b>Chemical Oxygen Demand</b>	<b>69</b> mg/L	APHA 5220 D	10
		<b>Conductivity</b>	<b>21000</b> µS/cm	APHA 2510 B	1
		<b>Nitrate as N</b>	<b>6</b> mg/L	APHA 4110 B	1
		<b>Nitrogen, total</b>	<b>13</b> mg/L	APHA 4500-Norg B + 4110 B	2
		<b>Nitrate/Nitrite as N</b>	<b>6</b> mg/L	APHA 4110 B	1
		<b>Ortho-Phosphate as P</b>	<b>0.40</b> mg/L	APHA 4500-P E	0.01
		<b>Phosphorus, Total</b>	<b>0.42</b> mg/L	APHA 3030 E/3120 B	0.01
		<b>pH</b>	<b>7.6</b> pH units	APHA 4500-H+ B	
		<b>Total Kjeldahl Nitrogen</b>	<b>7</b> mg/L	APHA 4500-Norg B	2
		<b>Total Organic Carbon</b>	<b>4.2</b> mg/L	Analysis by Ecovise, Melbourne (acc no: 992)	
		<b>Total Suspended Solids</b>	<b>54</b> mg/L	APHA 2540 D	2

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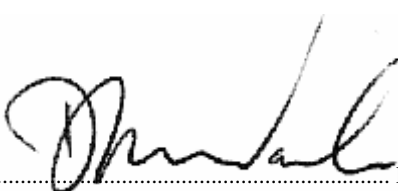
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Water	Tony	28-April-2016

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*Note:*

*NATA accreditation not held for tests marked with \**

Signed .....  ..... David Wade, Laboratory Manager.

*All samples analysed as received.  
All soil results are reported on a dry basis.  
The EAL takes no responsibility for the end use of results within this report.  
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