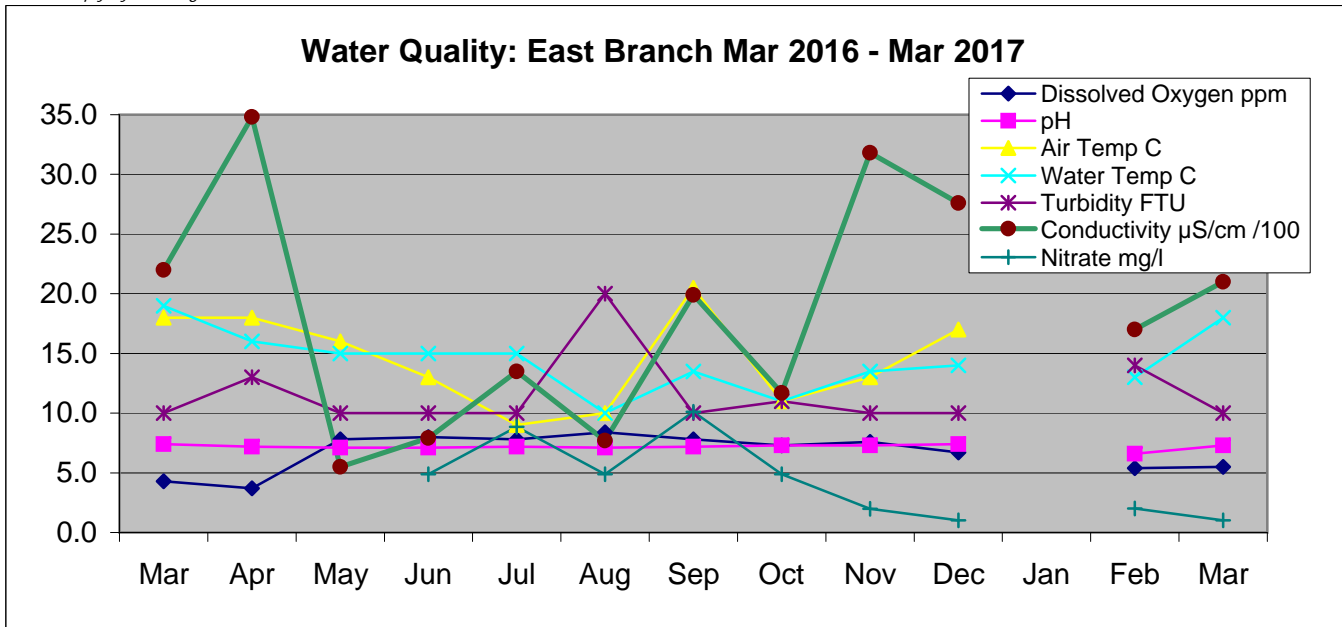


DAMPER CREEK - East Branch

Location: MW site YDP 035

| Water Quality Test | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar |
|---|---------|---------|---------|--------|---------|---------|--------|----------|----------|----------|----------|--------|--------|
| Time | 10.3.16 | 14.4.16 | 12.5.16 | 9.6.16 | 14.7.16 | 11.8.16 | 8.9.16 | 14.10.16 | 10.11.16 | 15.12.16 | No tests | 9.2.17 | 9.3.17 |
| Time | 10.20 | 10.20 | 10.30 | 10.20 | 10.20 | 10.30 | 10.30 | 10.45 | 10.35 | 10.30 | | 10.35 | 10.55 |
| Dissolved Oxy, ml ppm | 4.3 | 3.7 | 7.8 | 8.0 | 7.8 | 8.4 | 7.8 | 7.3 | 7.6 | 6.7 | | 5.4 | 5.5 |
| pH | 7.4 | 7.2 | 7.1 | 7.1 | 7.2 | 7.1 | 7.2 | 7.3 | 7.3 | 7.4 | | 6.6 | 7.3 |
| Air Temperature °C | 18.0 | 18.0 | 16.0 | 13.0 | 9.0 | 10.0 | 20.5 | 11.0 | 13.0 | 17.0 | | 29.0 | 23.0 |
| Water temperature °C | 19.0 | 16.0 | 15.0 | 15.0 | 15.0 | 10.0 | 13.5 | 11.0 | 13.5 | 14.0 | | 13.0 | 18.0 |
| Conductivity* μS/cm /100 | 22 | 34.8 | 5.5 | 7.9 | 13.5 | 7.7 | 19.9 | 11.7 | 31.8 | 27.6 | | 17 | 21 |
| Turbidity NTU | 10 | 13 | 10 | 10 | 10 | 20 | 10 | 11 | 10 | 10 | | 14 | 10 |
| Soluble Phosp PO ₄ (ppm), P(ppm) | 0.065 | 0.07172 | 0.039 | 0.0522 | 0.134 | 0.059 | 0.05 | 0.04 | 0.04 | 0.03 | | 0.078 | 0.022 |
| Ammonia-Nitrogen NH ₄ (mg/l) | 0.5 | 0.5 | 0.07 | 0.1 | 0.4 | 0.5 | 0.4 | 0.3 | 0.5 | 0.35 | | 0.5 | 0.5 |
| Nitrate NO ₃ (mg/l) | | | | 4.873 | 8.86 | 4.87 | 10.1 | 4.87 | 1.9935 | 1.0189 | | 1.999 | 1.02 |

* Multiply by 100 to get actual value



DAMPER CREEK - North Branch

Location: MW site YDP 037

| | | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar |
|---|------------------------|---------|---------|---------|--------|---------|---------|--------|----------|----------|----------|----------|--------|--------|
| Water Quality Test | | 10.3.16 | 14.4.16 | 12.5.16 | 9.6.16 | 14.7.16 | 11.8.16 | 8.9.16 | 14.10.16 | 10.11.16 | 15.12.16 | No Tests | 9.2.17 | 9.3.17 |
| <i>Time</i> | | 9.30 | 9.40 | 9.00 | 9.30 | 9.30 | 9.40 | 9.40 | 9.45 | 9.40 | 9.40 | | 9.40 | 10.05 |
| <i>Dissolved Oxy</i> | ml ppm | 0.5 | 2.0 | 7.7 | 7.5 | 8.8 | 8.4 | 8.2 | 7.3 | 1.5 | 0.8 | | 2.7 | 0.0 |
| <i>pH</i> | | 7.0 | 6.6 | 6.5 | 7.1 | 6.9 | 6.8 | 7.2 | 7.4 | 7.1 | 6.9 | | 6.8 | 6.9 |
| <i>Air Temperature</i> | °C | 20.5 | | 16.0 | 13.0 | 7.0 | 9.0 | 20.0 | 11.0 | 13.0 | 15.0 | | 29.0 | 22.0 |
| <i>Water temperature</i> | °C | 19.0 | 15.0 | 14.0 | 12.0 | 9.0 | 9.0 | 13.0 | 11.0 | 13.0 | 14.0 | | 21.0 | 16.5 |
| <i>Conductivity*</i> | µS/cm /100 | 1.9 | 2.3 | 2 | 1.6 | 1.7 | 1.5 | 1 | 6.6 | 5.2 | 4.7 | | 5.8 | 3.5 |
| <i>Turbidity</i> | NTU | 30 | 38 | 10 | 10 | 22 | 25 | 17 | 10 | 10 | 10 | | 25 | 50 |
| <i>Soluble Phosp PO₄</i> (ppm) | P(ppm) | 0.075 | 0.04 | 0.05 | 0.05 | 0.02 | 0.059 | 0.059 | 0.12 | 0.104 | 0.085 | | 0.05 | 0.01 |
| <i>Ammonia-Nitrogen</i> | NH ₄ (mg/l) | 0.3 | 0.14 | 0.02 | 0 | 1.02 | 0 | 0 | 0.02 | 0.3 | 0.5 | | 0.04 | 0 |
| <i>Nitrate</i> | NO ₃ (mg/l) | | | | | | 1.99 | 1.02 | 2 | 0 | 0 | | 1.02 | 0 |

* Multiply by 100 to get actual value

Water Quality: North Branch Mar 2016 - Mar 2017

