

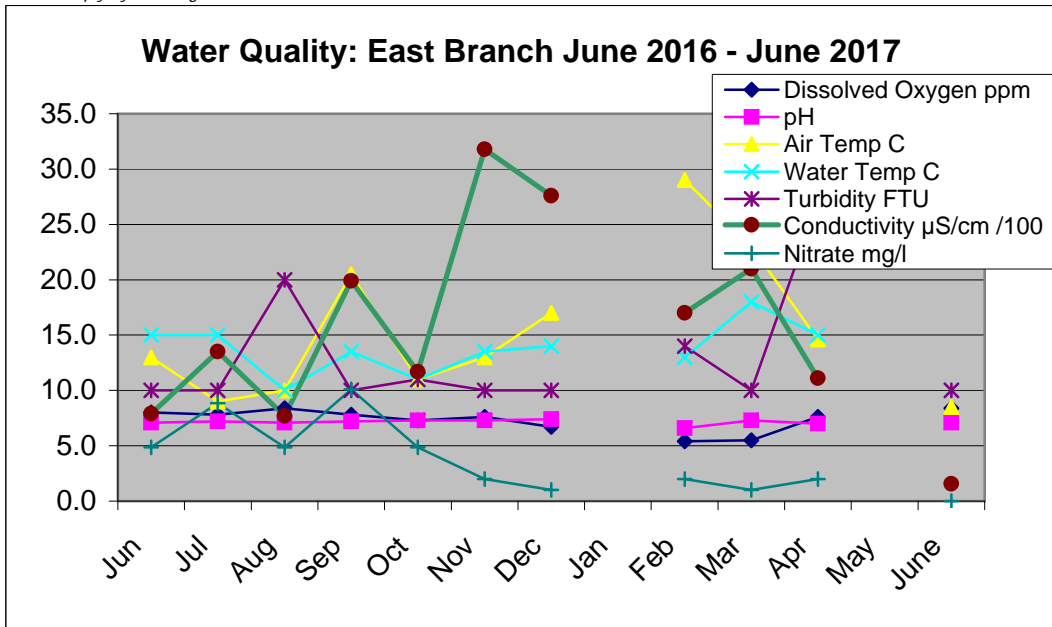
DAMPER CREEK - East Branch

Location: MW site YDP 035

Water Quality Test

| | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June |
|--|-----------------|------------------|------------------|-----------------|-------------------|-------------------|-------------------|----------|-----------------|-----------------|------------------|---------------|-----------------|
| <i>Time</i> | 9.6.16 10.20 | 14.7.16 10.20 | 11.8.16 10.30 | 8.9.16 10.30 | 14.10.16 10.45 | 10.11.16 10.35 | 15.12.16 10.30 | No tests | 9.2.17 10.35 | 9.3.17 10.55 | 12.4.17 10.30 | No Measure | 8.6.17 10.30 |
| <i>Dissolved Oxy</i> , ml ppm | 8.0 | 7.8 | 8.4 | 7.8 | 7.3 | 7.6 | 6.7 | | 5.4 | 5.5 | 7.6 | | 8.4 |
| <i>pH</i> | 7.1 | 7.2 | 7.1 | 7.2 | 7.3 | 7.3 | 7.4 | | 6.6 | 7.3 | 7.0 | | 7.1 |
| <i>Air Temperature</i> , °C | 13.0 | 9.0 | 10.0 | 20.5 | 11.0 | 13.0 | 17.0 | | 29.0 | 23.0 | 14.6 | | 8.5 |
| <i>Water temperature</i> , °C | 15.0 | 15.0 | 10.0 | 13.5 | 11.0 | 13.5 | 14.0 | | 13.0 | 18.0 | 15.0 | | 10.0 |
| <i>Conductivity*</i> , µS/cm /100 | 7.9 | 13.5 | 7.7 | 19.9 | 11.7 | 31.8 | 27.6 | | 17 | 21 | 11.1 | | 1.57 |
| <i>Turbidity</i> , NTU | 10 | 10 | 20 | 10 | 11 | 10 | 10 | | 14 | 10 | 27 | | 10 |
| <i>Soluble Phosp</i> PO ₄ (ppm), P(ppm) | 0.0522 | 0.134 | 0.059 | 0.05 | 0.04 | 0.04 | 0.03 | | 0.078 | 0.022 | 0.082 | | 0.0293 |
| <i>Ammonia-Nitrogen</i> , NH ₄ (mg/l) | 0.1 | 0.4 | 0.5 | 0.4 | 0.3 | 0.5 | 0.35 | | 0.5 | 0.5 | 0.3 | | 0.07 |
| <i>Nitrate</i> , NO ₃ (mg/l) | 4.873 | 8.86 | 4.87 | 10.1 | 4.87 | 1.9935 | 1.0189 | | 1.999 | 1.02 | 2 | | 0 |

* Multiply by 100 to get actual value



DAMPER CREEK - North Branch

Location: MW site YDP 037

| Water Quality Test | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June |
|---|--------|---------|---------|--------|----------|----------|----------|----------|--------|--------|---------|---------|--------|
| Time | 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 | 12.4.17 | No | 8.6.17 |
| Time | 9.30 | 9.30 | 9.40 | 9.40 | 9.45 | 9.40 | 9.40 | | 9.40 | 10.05 | 9.45 | Measure | 9.40 |
| Dissolved Oxy, ml ppm | 7.5 | 8.8 | 8.4 | 8.2 | 7.3 | 1.5 | 0.8 | | 2.7 | 0.0 | 7.5 | | 8.8 |
| pH | 7.1 | 6.9 | 6.8 | 7.2 | 7.4 | 7.1 | 6.9 | | 6.8 | 6.9 | 7.0 | | 7.3 |
| Air Temperature °C | 13.0 | 7.0 | 9.0 | 20.0 | 11.0 | 13.0 | 15.0 | | 29.0 | 22.0 | 14.0 | | 8.0 |
| Water temperature °C | 12.0 | 9.0 | 9.0 | 13.0 | 11.0 | 13.0 | 14.0 | | 21.0 | 16.5 | 13.5 | | 8.0 |
| Conductivity* μS/cm /100 | 1.6 | 1.7 | 1.5 | 1 | 6.6 | 5.2 | 4.7 | | 5.8 | 3.5 | 3.2 | | 2.5 |
| Turbidity NTU | 10 | 22 | 25 | 17 | 10 | 10 | 10 | | 25 | 50 | 10 | | 10 |
| Soluble Phosp PO ₄ (ppm), P(ppm) | 0.05 | 0.02 | 0.059 | 0.059 | 0.12 | 0.104 | 0.085 | | 0.05 | 0.01 | 0.033 | | 0.0619 |
| Ammonia-Nitrogen NH ₄ (mg/l) | 0 | 1.02 | 0 | 0 | 0.02 | 0.3 | 0.5 | | 0.04 | 0 | 0.04 | | 0.01 |
| Nitrate NO ₃ (mg/l) | | | 1.99 | 1.02 | 2 | 0 | 0 | | 1.02 | 0 | 0 | | 0 |

* Multiply by 100 to get actual value

