

**Cootamundra Gundagai Regional Council**

Monday, September 4, 2023

**PO Box 420**

**Cootamundra NSW 2590**

**Attention: Andrew Brock**



**NATA Accredited Laboratory  
Number: 9597**

**Accredited for compliance with  
ISO/IEC 17025 - Testing**

## LABORATORY ANALYSIS REPORT

**Report Number: 2307-0013**

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*For all enquiries related to this report please quote document number: 2307-0013*

<u>Facility:</u>	<u>Order #</u>	<u>Date Analysis Commenced</u>			
		06-July-2023			
<u>Sample Type</u>	<u>Collected By</u>	<u>Date Received</u>			
Groundwater	Client	06-July-2023			
<u>EAL ID</u>	<u>Client ID.</u>	<u>Test</u>	<u>Result (units)</u>	<u>Method Reference</u>	<u>Limit of Reporting</u>
23Jul-0050	<b>Tip Dam 1 Surface (EPA Pt1)</b> 04.07.23 7.35am	<b>Alkalinity, Total as CaCO3</b>	<b>123</b> mg/L	APHA 2320 B	2
		<b>Ammonia as N</b>	<b>0.8</b> mg/L	LTM-W-042	0.1
		<b>Calcium (acid extractable)</b>	<b>80.7</b> mg/L	APHA 3030 E/3120 B	2
		<b>Chloride</b>	<b>805</b> mg/L	APHA 4110 B	1
		<b>Total Chlorinated Volatile Compounds</b>	<b>&lt;0.002</b> mg/L	Analysis by ALS Melb. (acc no. 992)	0.001
		<b>Conductivity</b>	<b>3010</b> µS/cm	APHA 2510 B	1
		<b>Fluoride</b>	<b>&lt;1</b> mg/L	APHA 4110 B	1
		<b>Iron (acid extractable)</b>	<b>0.64</b> mg/L	APHA 3030 E/3120 B	0.01
		<b>Magnesium (acid extractable)</b>	<b>40.1</b> mg/L	APHA 3030 E/3120 B	2
		<b>Manganese (acid extractable)</b>	<b>0.923</b> mg/L	APHA 3030 E/3120 B	0.001
		<b>Nitrate as N</b>	<b>&lt;1</b> mg/L	LTM-W-022	1
		<b>Phenolics - Total</b>	<b>0.4</b> mg/L	* APHA 5530 D	0.2
		<b>pH</b>	<b>7.2</b> pH units	APHA 4500-H+ B	
		<b>Potassium (acid extractable)</b>	<b>42.8</b> mg/L	APHA 3030 E/3120 B	2
		<b>Sodium (acid extractable)</b>	<b>396</b> mg/L	APHA 3030 E/3120 B	20
		<b>Refer to ALS Report Number:</b>	<b>23-43061</b>	Analysis by ALS, Melbourne (acc no. 992)	
		<b>Sulphate</b>	<b>57</b> mg/L	APHA 4110 B	5
		<b>Total Organic Carbon</b>	<b>16</b> mg/L	Analysis by ALS Melbourne (acc no. 992)	
		<b>Total Suspended Solids</b>	<b>30</b> mg/L	APHA 2540 D	2
23Jul-0051	<b>Tip Dam 2 Surface (EPA Pt4)</b> 04.07.23 7.53am				

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<u>Facility:</u>	<u>Order #</u>	<u>Date Analysis Commenced</u>
		06-July-2023

<u>Sample Type</u>	<u>Collected By</u>	<u>Date Received</u>
Groundwater	Client	06-July-2023

<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>
23Jul-0051	<b>Tip Dam 2 Surface (EPA Pt4)</b> 04.07.23 7.53am	<b>Cyanide</b>	<b>0.002</b> mg/L	* APHA 4500-CN E	0.002
		<b>Phenolics - Total</b>	<b>0.8</b> mg/L	* APHA 5530 D	0.2
		<b>Refer to ALS Report Number:</b>	<b>23-43061</b>	Analysis by ALS, Melbourne (acc no. 992)	
23Jul-0052	<b>Tip Dam 3 Surface (EPA Pt5)</b> 04.07.23 7.47am	<b>Cyanide</b>	<b>0.010</b> mg/L	* APHA 4500-CN E	0.002
		<b>Phenolics - Total</b>	<b>0.6</b> mg/L	* APHA 5530 D	0.2
		<b>Refer to ALS Report Number:</b>	<b>23-43061</b>	Analysis by ALS, Melbourne (acc no. 992)	
23Jul-0053	<b>Tip Dam 4 Surface (Pending)</b> 04.07.23 7.27am	<b>Alkalinity, Total as CaCO3</b>	<b>182</b> mg/L	APHA 2320 B	2
		<b>Ammonia as N</b>	<b>6.4</b> mg/L	LTM-W-042	0.1
		<b>Calcium (acid extractable)</b>	<b>110</b> mg/L	APHA 3030 E/3120 B	2
		<b>Chloride</b>	<b>1420</b> mg/L	APHA 4110 B	1
		<b>Total Chlorinated Volatile Compounds</b>	<b>&lt;0.002</b> mg/L	Analysis by ALS Melb. (acc no. 992)	0.001
		<b>Conductivity</b>	<b>4950</b> µS/cm	APHA 2510 B	1
		<b>Fluoride</b>	<b>&lt;1</b> mg/L	APHA 4110 B	1
		<b>Iron (acid extractable)</b>	<b>1.28</b> mg/L	APHA 3030 E/3120 B	0.01
		<b>Magnesium (acid extractable)</b>	<b>50.9</b> mg/L	APHA 3030 E/3120 B	2
		<b>Manganese (acid extractable)</b>	<b>3.00</b> mg/L	APHA 3030 E/3120 B	0.001
		<b>Nitrate as N</b>	<b>&lt;1</b> mg/L	LTM-W-022	1

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Groundwater	Client	06-July-2023			
<u>EAL ID</u>	<u>Client ID.</u>	<u>Test</u>	<u>Result (units)</u>	<u>Method Reference</u>	<u>Limit of Reporting</u>
23Jul-0053	<b>Tip Dam 4 Surface (Pending)</b> 04.07.23 7:27am	<b>Phenolics - Total</b>	<b>0.5</b> mg/L	* APHA 5530 D	0.2
		<b>pH</b>	<b>7.2</b> pH units	APHA 4500-H+ B	
		<b>Potassium (acid extractable)</b>	<b>70.2</b> mg/L	APHA 3030 E/3120 B	2
		<b>Sodium (acid extractable)</b>	<b>729</b> mg/L	APHA 3030 E/3120 B	20
		<b>Refer to ALS Report Number:</b>	<b>23-43061</b>	Analysis by ALS, Melbourne (acc no: 992)	
		<b>Sulphate</b>	<b>76</b> mg/L	APHA 4110 B	5
		<b>Total Organic Carbon</b>	<b>27</b> mg/L	Analysis by ALS Melbourne (acc no: 992)	
		<b>Total Suspended Solids</b>	<b>37</b> mg/L	APHA 2540 D	2

**Note:**

*\* NATA Accreditation does not cover the performance of this service.*



**Charles Sturt  
University**

**ENVIRONMENTAL AND ANALYTICAL  
LABORATORIES**

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Signed ..... Michael Glazier, 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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