



Analysis and Testing Report - Walker Quarries Quarterly Groundwater & Surface Monitoring, May 2024

Report To: Wayne Chapman

Address: Lot 6 Great Western Highway,
Wallerawang NSW 2845

Report On: Walker Quarries
Quarterly Groundwater & Surface
Monitoring, May 2024

Report No: 2400-7420-05

Report Status: Final Report

Date Sampled: 10/05/2024


Unique ID of Sample(s): As per Result tab

Sampled By: L. Pyne & C. Buck

Testing & Analysis Requirements: Client Instructions

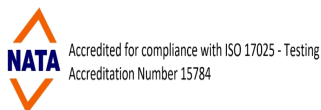
Report Prepared By: Trudie MacPhee

Date Reported: 23/05/2024

Reported By : 
Adriana Hernandez
Environmental Project/Quality Officer -
Lithgow NSW

These reported results only relate to the items sampled and tested.

Sampling performed by: ACIRL Lithgow NSW NATA Accreditation No. 15784, Site No. 11436 in accordance with AS Standards listed on Page 4.



right solutions.
right partner.

ACIRL Lithgow NSW
ABN 66 003 451 876



**Analysis and Testing Report-
Walker Quarries
Quarterly Groundwater Monitoring**

	Units							
Date of Sample		10/05/2025						
Report No:		ES2415792						
ALS Sydney Report No.		2400-7420-05						
Site Reference		SD3 Cox River Downstream	SD4 Upstream	SD1	SB2	GW1	GW2	GW3
Sampled by		L. Pyne & C. Buck						
General Comments/ Observations		Clear, Low Flow	Clear, Low Flow	Cloudy, Low level	Cloudy, Low level	Not sampled as per clients request		
Standing Water Level	m							
Total Volume Purged	L							
pH	pH Unit	7.5	7.5	7.6	7.6			
Electrical Conductivity	µS/cm	386	584	287	85			
Total Suspended Solids	mg/L	<5	<5	28	16			
Turbidity	NTU-	2.4	3.8	55	25			
Sulfate (Turbidimetric) as SO4								
Sulfate as SO4 - Turbidimetric	mg/L	105	164	108	16			
Dissolved Metals by ICP-MS								
Arsenic	mg/L	<0.001	0.001					
Cadmium	mg/L	<0.0001	<0.0001					
Chromium	mg/L	<0.001	<0.001					
Copper	mg/L	<0.001	0.004					
Lead	mg/L	<0.001	<0.001					
Nickel	mg/L	0.008	0.013					
Zinc	mg/L	<0.005	<0.005					
Dissolved Mercury by FIMS								
Mercury	mg/L	<0.0001	<0.0001					
Oil and Grease (O&G)								
Oil & Grease	mg/L	<5	<5					



Analysis and Testing Report- Walker Quarries Bi Annual Groundwater Monitoring

METHODS OF ANALYSIS

Tests for results issued in this report have been carried out at the following NATA accredited laboratories in accordance with the methods as detailed below:-

TEST	METHOD	ACIRL Lithgow NATA Accreditation #11436	Measure of Uncertainty
Electrical Conductivity uS/cm	CBM-E006	APHA 2510 B	2.0%
pH value	CBM-E005	APHA 4500 H	0.10 pH Units

The remaining analysis performed at ALS Environmental, 277-289 Woodpark Rd, Smithfield, NSW 2164.

Low yielding bores have been purged to dryness, otherwise bores purged to constant Electrical Conductivity

Report No: ES2415792
ALS Sydney Report No. 2400-7420-05

Samples were analysed in accordance with the following Australian Standards or equivalent:

Australian Standards	Description
AS/NZS 5667.1	Part 1: Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples
ISO 5667-3	Part 3: Preservation and handling of water samples
AS/NZS 5667.11	Part 11: Guidance on sampling of ground waters