

Macquarie Gold Ltd
c/- 'Willowie' Delegate Road
Bombala NSW 2632
Attention: Mike Walcott

Wednesday, November 18, 2015



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: 1511-0036

Page 1 of 4

For all enquiries related to this report please quote document number: 1511-0036

Facility:	Order #	Job Order 122
Sample Type	Collected By	Date Received
Water	M Maher	09-November-2015

<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>
15Nov-0131	#3 Goodwin Dam Spillway 05.11.15 9.30am	Alkalinity, Total as CaCO3	98 mg/L	APHA 2320 B	2
		Aluminium (acid extractable)	2.07 mg/L	APHA 3030 E/3120 B	0.03
		Arsenic (acid extractable)	<0.002 mg/L	APHA 3030 E/3120 B	0.02
		Biochemical Oxygen Demand	<2 mg/L	APHA 5210 B/4500-O G	2
		Boron (acid extractable)	<0.02 mg/L	* APHA 3030 E/3120 B	0.02
		Cadmium (acid extractable)	<0.002 mg/L	APHA 3030 E/3120 B	0.002
		Calcium (acid extractable)	39.6 mg/L	APHA 3030 E/3120 B	0.03
		Chloride	5.1 mg/L	APHA 4110 B	0.1
		Chromium (acid extractable)	<0.002 mg/L	APHA 3030 E/3120 B	0.002
		Cobalt (acid extractable)	<0.003 mg/L	* APHA 3030 E/3120 B	0.003
		Copper (acid extractable)	0.013 mg/L	APHA 3030 E/3120 B	0.002
		Cyanide	0.014 mg/L	* APHA 4500-CN E	0.002
		Conductivity	448 µS/cm	APHA 2510 B	1
		Fluoride	0.5 mg/L	APHA 4110 B	0.1
		Total Hardness as CaCO3	160 mg/L	APHA 2340 B	2
		Iron (acid extractable)	1.10 mg/L	APHA 3030 E/3120 B	0.01
		Lead (acid extractable)	<0.01 mg/L	APHA 3030 E/3120 B	0.01
		Magnesium (acid extractable)	14.8 mg/L	APHA 3030 E/3120 B	0.02
		Manganese (acid extractable)	0.048 mg/L	APHA 3030 E/3120 B	0.001
		Mercury	<0.0001 mg/L	Analysis by Ecowise, Melbourne (acc no: 992)	
		Molybdenum (acid extractable)	<0.01 mg/L	* APHA 3030 E/3120 B	0.01
		Nickel (acid extractable)	<0.01 mg/L	APHA 3030 E/3120 B	0.01

Macquarie Gold Ltd
c/- 'Willowie' Delegate Road
Bombala NSW 2632
Attention: Mike Walcott

Wednesday, November 18, 2015



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: 1511-0036

Page 2 of 4

For all enquiries related to this report please quote document number: 1511-0036

Facility:	Order # Job Order 122
Sample Type	Collected By M Maher
Water	Date Received 09-November-2015

<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>
15Nov-0131	#3 Goodwin Dam Spillway 05.11.15 9.30am	Oil & Grease	3 mg/L	APHA 5520 D	1
		Phosphorus	<0.02 mg/L	APHA 3030 E/3120 B	0.02
		pH	7.8 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	2.7 mg/L	APHA 3030 E/3120 B	0.2
		Sodium Adsorption Ratio	1 Ratio	LTM-W-039	
		Selenium (acid extractable)	0.03 mg/L	APHA 3030 E/3120 B	0.02
		Sodium (acid extractable)	15.3 mg/L	APHA 3030 E/3120 B	0.05
		Sulphur (acid extractable)	32.0 mg/L	* APHA 3030 E/3120 B	0.06
		Total Suspended Solids	33 mg/L	APHA 2540 D	2
		Turbidity	27 NTU	APHA 2130 B	1
		Zinc (acid extractable)	0.008 mg/L	APHA 3030 E/3120 B	0.002
15Nov-0132	Potable 05.11.15 10.00am	Alkalinity, Total as CaCO ₃	42 mg/L	APHA 2320 B	2
		Aluminium (acid extractable)	0.36 mg/L	APHA 3030 E/3120 B	0.03
		Arsenic	<0.001 mg/L	Analysis by Ecowise, Melbourne (acc no: 992)	
		Biochemical Oxygen Demand	<2 mg/L	APHA 5210 B/4500-O G	2
		Boron (acid extractable)	<0.02 mg/L	* APHA 3030 E/3120 B	0.02
		Cadmium (acid extractable)	<0.002 mg/L	APHA 3030 E/3120 B	0.002
		Calcium (acid extractable)	5.47 mg/L	APHA 3030 E/3120 B	0.03
		Chloride	4.6 mg/L	APHA 4110 B	0.1
		Chromium (acid extractable)	<0.002 mg/L	APHA 3030 E/3120 B	0.002

Macquarie Gold Ltd
c/- 'Willowie' Delegate Road
Bombala NSW 2632
Attention: Mike Walcott

Wednesday, November 18, 2015



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: 1511-0036

Page 3 of 4

For all enquiries related to this report please quote document number: 1511-0036

Facility:	Order # Job Order 122
Sample Type	Collected By M Maher
Water	Date Received 09-November-2015

<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>
15Nov-0132	Potable 05.11.15 10.00am				
		Cobalt (acid extractable)	<0.003 mg/L	* APHA 3030 E/3120 B	0.003
		Copper (acid extractable)	0.084 mg/L	APHA 3030 E/3120 B	0.002
		Cyanide	<0.002 mg/L	* APHA 4500-CN E	0.002
		Conductivity	90 µS/cm	APHA 2510 B	1
		Fluoride	0.9 mg/L	APHA 4110 B	0.1
		Total Hardness as CaCO ₃	21 mg/L	APHA 2340 B	2
		Iron (acid extractable)	0.28 mg/L	APHA 3030 E/3120 B	0.01
		Lead (acid extractable)	0.02 mg/L	APHA 3030 E/3120 B	0.01
		Magnesium (acid extractable)	1.84 mg/L	APHA 3030 E/3120 B	0.02
		Manganese (acid extractable)	0.043 mg/L	APHA 3030 E/3120 B	0.001
		Mercury	<0.0001 mg/L	Analysis by Ecowise, Melbourne (acc no: 992)	
		Molybdenum (acid extractable)	<0.01 mg/L	* APHA 3030 E/3120 B	0.01
		Nickel (acid extractable)	<0.01 mg/L	APHA 3030 E/3120 B	0.01
		Oil & Grease	1 mg/L	APHA 5520 D	1
		Phosphorus	<0.02 mg/L	APHA 3030 E/3120 B	0.02
		pH	7.1 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	0.7 mg/L	APHA 3030 E/3120 B	0.2
		Sodium Adsorption Ratio	1 Ratio	LTM-W-039	
		Selenium (acid extractable)	<0.02 mg/L	APHA 3030 E/3120 B	0.02
		Sodium (acid extractable)	7.01 mg/L	APHA 3030 E/3120 B	0.05
		Sulphur (acid extractable)	0.68 mg/L	* APHA 3030 E/3120 B	0.06
		Total Suspended Solids	8 mg/L	APHA 2540 D	2

Macquarie Gold Ltd
c/- 'Willowie' Delegate Road
Bombala NSW 2632
Attention: Mike Walcott

Wednesday, November 18, 2015



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: 1511-0036

Page 4 of 4

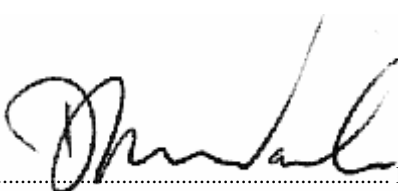
For all enquiries related to this report please quote document number: 1511-0036

Facility:	Order # Job Order 122
Sample Type	Collected By M Maher
Water	Date Received 09-November-2015

<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>
15Nov-0132	Potable 05.11.15 10.00am	Turbidity	2 NTU	APHA 2130 B	1
		Zinc (acid extractable)	0.445 mg/L	APHA 3030 E/3120 B	0.002

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