

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

Monday, September 8, 2014



NATA Accredited Laboratory
Number: 9597

*This document is issued in accordance with
NATA's accreditation requirements. Accredited
for compliance with ISO/IEC 17025. This
document shall not be reproduced, except in full.*

LABORATORY ANALYSIS REPORT

Report Number: 1408-0116

Page 1 of 4

For all enquiries related to this report please quote document number: 1408-0116

<u>Facility:</u>	<u>Order #</u>	<u>Date Received</u>
<u>Sample Type</u>	<u>Collected By</u>	
Water	P Paradise	29-August-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>
14Aug-0511	8320 - 9403 27.08.14	Alkalinity, Bicarbonate as CaCO ₃	373 mg/L	APHA 2320 B	2
		Ammonia as N	<0.2 mg/L	APHA 4500-NH ₃ F	0.2
		Calcium (dissolved)	70.7 mg/L	APHA 3030 B/3120 B	0.03
		Chloride	1570 mg/L	APHA 4110 B	1
		Conductivity	5100 µS/cm	APHA 2510 B	1
		Total Hardness as CaCO ₃	819 mg/L	APHA 2340 B	2
		Magnesium (dissolved)	156 mg/L	APHA 3030 B/3120 B	0.02
		Nitrate/Nitrite as N	3 mg/L	APHA 4110 B	1
		Phosphorus, Total	0.52 mg/L	APHA 4500-P B5/4500-P E	0.01
		pH	6.8 pH units	APHA 4500-H+ B	
		Potassium (dissolved)	73.2 mg/L	APHA 3030 B/3120 B	0.2
		Sodium (dissolved)	669 mg/L	APHA 3030 B/3120 B	0.5
		Sulphate	106 mg/L	APHA 4110 B	5
14Aug-0512	8320 - FB 27.08.14	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)	69.3 mg/L	APHA 3030 B/3120 B	0.03
		Chloride	308 mg/L	APHA 4110 B	1
		Conductivity	1380 µS/cm	APHA 2510 B	1
		Total Hardness as CaCO ₃	416 mg/L	APHA 2340 B	2
		Magnesium (dissolved)	59.1 mg/L	APHA 3030 B/3120 B	0.02
		Nitrate/Nitrite as N	5 mg/L	APHA 4110 B	1

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

Monday, September 8, 2014



NATA Accredited Laboratory
Number: 9597

*This document is issued in accordance with
NATA's accreditation requirements. Accredited
for compliance with ISO/IEC 17025. This
document shall not be reproduced, except in full.*

LABORATORY ANALYSIS REPORT

Report Number: 1408-0116

Page 2 of 4

For all enquiries related to this report please quote document number: 1408-0116

<u>Facility:</u>	<u>Order #</u>	<u>Date Received</u>
Water	P Paradise	29-August-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>
14Aug-0512	8320 - FB 27.08.14	Phosphorus, Total	0.02 mg/L	APHA 4500-P B5/4500-P E	0.01
		pH	7.0 pH units	APHA 4500-H+ B	
		Potassium (dissolved)	2.2 mg/L	APHA 3030 B/3120 B	0.2
		Sodium (dissolved)	138 mg/L	APHA 3030 B/3120 B	0.05
		Sulphate	46 mg/L	APHA 4110 B	5
14Aug-0513	8320 - AB5 27.08.14	Alkalinity, Bicarbonate as CaCO ₃	176 mg/L	APHA 2320 B	2
		Ammonia as N	<0.2 mg/L	APHA 4500-NH ₃ F	0.2
		Calcium (dissolved)	31.2 mg/L	APHA 3030 B/3120 B	0.03
		Chloride	94 mg/L	APHA 4110 B	1
		Conductivity	701 µS/cm	APHA 2510 B	1
		Total Hardness as CaCO ₃	198 mg/L	APHA 2340 B	2
		Magnesium (dissolved)	29.3 mg/L	APHA 3030 B/3120 B	0.02
		Nitrate/Nitrite as N	1 mg/L	APHA 4110 B	1
		Phosphorus, Total	0.06 mg/L	APHA 4500-P B5/4500-P E	0.01
		pH	7.3 pH units	APHA 4500-H+ B	
		Potassium (dissolved)	0.6 mg/L	APHA 3030 B/3120 B	0.2
		Sodium (dissolved)	83.2 mg/L	APHA 3030 B/3120 B	0.05
		Sulphate	33 mg/L	APHA 4110 B	5
14Aug-0514	8320 - AB6 27.08.14	Alkalinity, Bicarbonate as CaCO ₃	122 mg/L	APHA 2320 B	2
		Ammonia as N	<0.2 mg/L	APHA 4500-NH ₃ F	0.2

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

Monday, September 8, 2014



NATA Accredited Laboratory
Number: 9597

*This document is issued in accordance with
NATA's accreditation requirements. Accredited
for compliance with ISO/IEC 17025. This
document shall not be reproduced, except in full.*

LABORATORY ANALYSIS REPORT

Report Number: 1408-0116

Page 3 of 4

For all enquiries related to this report please quote document number: 1408-0116

<u>Facility:</u>	<u>Order #</u>	<u>Date Received</u>
<u>Sample Type</u>	<u>Collected By</u>	
Water	P Paradise	29-August-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>
14Aug-0514	8320 - AB6 27.08.14	Calcium (dissolved)	16.6 mg/L	APHA 3030 B/3120 B	0.03
		Chloride	50 mg/L	APHA 4110 B	1
		Conductivity	433 µS/cm	APHA 2510 B	1
		Total Hardness as CaCO ₃	105 mg/L	APHA 2340 B	2
		Magnesium (dissolved)	15.5 mg/L	APHA 3030 B/3120 B	0.02
		Nitrate/Nitrite as N	<1 mg/L	APHA 4110 B	1
		Phosphorus, Total	0.05 mg/L	APHA 4500-P B5/4500-P E	0.01
		pH	7.6 pH units	APHA 4500-H+ B	
		Potassium (dissolved)	0.7 mg/L	APHA 3030 B/3120 B	0.2
		Sodium (dissolved)	56.0 mg/L	APHA 3030 B/3120 B	0.05
		Sulphate	17 mg/L	APHA 4110 B	5

Note:

*NATA accreditation not held for tests marked with **

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

Monday, September 8, 2014



NATA Accredited Laboratory
Number: 9597

*This document is issued in accordance with
NATA's accreditation requirements. Accredited
for compliance with ISO/IEC 17025. This
document shall not be reproduced, except in full.*

LABORATORY ANALYSIS REPORT

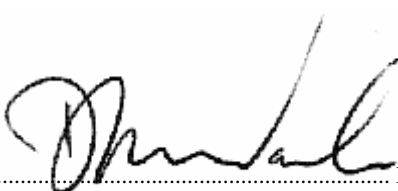
Report Number: 1408-0116

Page 4 of 4

For all enquiries related to this report please quote document number: 1408-0116

<u>Facility:</u>	<u>Order #</u>	<u>Date Received</u>
<u>Sample Type</u>	<u>Collected By</u>	
Water	P Paradise	29-August-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>
---------------	---	-------------	-----------------------	-------------------------	---------------------------

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.
This report shall not be reproduced except in full.
This report replaces any previously issued report*