

| Well ID | Sample Date | Time | Geographical Coordinates MGA 94 (Zone 5) | | pH Value | ORP | Electrical Conductivity | Temperature | Salinity | Turbidity | Dissolved Oxygen % Sat. | Dissolved Oxygen | Total Dissolved Solids | Sulphate as SO4 | Chloride | Sodium | *Nitrate as N | Total Kjeldahl Nitrogen as N | Ammonia as N | Total Nitrogen as N | Total Phosphorous as P | | |
|---|-------------|-------|--|------------|----------|-------|-------------------------|-------------|----------|-----------|-------------------------|------------------|------------------------|-----------------|----------|--------|---------------|------------------------------|--------------|---------------------|------------------------|--|--|
| | | | Easting | Northing | | | | | | | | | | | | | | | | | | | |
| | | | Units | Units | | | | | | | | | | | | | | | | | | | |
| | | | LOR | | 0 - 14 | ±2000 | 0 - 9999 | -5 - 50 | 0 - 70 | 0 - 3000 | 0 - 500 | 0 - 50 | 1 | 1 | 1.0 | 0.1 | 0.01 | 0.10 | 0.01 | 0.1 | <0.05 | | |
| Assessment Guidelines | | | | | | | | | | | | | | | | | | | | | | | |
| Water Dependent Ecosystems and Species (ANZECC 2000 Fresh Water 95%) | | | | | | | | | | | | | | | | | | 2.4 a | | 0.69 | | | |
| Agriculture and Irrigation - Stock Watering (ANZECC 2000 Livestock DW Low Risk Trigger Values) | | | | | | | | | | | 5 #1 | | 2000 #1 | 1000 | | | | 90.3 * | | | | | |
| Water-based Recreation - Primary Contact Recreation (ANZECC 2000 Recreational water quality and aesthetics) | | | | | 6.5-8.5 | | | | | | 5 #1 | >80% | | 1000 | 400 | 400 | 300 | 10 | | 0.01 | | | |
| Buildings and Structures (AS2159-2009 Piling - Design and Installation) | | | | | <5.5 | | | | | | | | | 1000 | 6000 | | | | | | | | |
| West Road Monitoring Bores | | | | | | | | | | | | | | | | | | | | | | | |
| B01 | 22-Jan-25 | 9:51 | 319828.79 | 5959890.12 | 7.4 | 1 | 9387 | 18.2 | 5.3 | 9 | 5 | 0.5 | 10800 | 1200 | 5270 | 2560 | 0.20 | 1.1 | 0.02 | 1.3 | 0.27 | | |
| B02 | 22-Jan-25 | 10:19 | 319829.29 | 5959889.29 | 7.5 | 6 | 15110 | 18.8 | 8.8 | 141 | 11 | 1.0 | 18800 | 1920 | 9110 | 4870 | 0.69 | 2.3 | 0.10 | 3.0 | 0.6 | | |
| B03 | 22-Jan-25 | 10:33 | 319551.81 | 5959797.49 | 8.3 | -105 | 3309 | 19.3 | 1.7 | 119 | 9 | 0.8 | 1890 | 200 | 533 | 716 | <0.05 | 0.4 | <0.01 | 0.4 | 0.1 | | |
| B08 | 22-Jan-25 | 13:51 | 319241.93 | 5960484.60 | 7.6 | 28 | 10860 | 18.2 | 6.2 | 5 | 92 | 8.2 | 19100 | 1740 | 10100 | 4550 | 0.81 | <0.1 | 0.10 | 0.8 | 0.04 | | |
| B09 | 22-Jan-25 | 14:08 | 319241.91 | 5960485.48 | 7.3 | 23 | 14740 | 19.0 | 8.6 | 129 | 8 | 0.7 | 28000 | 2420 | 12700 | 5930 | 1.54 | 0.3 | 0.09 | 1.8 | 0.05 | | |
| B10 | 22-Jan-25 | 9:10 | 319816.95 | 5960495.54 | 8.0 | 5 | 7680 | 17.1 | 4.3 | 7 | 79 | 7.3 | 9100 | 1140 | 5030 | 2370 | 1.58 | 0.3 | 0.04 | 1.9 | 0.03 | | |
| B11 | 22-Jan-25 | 9:32 | 319816.09 | 5960495.06 | 7.9 | -16 | 4448 | 17.9 | 2.4 | 62 | 27 | 2.4 | 2990 | 211 | 1260 | 940 | 0.59 | 0.5 | 0.02 | 1.4 | 0.06 | | |
| B12 | 22-Jan-25 | 11:16 | 319253.97 | 5959861.31 | 7.7 | -1 | 10220 | 17.8 | 5.8 | 31 | 76 | 6.8 | 17300 | 1720 | 8250 | 4290 | 0.63 | 0.2 | 0.03 | 0.8 | 0.03 | | |
| B13 | 22-Jan-25 | 10:52 | 319254.90 | 5959861.25 | 8.0 | -81 | 3851 | 18.9 | 2.0 | 403 | 7 | 0.6 | 2620 | 236 | 852 | 775 | 0.01 | 2.8 | <0.01 | 2.8 | 0.58 | | |
| B20 | 22-Jan-25 | 11:30 | 319260.50 | 5960089.55 | 7.0 | -96 | 11070 | 20.0 | 6.3 | 179 | 9 | 0.7 | 50000 | 3160 | 24400 | 9230 | 0.05 | 0.6 | 0.18 | 0.6 | 0.41 | | |
| B21 | 22-Jan-25 | 12:48 | 319316.59 | 5960090.51 | 7.0 | -83 | 12940 | 19.0 | 7.5 | 45 | 15 | 1.3 | 55600 | 3540 | 26800 | 10100 | 0.07 | 2.6 | 0.66 | 2.7 | 0.66 | | |
| B21A | 22-Jan-25 | 13:04 | 319339.15 | 5960090.85 | 7.6 | -20 | 11770 | 19.7 | 6.8 | 200 | 41 | 3.5 | 17100 | 1890 | 8340 | 4360 | 5.11 | 0.4 | 0.05 | 5.5 | 0.04 | | |
| B22 | 22-Jan-25 | 12:27 | 319257.27 | 5960258.78 | 7.3 | -20 | 12300 | 19.3 | 7.1 | 73 | 21 | 1.8 | 34200 | 2490 | 15400 | 6350 | 0.24 | 0.7 | 0.23 | 1.0 | 0.42 | | |
| B23 | 22-Jan-25 | 12:10 | 319312.92 | 5960259.82 | 7.1 | -79 | 12120 | 18.9 | 7.0 | 1000 | 42 | 3.7 | 50300 | 4660 | 25300 | 10700 | <0.05 | 5.8 | 0.20 | 5.8 | 0.92 | | |
| B23A | 22-Jan-25 | 11:45 | 319335.41 | 5960259.25 | 7.6 | -17 | 10910 | 20.0 | 6.2 | 457 | 35 | 3.0 | 22800 | 1980 | 10200 | 4510 | 4.23 | 0.7 | 0.08 | 4.9 | 0.21 | | |
| B26 | 22-Jan-25 | 13:20 | 319833.00 | 5960176.72 | 7.3 | 9 | 10310 | 22.2 | 5.8 | 382 | 12 | 1.0 | 19600 | 9240 | 4450 | 4620 | 0.02 | 2.7 | 0.15 | 2.7 | 0.45 | | |
| B31 | 22-Jan-25 | 14:25 | 319156.49 | 5962024.03 | 6.8 | 24 | 1899 | 19.1 | 1.0 | 594 | 12 | 1.1 | 1560 | 108 | 633 | 423 | 0.93 | 1.5 | 0.02 | 2.5 | 0.32 | | |
| Bakers Monitoring Bores | | | | | | | | | | | | | | | | | | | | | | | |
| B32 | 21-Jan-25 | 14:51 | 317955.90 | 5960421.35 | 7.6 | -133 | 8839 | 18.7 | 5.0 | 17 | 2 | 0.2 | 9100 | 856 | 4880 | 2480 | 0.97 | 0.4 | 0.18 | 1.5 | 0.14 | | |
| B35 | 21-Jan-25 | 8:02 | 319190.71 | 5959363.99 | 7.6 | -142 | 8964 | 21.9 | 5.0 | 22 | 6 | 0.5 | 9640 | 596 | 7170 | 2510 | 0.28 | 1.1 | 0.25 | 1.6 | 0.13 | | |
| B36 | 21-Jan-25 | 8:39 | 319185.99 | 5959876.74 | 7.2 | -101 | 12410 | 20.6 | 7.1 | 43 | 10 | 0.9 | 17900 | 708 | 9520 | 4310 | 0.01 | 0.2 | 0.11 | 0.2 | 0.06 | | |
| B37 | 21-Jan-25 | 14:23 | 319168.74 | 5960393.10 | 7.5 | -95 | 11840 | 22.9 | 6.8 | 30 | 6 | 0.5 | 28800 | 2190 | 13600 | 6080 | 0.02 | <1.0 | 0.06 | <1.0 | 0.22 | | |
| B39 | 21-Jan-25 | 14:02 | 319151.92 | 5961179.26 | 7.4 | -93 | 11630 | 21.9 | 6.6 | 47 | 23 | 1.9 | 22200 | 1150 | 10900 | 5350 | 0.05 | 0.7 | <0.05 | 0.8 | 0.25 | | |
| B42 | 21-Jan-25 | 9:51 | 318602.53 | 5958830.59 | 7.5 | -135 | 1133 | | | | | | | | | | | | | | | | |

| Stanhope Milk Processing Plant Monitoring Bores | | | | | | | | | | | | | | | | | | | | | |
|--|-----------|-------|-----------|------------|-----|------|-------|------|-----|------|----|-----|-------|------|-------|-------|-------|-------|-------|-------|-------|
| B58 | 20-Jan-25 | 9:30 | 319369.75 | 5964115.01 | 7.7 | 51 | 7774 | 22.3 | 4.3 | 1000 | 46 | 3.9 | 9430 | 1470 | 1950 | 1770 | 41.7 | 12.0 | 4.04 | 53.8 | 2.48 |
| B59 | 20-Jan-25 | 9:33 | 319542.79 | 5964087.70 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| B60 | 21-Jan-25 | 9:00 | 319792.10 | 5964018.19 | 7.7 | 51 | 7092 | 20.6 | 3.9 | 1000 | 53 | 4.6 | 4970 | 604 | 2020 | 1450 | 31.2 | 4.8 | 0.12 | 36.3 | 0.97 |
| B61 | 20-Jan-25 | 11:00 | 319720.70 | 5963859.97 | 7.4 | 78 | 7455 | 19.7 | 4.1 | 910 | 37 | 3.3 | 5330 | 666 | 1830 | 1030 | 67.9 | 11.7 | 0.86 | 80.0 | 3.38 |
| B62 | 20-Jan-25 | 11:35 | 319689.21 | 5963786.86 | 7.3 | 72 | 5991 | 19.3 | 3.3 | 1000 | 35 | 3.2 | 4610 | 598 | 1440 | 838 | 36 | 3.6 | 0.04 | 39.8 | 1.7 |
| B63 | 20-Jan-25 | 11:53 | 319625.69 | 5963695.81 | 7.6 | 78 | 10350 | 20.0 | 5.9 | 1000 | 29 | 2.6 | 8750 | 853 | 3880 | 2190 | 8.63 | 2.6 | 0.06 | 11.2 | 0.97 |
| B65 | 20-Jan-25 | 12:19 | 319405.16 | 5963841.63 | 7.2 | -63 | 8255 | 21.9 | 4.6 | 662 | 38 | 3.2 | 6540 | 616 | 3090 | 1480 | 0.03 | 1.4 | 0.32 | 1.4 | 0.55 |
| B67 | 20-Jan-25 | 13:20 | 319356.74 | 5963944.57 | 7.8 | -149 | 7944 | 20.7 | 4.4 | 172 | 19 | 1.7 | 6120 | 628 | 2980 | 1440 | 0.56 | 14.0 | 1.33 | 14.6 | 3.96 |
| B69 | 20-Jan-25 | 10:39 | 319711.89 | 5963836.46 | 5.9 | 111 | 7425 | 17.6 | 4.1 | 1000 | 4 | 0.3 | 4830 | 474 | 2500 | 1350 | 0.88 | 0.5 | 0.02 | 1.4 | 0.26 |
| B70 | 20-Jan-25 | 12:40 | 319408.34 | 5963847.20 | 6.6 | 118 | 4846 | 18.6 | 2.6 | 17 | 3 | 0.3 | 2980 | 247 | 1130 | 762 | 4.01 | 0.4 | <0.01 | 4.4 | 0.01 |
| B71 | 20-Jan-25 | 13:50 | 319163.23 | 5963990.24 | 6.1 | 69 | 6061 | 18.8 | 3.3 | 237 | 3 | 0.2 | 3910 | 477 | 1770 | 1040 | 0.01 | 0.8 | 0.19 | 0.8 | 0.09 |
| Quality Assurance / Quality Control | | | | | | | | | | | | | | | | | | | | | |
| 'Primary' Sample Identification - B23 - 22/01/2025 | | | | | - | - | - | - | - | - | - | - | 50300 | 4660 | 25300 | 10700 | <0.05 | 5.8 | 0.20 | 5.8 | 0.92 |
| Blind Field Duplicate' (BFD) Identification - QC1 - 22/01/2025 | | | | | - | - | - | - | - | - | - | - | 50800 | 4250 | 25400 | 10700 | <0.05 | 5.9 | 0.31 | 5.9 | 1.02 |
| Relative Percentage Difference (RPD%) | | | | | - | - | - | - | - | - | - | - | 1.0% | 9.2% | 0.4% | 0.0% | # | 1.7% | 43.1% | 1.7% | 10.3% |
| 'Primary' Sample Identification - B74 - 21/01/2025 | | | | | - | - | - | - | - | - | - | - | 24100 | 1780 | 11200 | 5460 | 2.27 | 0.1 | 0.02 | 2.4 | 0.16 |
| Blind Field Duplicate' (BFD) Identification - QC2 - 21/01/2025 | | | | | - | - | - | - | - | - | - | - | 25400 | 1760 | 11300 | 5960 | 1.9 | <0.1 | 0.02 | 1.9 | 0.16 |
| Relative Percentage Difference (RPD%) | | | | | | | | | | | | | 5.3% | 1.1% | 0.9% | 8.8% | 17.7% | # | 0.0% | 23.3% | 0.0% |
| 'Primary' Sample Identification - B69 - 20/01/2025 | | | | | - | - | - | - | - | - | - | - | 4830 | 474 | 2500 | 1350 | 0.88 | 0.5 | 0.02 | 1.4 | 0.26 |
| Blind Field Duplicate' (BFD) Identification - QC3 - 20/01/2025 | | | | | - | - | - | - | - | - | - | - | 4760 | 482 | 2190 | 1320 | 0.88 | 1 | 0.03 | 1.9 | 0.26 |
| Relative Percentage Difference (RPD%) | | | | | - | - | - | - | - | - | - | - | 1.5% | 1.7% | 13.2% | 2.2% | 0.0% | 66.7% | 40.0% | 30.3% | 0.0% |
| RINSATE 1 - B10 Centrifugal Pump - 22/01/2025 | | | | | - | - | - | - | - | - | - | - | <10 | <1 | <1 | <1 | <0.01 | <0.1 | <0.01 | <0.1 | 0.02 |
| RINSATE 2 - B32 Centrifugal Pump - 21/01/2025 | | | | | - | - | - | - | - | - | - | - | <10 | <1 | <1 | <1 | <0.01 | <0.1 | <0.01 | <0.1 | <0.01 |
| RINSATE 3 - B69 Water Dipper - 20/01/2025 | | | | | - | - | - | - | - | - | - | - | <10 | <1 | <1 | <1 | <0.01 | 0.1 | <0.01 | 0.1 | <0.01 |

*Analysis performed by ALS Environmental (NATA 825) Report ID: EM2500766, EM2500854 & EM2500909

Calibration Report ID: 20012025-HAN, 21012025-HAN & 22012025-HAN

^ Due to laboratory error/oversight, nitrate was analysed outside of recommended holding times and are considered unreliable.

RPD could not be calculated as one or more results were reported below Laboratory Limit of Reporting (LOR)

RPD = RPD is above acceptance target.

LOR - Laboratory Limit of Reporting

| Where the laboratory LOR is greater than the adopted criteria.

Assessment Criteria Comments:

#1 NHMRC Australian Drinking Water Guideline (Health) adopted

#2 For surface water systems.

#3 Trigger value for prevention of foliar injury. Trigger value for moderately tolerant crops (i.e. lucerne, barley, sorghum)

a

National Institute of Water & Atmospheric Research, NIWA, Updating Nitrate Toxicity Effects on Freshwater Aquatic Species (NIWA, January 2013)

Australian and New Zealand guidelines for Fresh and Marine Water Quality, Fresh Water Ecosystems, 95% protection (ANZECC/ARMCANZ 2000)

Australian and New Zealand guidelines for Fresh and Marine Water Quality, Primary Industries (Livestock Watering) (ANZECC/ARMCANZ 2000)

Australian and New Zealand guidelines for Fresh and Marine Water Quality, Recreational Use Criteria (ANZECC/ARMCANZ 2000)

Australian Standard Piling - Design and Installation AS2199-2009 (Standards Australia, 2009)

COMMENTS