



# Analysis and Testing Report - Walker Quarries Bi Annual Groundwater & Surface Monitoring, February 2024

Report To: Wayne Chapman

Address: Lot 6 Great Western Highway,  
Wallerawang NSW 2845

Report On: Walker Quarries  
Bi Annual Groundwater & Surface  
Monitoring, February 2024

Report No: 2400-7420-02-01

Report Status: Final Report

Date Sampled: 9/02/2024


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

Sampled By: L. Pyne & J. Sharp

Testing & Analysis Requirements: Client Instructions

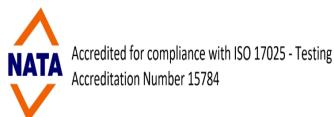
Report Prepared By: Trudie MacPhee

Date Reported: 5/03/2024

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  
Bi Annual Groundwater Monitoring**

	Units							
Date of Sample		9/02/2024						
Report No:		2400-7420-02-01						
ALS Sydney Report No.		ES2404478						
Site Reference		SD3 Cox River Downstream	SD4 Upstream	SD1	SB2	GW1	GW2	GW3
Sampled by		L. Pyne & J. Sharp						
General Comments/ Observations		Mod flow Clear	Mod flow Clear	Mod level Cloudy	Mod level Cloudy	Not sampled as per clients request		
Standing Water Level	m							
Total Volume Purged	L							
pH	pH Unit	7.0	7.2	6.3	6.3			
Electrical Conductivity	µS/cm	479	639	249	72			
Total Suspended Solids	mg/L	8	<5	53	72			
Turbidity	NTU-	3	2	104	38			
Sulfate (Turbidimetric) as SO4								
Sulfate as SO4 - Turbidimetric	mg/L	123	167	67	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	<0.001					
Lead	mg/L	<0.001	<0.001					
Nickel	mg/L	0.01	0.016					
Zinc	mg/L	0.005	0.006					
Dissolved Mercury by FIMS								
Mercury	mg/L	<0.0001	<0.0001					
Oil and Grease (O&G)								
Oil & Grease	mg/L	<5	<5					



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### 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

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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