

Twynam Pastoral Company Pty Limited
The Mount Bedgerabong Road
Forbes NSW 2871
Attention: Michael Fisher

Wednesday, March 5, 2014



NATA Accredited Laboratory
Number: 9597

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LABORATORY ANALYSIS REPORT

Report Number:1402-0104

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For all enquiries related to this report please quote document number: 1402-0104

<u>Facility:</u>	<u>Order #</u>	<u>Date Received</u>
<u>Sample Type</u>	<u>Collected By</u>	
Water	Client	24-February-2014

<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>
14Feb-0323	9403-8652 23.02.14	Alkalinity, Bicarbonate as CaCO ₃	392 mg/L	APHA 2320 B	2
		Ammonia as N	<0.2 mg/L	APHA 4500-NH ₃ F	0.2
		Calcium (dissolved)	58.2 mg/L	APHA 3030 B/3120 B	0.03
		Chloride	1100 mg/L	APHA 4110 B	0.5
		Conductivity	5030 µS/cm	APHA 2510 B	1
		Nitrate/Nitrite as N	2.0 mg/L	APHA 4110 B	0.5
		Phosphorus, Total	0.40 mg/L	APHA 4500-P B5/4500-P E	0.01
		pH	7.4 pH units	APHA 4500-H+ B	
		Potassium (dissolved)	64.4 mg/L	APHA 3030 B/3120 B	0.2
		Sodium (dissolved)	724 mg/L	APHA 3030 B/3120 B	0.5
		Sulphate	86.5 mg/L	APHA 4110 B	3
14Feb-0324	FB-8653 23.02.14	Alkalinity, Bicarbonate as CaCO ₃	182 mg/L	APHA 2320 B	2
		Ammonia as N	<0.2 mg/L	APHA 4500-NH ₃ F	0.2
		Calcium (dissolved)	57.0 mg/L	APHA 3030 B/3120 B	0.03
		Chloride	225 mg/L	APHA 4110 B	0.5
		Conductivity	1360 µS/cm	APHA 2510 B	1
		Nitrate/Nitrite as N	4.0 mg/L	APHA 4110 B	0.5
		Phosphorus, Total	0.04 mg/L	APHA 4500-P B5/4500-P E	0.01
		pH	7.7 pH units	APHA 4500-H+ B	
		Potassium (dissolved)	2.0 mg/L	APHA 3030 B/3120 B	0.2
		Sodium (dissolved)	121 mg/L	APHA 3030 B/3120 B	0.05

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Water	Client			24-February-2014

<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>
14Feb-0324	FB-8653 23.02.14	Sulphate	38.6 mg/L	APHA 4110 B	3
14Feb-0325	AB3-8654 23.02.14	Alkalinity, Bicarbonate as CaCO₃	348 mg/L	APHA 2320 B	2
		Ammonia as N	<0.2 mg/L	APHA 4500-NH ₃ F	0.2
		Calcium (dissolved)	86.1 mg/L	APHA 3030 B/3120 B	0.03
		Chloride	456 mg/L	APHA 4110 B	0.5
		Conductivity	2660 µS/cm	APHA 2510 B	1
		Nitrate/Nitrite as N	0.9 mg/L	APHA 4110 B	0.5
		Phosphorus, Total	0.03 mg/L	APHA 4500-P B5/4500-P E	0.01
		pH	8.0 pH units	APHA 4500-H+ B	
		Potassium (dissolved)	2.9 mg/L	APHA 3030 B/3120 B	0.2
		Sodium (dissolved)	331 mg/L	APHA 3030 B/3120 B	0.5
		Sulphate	106 mg/L	APHA 4110 B	3
14Feb-0326	AB4-8655 23.02.14	Alkalinity, Bicarbonate as CaCO₃	171 mg/L	APHA 2320 B	2
		Ammonia as N	<0.2 mg/L	APHA 4500-NH ₃ F	0.2
		Calcium (dissolved)	21.4 mg/L	APHA 3030 B/3120 B	0.03
		Chloride	63 mg/L	APHA 4110 B	0.5
		Conductivity	658 µS/cm	APHA 2510 B	1
		Nitrate/Nitrite as N	0.9 mg/L	APHA 4110 B	0.5
		Phosphorus, Total	0.06 mg/L	APHA 4500-P B5/4500-P E	0.01
		pH	7.9 pH units	APHA 4500-H+ B	

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14Feb-0326	AB4-8655 23.02.14	Potassium (dissolved)	0.6 mg/L	APHA 3030 B/3120 B	0.2
		Sodium (dissolved)	77.6 mg/L	APHA 3030 B/3120 B	0.05
		Sulphate	25.5 mg/L	APHA 4110 B	3
14Feb-0327	AB5-8656 23.02.14	Alkalinity, Bicarbonate as CaCO ₃	178 mg/L	APHA 2320 B	2
		Ammonia as N	0.2 mg/L	APHA 4500-NH ₃ F	0.2
		Calcium (dissolved)	25.3 mg/L	APHA 3030 B/3120 B	0.03
		Chloride	65 mg/L	APHA 4110 B	0.5
		Conductivity	689 µS/cm	APHA 2510 B	1
		Nitrate/Nitrite as N	0.9 mg/L	APHA 4110 B	0.5
		Phosphorus, Total	0.06 mg/L	APHA 4500-P B5/4500-P E	0.01
		pH	8.0 pH units	APHA 4500-H+ B	
		Potassium (dissolved)	0.6 mg/L	APHA 3030 B/3120 B	0.2
		Sodium (dissolved)	76.5 mg/L	APHA 3030 B/3120 B	0.05
		Sulphate	27.2 mg/L	APHA 4110 B	3
14Feb-0328	AB6-8657 23.02.14	Alkalinity, Bicarbonate as CaCO ₃	118 mg/L	APHA 2320 B	2
		Ammonia as N	<0.2 mg/L	APHA 4500-NH ₃ F	0.2
		Calcium (dissolved)	12.7 mg/L	APHA 3030 B/3120 B	0.03
		Chloride	33 mg/L	APHA 4110 B	0.5
		Conductivity	414 µS/cm	APHA 2510 B	1
		Nitrate/Nitrite as N	<0.5 mg/L	APHA 4110 B	0.5

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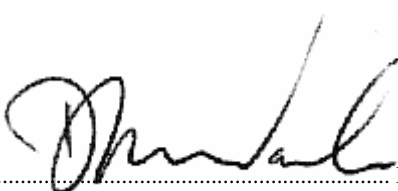
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14Feb-0328	AB6-8657 23.02.14	Phosphorus, Total	0.05 mg/L	APHA 4500-P B5/4500-P E	0.01
		pH	7.9 pH units	APHA 4500-H+ B	
		Potassium (dissolved)	0.6 mg/L	APHA 3030 B/3120 B	0.2
		Sodium (dissolved)	53.4 mg/L	APHA 3030 B/3120 B	0.05
		Sulphate	13.7 mg/L	APHA 4110 B	3

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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