

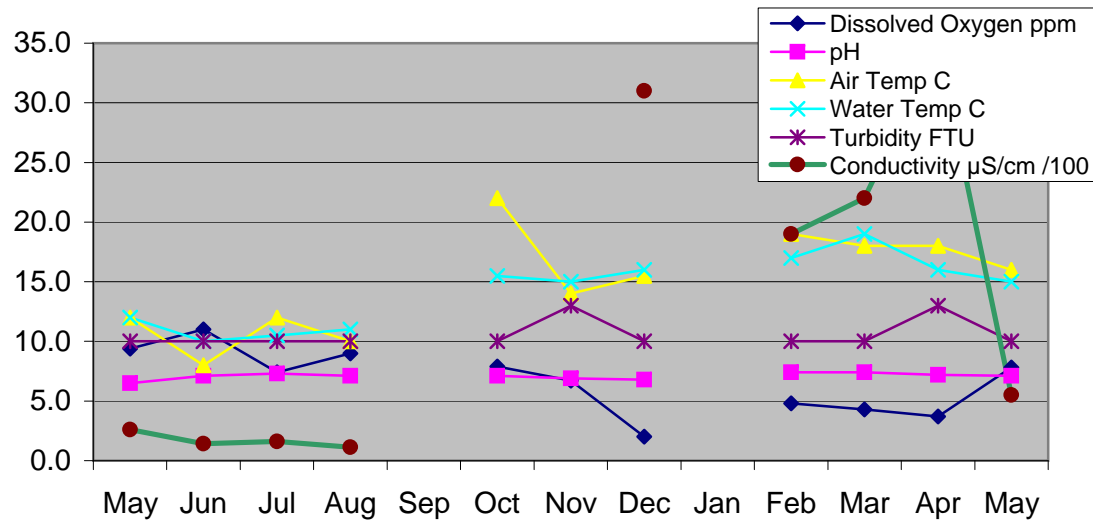
### DAMPER CREEK - East Branch

Location: MW site YDP 035

| Water Quality Test                          | May             | Jun              | Jul              | Aug             | Sep | Oct              | Nov               | Dec               | Jan      | Feb              | Mar              | Apr              | May              |
|---|-----------------|------------------|------------------|-----------------|-----|------------------|-------------------|-------------------|----------|------------------|------------------|------------------|------------------|
| Time  | 15.5.15<br>9.40 | 12.6.15<br>11.15 | 10.7.15<br>10.30 | 14.8.15<br>9.20 |     | 9.10.15<br>10.40 | 13.11.15<br>10.35 | 11.12.15<br>10.30 | No tests | 15.2.16<br>10.30 | 10.3.16<br>10.20 | 14.4.16<br>10.20 | 12.5.16<br>10.30 |
| Dissolved Oxy, ml ppm                       | 9.4             | 11.0             | 7.4              | 9.0             |     | 7.9              | 6.7               | 2.0               |          | 4.8              | 4.3              | 3.7              | 7.8              |
| pH  | 6.5             | 7.1              | 7.3              | 7.1             |     | 7.1              | 6.9               | 6.8               |          | 7.4              | 7.4              | 7.2              | 7.1              |
| Air Temperature °C                          | 12.0            | 8.0              | 12.0             | 10.0            |     | 22.0             | 14.0              | 15.5              |          | 19.0             | 18.0             | 18.0             | 16.0             |
| Water temperature °C                        | 12.0            | 10.0             | 10.5             | 11.0            |     | 15.5             | 15.0              | 16.0              |          | 17.0             | 19.0             | 16.0             | 15.0             |
| Conductivity* μS/cm /100                    | 2.6             | 1.41             | 1.62             | 1.14            |     | 35.8             |                   | 31                |          | 19               | 22               | 34.8             | 5.5              |
| Turbidity NTU                               | 10              | 10               | 10               | 10              |     | 10               | 13                | 10                |          | 10               | 10               | 13               | 10               |
| Soluble Phosp PO <sub>4</sub> (ppm), P(ppm) | 0.00652         | 0.05868          | 0.0652           | 0.04238         |     | 0.06194          |                   | 0                 |          | 0.022            | 0.065            | 0.07172          | 0.039            |
| Ammonia-Nitrogen NH <sub>4</sub> (mg/l)     | 0.04            | 0.15             | 0.15             | 0               |     | 0.5              | 0.4               | 0.5               |          | 0.3              | 0.5              | 0.5              | 0.07             |
| Chlorine                                    |                 |                  |                  |                 |     |                  |                   |                   |          |                  |                  |                  |                  |

\* Multiply by 100 to get actual value

#### Water Quality: East Branch May 2015 - May 2016



### DAMPER CREEK - North Branch

Location: MW site YDP 037

| Water Quality Test                          | May              | Jun           | Jul             | Aug             | Sep | Oct             | Nov              | Dec              | Dec      | Feb             | Mar             | Apr             | May             |
|---|------------------|---------------|-----------------|-----------------|-----|-----------------|------------------|------------------|----------|-----------------|-----------------|-----------------|-----------------|
| Time  | 15.5.15<br>10.20 | 12.6.15<br>10 | 10.7.15<br>9.30 | 14.8.15<br>8.30 |     | 9.10.15<br>9.40 | 13.11.15<br>9.35 | 11.12.15<br>9.40 | No Tests | 15.2.16<br>9.40 | 10.3.16<br>9.30 | 14.4.16<br>9.40 | 12.5.16<br>9.00 |
| Dissolved Oxy, ml ppm                       | 8.2              | 10.6          | 8.7             | 8.3             |     | 1.8             | 5.8              | 1.0              |          | 1.2             | 0.5             | 2.0             | 7.7             |
| pH  | 6.7              | 7.2           | 7.5             | 7.2             |     | 7.1             | 6.3              | 5.2              |          | 6.7             | 7.0             | 6.6             | 6.5             |
| Air Temperature °C                          | 12.5             | 6.0           | 11.0            | 10.0            |     | 10.0            | 15.0             | 17.0             |          | 18.0            | 20.5            |                 | 16.0            |
| Water temperature °C                        | 13.0             | 8.5           | 9.0             | 9.5             |     | 9.5             | 16.0             | 16.5             |          | 17.0            | 19.0            | 15.0            | 14.0            |
| Conductivity* μS/cm /100                    | 5                | 2.2           | 2               | 3.7             |     | 11.3            |                  | 1.4              |          | 1.9             | 1.9             | 2.3             | 2               |
| Turbidity NTU                               | 10               | 10            | 12              | 10              |     | 50              | 40               | 60               |          | 32              | 30              | 38              | 10              |
| Soluble Phosp PO <sub>4</sub> (ppm), P(ppm) | 0.02608          | 0.06846       | 0.08476         | 0.075           |     | 0.153           |                  | 0                |          | 0.1             | 0.075           | 0.04            | 0.05            |
| Ammonia-Nitrogen NH <sub>4</sub> (mg/l)     | 0.1              | 0.04          | 0.03            | 0               |     | 0.02            | 0.07             | 0                |          | 0.5             | 0.3             | 0.14            | 0.02            |
| Chlorine                                    |                  |               |                 |                 |     |                 |                  |                  |          |                 |                 |                 |                 |

\* Multiply by 100 to get actual value

#### Water Quality: North Branch May 2015 - May 2016

