



WATER SAMPLING RESULTS: THREDBO ALPINE VILLAGE S.T.P.

TESTING CONDUCTED BY ALS Group, Environmental Division, CANBERRA

SAMPLE ANALYSIS: 7 - September - 2016 TO 8 - August - 2018

SITE: UPSTREAM, Thredbo River 3000m upstream of ADP01

| DATE | NH3 mg/l | BOD mg/l | FAECAL COLI | pH | SS mg/l | TFP mg/l | Oil & Grease | TP mg/l | Al mg/l | TN mg/l | TURB NTU |
|-----------|----------|----------|-------------|------|---------|----------|--------------|---------|---------|---------|----------|
| 08-Aug-18 | <0.1 | <2 | <1 | 7.43 | <2 | <0.01 | <1 | <0.01 | 0.06 | 0.16 | 0.4 |
| 11-Jul-18 | <0.1 | <2 | <2 | 7.02 | <2 | <0.01 | <1 | <0.01 | 0.05 | 0.08 | 0.3 |
| 13-Jun-18 | <0.1 | <2 | 2 | 6.94 | <2 | <0.01 | <1 | <0.01 | 0.07 | 0.10 | 1.2 |
| 02-May-18 | <0.1 | <2 | 2 | 7.23 | <2 | <0.01 | <1 | <0.01 | 0.03 | 0.11 | 0.6 |
| 04-Apr-18 | <0.1 | <2 | <2 | 7.26 | <2 | 0.04 | <1 | <0.01 | 0.03 | 0.08 | 0.5 |
| 07-Mar-18 | <0.1 | <2 | 4 | 7.22 | <2 | <0.01 | <1 | <0.01 | 0.03 | 0.17 | 0.5 |
| 07-Feb-18 | <0.1 | <2 | 4 | 7.27 | <2 | <0.01 | <1 | <0.01 | 0.04 | 0.12 | 0.5 |
| 10-Jan-18 | <0.1 | <2 | 34 | 7.21 | <2 | <0.01 | <1 | <0.01 | 0.07 | 0.23 | 0.6 |
| 06-Dec-17 | <0.1 | <2 | 2 | 6.85 | <2 | <0.01 | <1 | <0.01 | 0.09 | 0.18 | 0.8 |
| 08-Nov-17 | <0.1 | <2 | <2 | 6.95 | <2 | <0.01 | <1 | <0.01 | 0.06 | 0.08 | 0.6 |
| 11-Oct-17 | <0.1 | <2 | <1 | 6.71 | <2 | <0.01 | <1 | <0.01 | 0.07 | 0.11 | 0.5 |
| 06-Sep-17 | <0.1 | <2 | <2 | 6.79 | <2 | <0.01 | <1 | <0.01 | 0.05 | 0.12 | 0.7 |
| 09-Aug-17 | <0.1 | <2 | <2 | 7.02 | <2 | <0.01 | <1 | <0.01 | 0.04 | 0.12 | 0.5 |
| 12-Jul-17 | <0.1 | <2 | <1 | 6.95 | <2 | <0.01 | <1 | <0.01 | 0.05 | 0.08 | 1.8 |
| 14-Jun-17 | <0.1 | <2 | 1 | 6.96 | <2 | <0.01 | <1 | <0.01 | 0.04 | 0.13 | 1.3 |
| 10-May-17 | <0.1 | <2 | <1 | 7.05 | <2 | <0.01 | <1 | <0.01 | 0.04 | 0.08 | 0.8 |
| 12-Apr-17 | <0.1 | <2 | 5.0 | 6.81 | <2 | <0.01 | <1 | <0.01 | 0.13 | 0.18 | 1.1 |
| 08-Mar-17 | <0.1 | <2 | <1 | 7.18 | <2 | <0.01 | <1 | <0.01 | 0.05 | 0.10 | 0.4 |
| 08-Feb-17 | <0.1 | <2 | 6 | 7.09 | <2 | <0.01 | <1 | <0.01 | 0.06 | 0.14 | 0.4 |
| 11-Jan-17 | <0.1 | <2 | 10 | 6.96 | <2 | <0.01 | <1 | <0.01 | 0.10 | 0.21 | 0.9 |
| 07-Dec-16 | <0.1 | <2 | 3 | 6.93 | <2 | <0.01 | <1 | <0.01 | 0.05 | 0.08 | 0.6 |
| 02-Nov-16 | <0.1 | <2 | <1 | 6.90 | <2 | <0.01 | <1 | <0.01 | 0.05 | 0.06 | 0.6 |
| 05-Oct-16 | <0.1 | <2 | <1 | 6.82 | <2 | <0.01 | <1 | <0.01 | 0.07 | 0.30 | 0.8 |
| 21-Sep-16 | <0.1 | <2 | <1 | 6.83 | <2 | <0.01 | <1 | <0.01 | 0.04 | 0.06 | 0.5 |
| 07-Sep-16 | <0.1 | <2 | <1 | 7.50 | <2 | <0.01 | <1 | <0.01 | 0.05 | 0.07 | 0.5 |

TESTING CONDUCTED BY ALS Group, Environmental Division, CANBERRA

SAMPLE ANALYSIS: 7 - September - 2016 TO 8 - August - 2018

SITE: DOWNSTREAM, Thredbo River 500m downstream of swamp out

| DATE | NH3 mg/l | BOD mg/l | FAECAL COLI | pH | SS mg/l | TFP mg/l | Oil & Grease | TP mg/l | Al mg/l | TN mg/l | TURB NTU |
|-----------|----------|----------|-------------|------|---------|----------|--------------|---------|---------|---------|----------|
| 08-Aug-18 | <0.1 | <2 | 1 | 7.11 | <2 | <0.01 | <1 | <0.01 | 0.07 | 0.22 | 0.4 |
| 11-Jul-18 | <0.1 | <2 | 2 | 7.25 | <2 | <0.01 | <1 | <0.01 | 0.07 | 0.69 | 0.9 |
| 13-Jun-18 | <0.1 | <2 | 6 | 6.99 | <2 | <0.01 | <1 | <0.01 | 0.09 | 0.19 | 1.5 |
| 02-May-18 | <0.1 | <2 | 14 | 7.25 | <2 | <0.01 | <1 | <0.01 | 0.03 | 0.09 | 0.9 |
| 04-Apr-18 | <0.1 | <2 | 2 | 7.32 | <2 | <0.01 | <1 | <0.01 | 0.03 | 0.25 | 0.4 |
| 07-Mar-18 | <0.1 | <2 | 102 | 7.29 | <2 | 0.01 | <1 | 0.03 | 0.03 | 0.12 | 0.9 |
| 07-Feb-18 | <0.1 | <2 | 8 | 7.30 | <2 | <0.01 | <1 | <0.01 | 0.04 | 0.14 | 0.4 |
| 10-Jan-18 | <0.1 | <2 | 36 | 7.34 | <2 | 0.03 | <1 | 0.03 | 0.08 | 0.30 | 0.7 |
| 06-Dec-17 | <0.1 | <2 | 18 | 7.06 | <2 | <0.01 | <1 | <0.01 | 0.08 | 0.11 | 0.9 |
| 08-Nov-17 | <0.1 | <2 | 2 | 7.00 | <2 | <0.01 | <1 | <0.01 | 0.06 | 0.12 | 0.3 |
| 11-Oct-17 | <0.1 | <2 | 11 | 6.77 | <2 | <0.01 | <1 | <0.01 | 0.08 | 0.12 | 0.7 |
| 06-Sep-17 | <0.1 | <2 | 10 | 7.05 | <2 | <0.01 | <1 | <0.01 | 0.07 | 0.28 | 1.7 |
| 09-Aug-17 | <0.1 | <2 | 6 | 7.22 | <2 | <0.01 | <1 | 0.01 | 0.17 | 0.62 | 0.8 |
| 12-Jul-17 | 0.2 | <2 | 9 | 7.15 | <2 | <0.01 | <1 | <0.01 | 0.08 | 0.49 | 1.2 |
| 14-Jun-17 | 0.1 | <2 | <1 | 7.15 | <2 | <0.01 | <1 | <0.01 | 0.04 | 0.24 | 0.7 |
| 10-May-17 | <0.1 | <2 | <1 | 7.19 | <2 | <0.01 | <1 | <0.01 | 0.04 | 0.29 | 0.5 |
| 12-Apr-17 | 0.1 | <2 | 12 | 7.11 | <2 | <0.01 | <1 | <0.01 | 0.11 | 0.24 | 1.2 |
| 08-Mar-17 | <0.1 | <2 | 67 | 7.34 | <2 | <0.01 | <1 | <0.01 | 0.06 | 0.12 | 0.6 |
| 08-Feb-17 | <0.1 | <2 | 18 | 7.32 | <2 | <0.01 | <1 | <0.01 | 0.05 | 0.18 | 0.7 |
| 11-Jan-17 | <0.1 | <2 | 23 | 7.17 | <2 | <0.01 | <1 | <0.01 | 0.07 | 0.19 | 0.5 |
| 07-Dec-16 | <0.1 | <2 | 6 | 7.22 | <2 | <0.01 | <1 | <0.01 | 0.05 | 0.10 | 0.4 |
| 02-Nov-16 | <0.1 | <2 | <1 | 7.04 | <2 | <0.01 | <1 | <0.01 | 0.05 | 0.12 | 0.6 |
| 05-Oct-16 | <0.1 | <2 | 7 | 7.08 | <2 | <0.01 | <1 | 0.01 | 0.12 | 0.72 | 0.9 |
| 21-Sep-16 | <0.1 | <2 | 31 | 7.20 | <2 | <0.01 | <1 | <0.01 | 0.07 | 0.30 | 0.5 |
| 07-Sep-16 | <0.1 | <2 | 6 | 7.21 | <2 | <0.01 | <1 | <0.01 | 0.05 | 0.16 | 0.9 |



WATER SAMPLING RESULTS: THREDBO ALPINE VILLAGE S.T.P.

TESTING CONDUCTED BY ALS Group, Environmental Division, CANBERRA
 SAMPLE ANALYSIS: 8 - March - 2017 TO 22 - August - 2018
 SITE: Authorised Discharge Point 01 (ADP01)

| DATE | NH3 mg/l | BOD mg/l | FAECAL COLI | pH | SS mg/l | TFP mg/l | Oil & Grease | TP mg/l | Al mg/l | TN mg/l | TURB NTU |
|-----------|----------|----------|-------------|------|---------|----------|--------------|---------|---------|---------|----------|
| 22-Aug-18 | 0.3 | <2 | <1 | 7.52 | 13 | 0.03 | <1 | 0.24 | 2.01 | 6.99 | 3.1 |
| 08-Aug-18 | 0.2 | 2 | <1 | 7.58 | 21 | 0.02 | <1 | 0.40 | 3.17 | 7.27 | 6.1 |
| 25-Jul-18 | 0.4 | <2 | <1 | 7.57 | 12 | 0.02 | <1 | 0.29 | 1.70 | 8.79 | 3.1 |
| 11-Jul-18 | 0.7 | <2 | <1 | 7.64 | 11 | 0.02 | <1 | 0.13 | 1.90 | 9.71 | 2.5 |
| 27-Jun-18 | 0.4 | <2 | <1 | 7.60 | 7 | 0.08 | <1 | 0.07 | 1.37 | 4.72 | 2.4 |
| 13-Jun-18 | 1.5 | <2 | <1 | 7.70 | <2 | 0.01 | <1 | 0.03 | 0.33 | 4.96 | 1.2 |
| 02-May-18 | <0.1 | <2 | <1 | 7.57 | <2 | <0.01 | <1 | 0.01 | 0.06 | 2.02 | 0.8 |
| 04-Apr-18 | 0.5 | <2 | <1 | 7.51 | <2 | <0.01 | <1 | 0.02 | 0.28 | 3.78 | 0.6 |
| 07-Mar-18 | <0.1 | <2 | <1 | 7.55 | <2 | 0.02 | <1 | 0.04 | 0.22 | 1.12 | 0.8 |
| 07-Feb-18 | <0.1 | <2 | <2 | 7.08 | <2 | 0.01 | <1 | 0.02 | 0.08 | 1.15 | 0.3 |
| 10-Jan-18 | 0.1 | <2 | <1 | 7.53 | <2 | 0.55 | <1 | 0.58 | 0.18 | 2.52 | 0.8 |
| 06-Dec-17 | 1.5 | <2 | <1 | 7.79 | <2 | 0.06 | <1 | 0.08 | 0.36 | 2.80 | 1.0 |
| 08-Nov-17 | <0.1 | <2 | <1 | 7.78 | <2 | 0.03 | <1 | 0.05 | 0.38 | 2.11 | 0.8 |
| 11-Oct-17 | <0.1 | 2 | <1 | 8.79 | 3 | 0.36 | <1 | 0.42 | 2.90 | 2.08 | 3.1 |
| 20-Sep-17 | 0.4 | <2 | <1 | 7.91 | <2 | 0.18 | <1 | 0.19 | 0.40 | 6.68 | 0.8 |
| 06-Sep-17 | 0.9 | <2 | <1 | 7.85 | <2 | 0.08 | <1 | 0.10 | 0.48 | 7.20 | 0.9 |
| 23-Aug-17 | 1.6 | <2 | <1 | 7.60 | 4 | 0.05 | <1 | 0.12 | 0.88 | 6.89 | 1.9 |
| 09-Aug-17 | 0.9 | <2 | <1 | 7.51 | 21 | 0.02 | <1 | 0.28 | 3.44 | 9.29 | 6.3 |
| 26-Jul-17 | 1.0 | <2 | <1 | 7.67 | 3 | 0.02 | <1 | 0.04 | 0.44 | 5.92 | 1.4 |
| 12-Jul-17 | 4.9 | <2 | <1 | 7.54 | 4 | <0.01 | <1 | 0.04 | 0.51 | 9.93 | 1.8 |
| 28-Jun-17 | 3.7 | <2 | <1 | 7.76 | 2 | 0.02 | <1 | 0.03 | 0.15 | 7.11 | 0.8 |
| 14-Jun-17 | 4.8 | 3 | <1 | 7.85 | 2 | <0.01 | <1 | 0.02 | 0.35 | 7.54 | 0.9 |
| 10-May-17 | 0.8 | <2 | <1 | 7.59 | <2 | <0.01 | <1 | <0.01 | 0.06 | 9.87 | 0.4 |
| 12-Apr-17 | 0.5 | <2 | <1 | 7.72 | 5 | <0.01 | <1 | 0.03 | 0.65 | 5.94 | 1.3 |
| 08-Mar-17 | <0.1 | <2 | <1 | 8.08 | 9 | 0.01 | <1 | 0.07 | 1.11 | 0.67 | 2.9 |

TESTING CONDUCTED BY ALS Group, Environmental Division, CANBERRA
 SAMPLE ANALYSIS: 7 - December - 2016 TO 8 - August - 2018
 SITE: SWAMP OUT, wetland discharge into the Thredbo River, 250m from ADP01

| DATE | NH3 mg/l | BOD mg/l | FAECAL COLI | pH | SS mg/l | TFP mg/l | Oil & Grease | TP mg/l | Al mg/l | TN mg/l | TURB NTU |
|-----------|----------|----------|-------------|------|---------|----------|--------------|---------|---------|---------|----------|
| 08-Aug-18 | <0.1 | <2 | 2 | 7.70 | 6 | 0.02 | <1 | 0.13 | 1.04 | 5.60 | 1.8 |
| 11-Jul-18 | 0.5 | <2 | 1 | 7.88 | 3 | 0.01 | <1 | 0.04 | 0.46 | 8.52 | 0.8 |
| 27-Jun-18 | 0.3 | <2 | 4 | 7.82 | <2 | 0.09 | <1 | 0.02 | 0.16 | 4.20 | 0.6 |
| 13-Jun-18 | 0.8 | <2 | 2 | 7.78 | <2 | 0.01 | <1 | 0.02 | 0.19 | 5.19 | 1.0 |
| 02-May-18 | <0.1 | <2 | 45 | 7.74 | 3 | 0.01 | <1 | 0.02 | 0.19 | 1.87 | 1.9 |
| 04-Apr-18 | 0.3 | <2 | <2 | 7.74 | <2 | <0.01 | <1 | 0.02 | 0.13 | 3.65 | 1.5 |
| 07-Mar-18 | <0.1 | <2 | 38 | 7.72 | 20 | 0.02 | <1 | 0.03 | 0.16 | 0.91 | 17.5 |
| 07-Feb-18 | <0.1 | <2 | 54 | 7.36 | 4 | 0.02 | <1 | 0.04 | 0.17 | 0.95 | 1.3 |
| 10-Jan-18 | <0.1 | <2 | 62 | 7.57 | <2 | 0.41 | <1 | 0.44 | 0.24 | 2.29 | 1.3 |
| 06-Dec-17 | 0.6 | <2 | 2 | 7.87 | 3 | 0.04 | <1 | 0.05 | 0.38 | 1.74 | 1.7 |
| 08-Nov-17 | <0.1 | <2 | <1 | 7.88 | 3 | 0.04 | <1 | 0.05 | 0.37 | 1.74 | 1.4 |
| 11-Oct-17 | <0.1 | <2 | 79 | 8.04 | 8 | 0.10 | <1 | 0.16 | 0.85 | 1.37 | 2.9 |
| 06-Sep-17 | 0.6 | <2 | 1 | 7.83 | 4 | 0.07 | <1 | 0.09 | 0.47 | 5.72 | 1.4 |
| 23-Aug-17 | 1.0 | <2 | <1 | 7.73 | 3 | 0.05 | <1 | 0.07 | 0.53 | 5.47 | 1.3 |
| 09-Aug-17 | 0.7 | <2 | 1 | 7.66 | 17 | 0.02 | <1 | 0.12 | 1.58 | 7.46 | 4.7 |
| 26-Jul-17 | 0.6 | <2 | 3 | 7.71 | 8 | 0.02 | <1 | 0.06 | 1.14 | 4.78 | 3.3 |
| 12-Jul-17 | 4.2 | <2 | <1 | 7.64 | 7 | <0.01 | <1 | 0.05 | 0.90 | 9.26 | 3.4 |
| 28-Jun-17 | 2.9 | <2 | <1 | 7.82 | 3 | 0.02 | 1 | 0.03 | 0.33 | 6.36 | 1.1 |
| 14-Jun-17 | 3.5 | <2 | <1 | 7.80 | 6 | <0.01 | <1 | 0.02 | 0.35 | 6.02 | 0.9 |
| 10-May-17 | 0.6 | <2 | 1 | 7.68 | 3 | <0.01 | <1 | 0.01 | 0.23 | 9.16 | 1.8 |
| 12-Apr-17 | 0.3 | <2 | 18 | 7.79 | 4 | <0.01 | <1 | 0.04 | 0.35 | 4.91 | 1.7 |
| 08-Mar-17 | <0.1 | <2 | 15 | 8.02 | 8 | 0.01 | <1 | 0.06 | 0.82 | 0.62 | 2.8 |
| 08-Feb-17 | <0.1 | <2 | 112 | 8.02 | 3 | 0.02 | <1 | 0.05 | 0.36 | 1.59 | 1.8 |
| 11-Jan-17 | <0.1 | <2 | 22 | 7.83 | <2 | 0.01 | <1 | 0.02 | 0.14 | 2.07 | 0.9 |
| 07-Dec-16 | <0.1 | 3 | 61 | 7.92 | 9 | 0.05 | <1 | 0.10 | 0.67 | 1.84 | 3.5 |