



**ALS AIRBORNE DUST AND WATER
ANALYSIS AND TESTING REPORT**

REPORT TO: Walker Quarries

REPORT ON: Walker Quarries
Dust & Water Results

REPORT NO: 24005760

PERIOD OF EXPOSURE: Dust - Typically 30 days +/- 2 days
Water - Monthly

SAMPLED BY: ALS Staff

REPORTED BY: Natalie McMillan

REPORT DATE: 19-September-2016



Accreditation # 15784
Site # 11436

Accredited for compliance with ISO/IEC 17025.

This document will not be reproduced except in full.

ACIRL Pty Ltd
ABN 41 000 513 888
Part of the ALS Laboratory Group
Unit 3, 16 Donald Street
LITHGOW NSW 2790
Phone +61 2 6350 7400 Fax +61 2 6352 3583 www.alsglobal.com
A Campbell Brothers Limited Company

**ALS AIRBORNE DUST
ANALYSIS AND TESTING REPORT**



WALKER QUARRY

Month Sep-16
Date Replaced 8/08/2016
Date Collected 9/09/2016

DUST DEPOSITION RESULTS

(g/m²/month)

<u>GAUGE NO.</u>	<u>INSOLUBLE SOLIDS</u>	<u>*COMBUSTIBLE MATTER</u>	<u>**ASH</u>
DG#1	<0.1	<0.1	<0.1
DG#2	1.5	1.2	0.3
DG#3	<0.1	<0.1	<0.1
DG#4	0.9	0.5	0.4

No. of days exposed: 32

* Result Calculated

** Incombustible Matter

Analysed in accordance with AS3580.10.1

**ALS AIRBORNE DUST
ANALYSIS AND TESTING REPORT**



WALKER QUARRY

Month Sep-16
Date Replaced 8/08/2016
Date Collected 9/09/2016

DUST GAUGE OBSERVATION

GAUGE	ANALYSIS OBSERVATIONS
DG#1	Clear, insects, organic matter, fine brown/grey dust & coarse brown/black dust
DG#2	Slightly cloudy, insects, organic matter, fine brown/green dust & coarse brown/black dust
DG#3	Clear, insects, organic matter, fine brown dust & coarse brown/black dust
DG#4	Clear, insects, organic matter, fine brown dust & coarse brown/black dust

**ALS WATER
ANALYSIS AND TESTING REPORT**



WALKER QUARRY

	Units		
ALS Sydney Report No.		ES1620353	
Date of Sample		12/09/2016	
Site Reference		Cox's U/S	Cox's D/S
Site Reference		SD3	SD4
Sampled by		J. Takahira & C. Roach	
General Comments/ Observations		Clear, High Flow	Clear, High Flow
Time	24 Hr	11:45	13:10
Temperature	°C	14.7	14.1
pH	pH Unit	7.66	8.48
Electrical Conductivity	µS/cm	597	593
Total Suspended Solids	mg/L	<5	<5
Sulphur Sulphate (SO ₄)	mg/L	144	143
Dissolved Metals by ICP-MS			
Manganese	mg/L	0.094	0.062
Iron	mg/L	0.22	0.25
Oil & Grease	mg/L	<5	<5

**ALS WATER
ANALYSIS AND TESTING REPORT**



WALKER QUARRY

	Units		
ALS Sydney Report No.		ES1620353	
Date of Sample		12/09/2016	
Site Reference		Main Storage Dam	Bottom Working Dam
Sampled by		Client	
General Comments/ Observations		Cloudy	Cloudy
Time	24 Hr	10:00	11:30
Temperature	°C	17.8	17.8
pH	pH Unit	7.71	7.26
Electrical Conductivity	µS/cm	72	24
Total Suspended Solids	mg/L	160	64
Sulphur Sulphate (SO ₄)	mg/L	7	3
Dissolved Metals by ICP-MS			
Manganese	mg/L	0.017	0.024
Iron	mg/L	0.40	0.25
Oil & Grease	mg/L	<5	<5

