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**ALS Coal Division**  
**WALKER QUARRIES ANALYSIS AND TESTING REPORT**

**REPORT TO:** Wayne Chapman  
Lot 6 Great Western Highway,  
Wallerawang NSW 2845

**REPORT ON:** Monthly Surfaces Sample  
Nov-23

**REPORT NO:** 2400-7303-04

**SAMPLED BY:** B. Collins & L. Pyne

**REPORTED BY:** T.MacPhee

**REPORT DATE:** 21/11/2023

These reported results only relate to the items sampled and tested

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

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Adriana Hernandez  
Environmental Project/Quality Officer– Lithgow NSW



Accredited for compliance with ISO 17025 - Testing  
Accreditation Number 15784

right solutions.  
right partner.



ALS Coal Division  
WALKER QUARRIES ANALYSIS AND TESTING REPORT

	Units				
Date of Sample		10/11/2023			
REPORT NO:		2400-7307-04			
ALS Sydney Report No.		ES2339302			
Site Reference		SD3 Cox river D/S	SD4 U/S	SD1	SB2
Sampled by		B. Collins & L. Pyne			
General Comments/ Observations		Clear	Clear	Clear	Cloudy
pH	pH Unit	6.6	6.7	8.7	7.6
Electrical Conductivity	µS/cm	69	69	80	72
Turbidity		4.7	3.8	16	144
Suspended Solids SS		5	<5	10	165
Sulfate (Turbidimetric) as SO4					
Sulfate as SO4 - Turbidimetric	mg/L	178	178	184	177



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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

REPORT NO: 2400-7303-04  
ALS REPORT NO: ES2339302

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