



# April 2025 - Groundwater, Surface Water, Surface Gas, Sub-Surface Gas, and Gas Accumulation Monitoring Results

|     | Field   |         |                                 |            |                                           |            |              | Inorganics   |                             |      |          |                   |      |
|-----|---------|---------|---------------------------------|------------|-------------------------------------------|------------|--------------|--------------|-----------------------------|------|----------|-------------------|------|
|     | Methane | Methane | Depth to groundwater (measured) | DO (Field) | Electrical Conductivity (Non Compensated) | pH (Field) | Temp (Field) | Ammonia as N | Alkalinity (total) as CaCO3 | BOD  | Chloride | Sodium (filtered) | TOC  |
|     | %v/v    | ppm     | m                               | mg/L       | µS/cm                                     | -          | oC           | mg/L         | mg/L                        | mg/L | mg/L     | mg/L              | mg/L |
| EQL |         |         |                                 |            |                                           |            |              | 0.01         | 1                           | 2    | 1        | 1                 | 1    |

| Site ID | EPL No. | Location Code      | Sampled Date |   |         |       |      |       |      |      |       |     |    |    |    |    |
|---------|---------|--------------------|--------------|---|---------|-------|------|-------|------|------|-------|-----|----|----|----|----|
| Woy Woy | 8       | W_S01              | 08 Apr 2025  | - | -       | -     | 4.18 | 247.4 | 4.34 | 17.7 | <0.01 | -   | <2 | -  | -  | 4  |
| Woy Woy | 9       | W_S02              | 08 Apr 2025  | - | -       | -     | 7.32 | 249.1 | 4.78 | 17.4 | 0.01  | -   | 2  | -  | -  | 4  |
| Woy Woy | 10      | W_S03              | 08 Apr 2025  | - | -       | -     | 5.16 | 463.7 | 6.25 | 21.7 | 1.52  | -   | 4  | -  | -  | 2  |
| Woy Woy | 12      | W_S05              | 08 Apr 2025  | - | -       | -     | 1.94 | 441   | 6.32 | 20.5 | 0.68  | -   | 9  | -  | -  | 13 |
| Woy Woy | 13      | W_S07              | 08 Apr 2025  | - | -       | -     | 5.47 | 273   | 4.47 | 22.3 | <0.01 | -   | 2  | -  | -  | 7  |
| Woy Woy | 14      | W_S08              | 08 Apr 2025  | - | -       | -     | 5.83 | 481   | 5.93 | 20.4 | 0.14  | -   | 4  | -  | -  | 14 |
| Woy Woy | 1/ 17   | W_WW1              | 08 Apr 2025  | 0 | -       | 1.96  | 1.93 | 385.4 | 5.44 | 22.3 | 0.02  | 6   | -  | 59 | 36 | 2  |
| Woy Woy | 2/ 18   | W_WW2              | 08 Apr 2025  | 0 | -       | 1.856 | 3.72 | 401.9 | 4.55 | 20.2 | <0.01 | 11  | -  | 83 | 42 | <1 |
| Woy Woy | 3/ 19   | W_WW3              | 08 Apr 2025  | 0 | -       | 2.645 | 1.23 | 483   | 5.47 | 20.2 | 0.03  | 42  | -  | 72 | 54 | 2  |
| Woy Woy | 5/ 21   | W_WW6              | 08 Apr 2025  | 0 | -       | 6.16  | 1.65 | 542.1 | 3.27 | 20.3 | 0.08  | 105 | -  | 28 | 25 | 17 |
| Woy Woy | 6/ 22   | W_WW7              | 08 Apr 2025  | 0 | -       | 6.47  | 1.22 | 420   | 4    | 19.8 | 0.02  | <1  | -  | 62 | 48 | 2  |
| Woy Woy | 24      | Traverse 1         | 24 Apr 2025  | - | 2,000*  | -     | -    | -     | -    | -    | -     | -   | -  | -  | -  | -  |
| Woy Woy | 25      | Traverse 2         | 24 Apr 2025  | - | 31,000* | -     | -    | -     | -    | -    | -     | -   | -  | -  | -  | -  |
| Woy Woy | 26      | Traverse 3         | 24 Apr 2025  | - | 31,000* | -     | -    | -     | -    | -    | -     | -   | -  | -  | -  | -  |
| Woy Woy | 27      | Traverse 4         | 24 Apr 2025  | - | 19,000* | -     | -    | -     | -    | -    | -     | -   | -  | -  | -  | -  |
| Woy Woy | 28      | Traverse 5         | 24 Apr 2025  | - | 300*    | -     | -    | -     | -    | -    | -     | -   | -  | -  | -  | -  |
| Woy Woy | 31      | Lunch Room         | 24 Apr 2025  | - | <5*     | -     | -    | -     | -    | -    | -     | -   | -  | -  | -  | -  |
| Woy Woy | 32      | Maintenance Shed   | 24 Apr 2025  | - | <5*     | -     | -    | -     | -    | -    | -     | -   | -  | -  | -  | -  |
| Woy Woy | 33      | Weighbridge Office | 24 Apr 2025  | - | <5*     | -     | -    | -     | -    | -    | -     | -   | -  | -  | -  | -  |

Notes: \* denotes maximum concentration reported at each location

A copy of the Environment Protection Licence (EPL) can be viewed at:

[6053.pdf \(nsw.gov.au\)](#)

Condition M2.2 - Air Monitoring Requirements - Monthly Surface Gas, Quarterly Sub-Surface Gas, and Quarterly Gas Accumulation.

Condition M2.3 - Water and/ or Land Monitoring Requirements -

Quarterly/ Yearly Groundwater and Surface Water

Date pollution monitoring data was obtained by licensee: 06/05/2025



# April 2025 - Groundwater, Surface Water, Surface Gas, Sub-Surface Gas, and Gas Accumulation Monitoring Results

| Metals             |                      |                      | Physical                      |      | NA                                        |
|--------------------|----------------------|----------------------|-------------------------------|------|-------------------------------------------|
| Calcium (filtered) | Magnesium (filtered) | Potassium (filtered) | Total Dissolved Solids @180°C | TSS  | Sulfate as SO4 - Turbidimetric (filtered) |
| mg/L               | mg/L                 | mg/L                 | mg/L                          | mg/L | mg/L                                      |
| EQL                | 1                    | 1                    | 10                            | 5    | 1                                         |

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| Woy Woy | 8       | W_S01              | 08 Apr 2025  | -  | -  | -  | -   | <5 | -  |
| Woy Woy | 9       | W_S02              | 08 Apr 2025  | -  | -  | -  | -   | <5 | -  |
| Woy Woy | 10      | W_S03              | 08 Apr 2025  | -  | -  | -  | -   | <5 | -  |
| Woy Woy | 12      | W_S05              | 08 Apr 2025  | -  | -  | -  | -   | 77 | -  |
| Woy Woy | 13      | W_S07              | 08 Apr 2025  | -  | -  | -  | -   | <5 | -  |
| Woy Woy | 14      | W_S08              | 08 Apr 2025  | -  | -  | -  | -   | 36 | -  |
| Woy Woy | 1/ 17   | W_WW1              | 08 Apr 2025  | 11 | 5  | 2  | 156 | -  | 31 |
| Woy Woy | 2/ 18   | W_WW2              | 08 Apr 2025  | <1 | 6  | <1 | 139 | -  | 7  |
| Woy Woy | 3/ 19   | W_WW3              | 08 Apr 2025  | 6  | 10 | 2  | 224 | -  | 26 |
| Woy Woy | 5/ 21   | W_WW6              | 08 Apr 2025  | 33 | 7  | 3  | 216 | -  | 12 |
| Woy Woy | 6/ 22   | W_WW7              | 08 Apr 2025  | <1 | 4  | 2  | 134 | -  | 43 |
| Woy Woy | 24      | Traverse 1         | 24 Apr 2025  | -  | -  | -  | -   | -  | -  |
| Woy Woy | 25      | Traverse 2         | 24 Apr 2025  | -  | -  | -  | -   | -  | -  |
| Woy Woy | 26      | Traverse 3         | 24 Apr 2025  | -  | -  | -  | -   | -  | -  |
| Woy Woy | 27      | Traverse 4         | 24 Apr 2025  | -  | -  | -  | -   | -  | -  |
| Woy Woy | 28      | Traverse 5         | 24 Apr 2025  | -  | -  | -  | -   | -  | -  |
| Woy Woy | 31      | Lunch Room         | 24 Apr 2025  | -  | -  | -  | -   | -  | -  |
| Woy Woy | 32      | Maintenance Shed   | 24 Apr 2025  | -  | -  | -  | -   | -  | -  |
| Woy Woy | 33      | Weighbridge Office | 24 Apr 2025  | -  | -  | -  | -   | -  | -  |

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