

CERTIFICATE OF ANALYSIS

Page **Work Order** : EW2500798 : 1 of 4

Client : WINGECARRIBEE SHIRE COUNCIL Laboratory : Environmental Division NSW South Coast

Contact : Resource Contact : Aneta Prosaroski

Address Address : 1/19 Ralph Black Dr, North Wollongong 2500 NSW Australia : PO BOX 141

MOSSVALE NSW

AUSTRALIA

Telephone Telephone : +61 2 4225 3125 Project : Welby Quarterly Surface Water **Date Samples Received** : 14-Feb-2025 16:05

: 00268671 Order number Date Analysis Commenced : 14-Feb-2025

C-O-C number Issue Date

Sampler : Michael Santos

Site

Quote number : EW24WINSHI0001

No. of samples received : 8 No. of samples analysed . 8



: 24-Feb-2025 17:44

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with **Quality Review and Sample Receipt Notification.**

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	Position	Accreditation Category

Ankit Joshi Senior Chemist - Inorganics Sydney Inorganics, Smithfield, NSW Laboratory - Wollongong, NSW Robert DaLio Sampler

Page : 2 of 4
Work Order : EW2500798

Client : WINGECARRIBEE SHIRE COUNCIL

Project : Welby Quarterly Surface Water

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key: CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

LOR = Limit of reporting

- ^ = This result is computed from individual analyte detections at or above the level of reporting
- ø = ALS is not NATA accredited for these tests.
- ~ = Indicates an estimated value.
- EP030: BOD LCS Low Recovery <170 mg/L: LCS recovery below recommended APHA limits of the certified +/-30.5 mg/L; BOD results may bias low.
- pH performed by ALS Wollongong via in-house method EA005FD and EN67 PK.
- Electrical conductivity performed by ALS Wollongong via in-house method EA010FD and EN67 PK.
- ORP (Oxidation Reduction Potential) performed by ALS Wollongong via in-house method EA075FD and EN67 PK.
- Sampling completed by ALS Wollongong in accordance with in-house sampling method EN/67.6 Rivers and Streams.
- Dissolved oxygen (DO) performed by ALS Wollongong via in-house method EP025FD and EN67 PK.
- All field analysis performed by ALS Wollongong were completed at the time of sampling.
- Sampling completed by ALS Wollongong in accordance with in-house sampling method EN/67.4 Lakes and Reservoirs

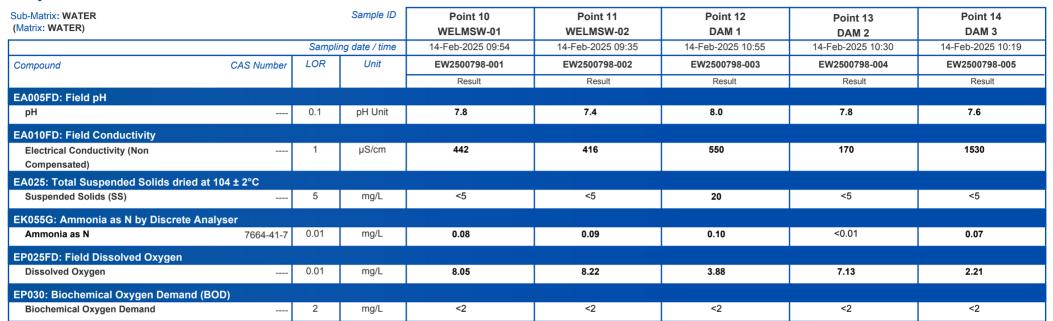


Page : 3 of 4
Work Order : EW2500798

Client : WINGECARRIBEE SHIRE COUNCIL

Project : Welby Quarterly Surface Water

Analytical Results



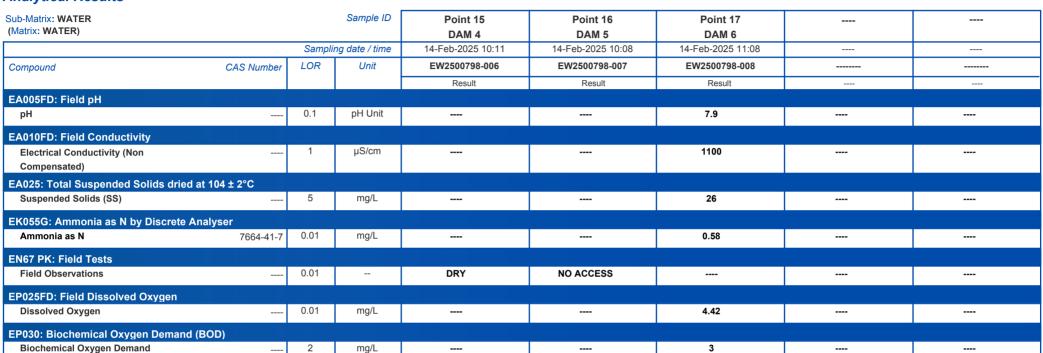


Page : 4 of 4 Work Order : EW2500798

Client : WINGECARRIBEE SHIRE COUNCIL

Project : Welby Quarterly Surface Water

Analytical Results



Inter-Laboratory Testing

Analysis conducted by ALS Sydney, NATA accreditation no. 825, site no. 10911 (Chemistry / Biology).

(WATER) EP030: Biochemical Oxygen Demand (BOD) (WATER) EK055G: Ammonia as N by Discrete Analyser (WATER) EA025: Total Suspended Solids dried at 104 \pm 2°C

