

**Results for 1 year Critical Storm Duration. Lowest mass balance: 99.13%**

| Node Event       | US Node | Peak (mins) | Level (m) | Depth (m) | Inflow (l/s) | Node Vol (m³) | Flood (m³) | Status     |
|------------------|---------|-------------|-----------|-----------|--------------|---------------|------------|------------|
| 15 minute winter | 1       | 10          | 46.440    | 0.040     | 3.0          | 0.0213        | 0.0000     | OK         |
| 15 minute winter | 2       | 10          | 46.248    | 0.048     | 4.1          | 0.0184        | 0.0000     | OK         |
| 15 minute winter | 3       | 11          | 46.130    | 0.050     | 4.5          | 0.0165        | 0.0000     | OK         |
| 15 minute winter | 4       | 11          | 45.682    | 0.032     | 4.5          | 0.0091        | 0.0000     | OK         |
| 15 minute winter | 5       | 10          | 45.028    | 0.098     | 16.3         | 0.1548        | 0.0000     | OK         |
| 15 minute winter | 7       | 10          | 46.349    | 0.029     | 2.0          | 0.0152        | 0.0000     | OK         |
| 15 minute winter | 8       | 10          | 46.061    | 0.041     | 3.0          | 0.0193        | 0.0000     | OK         |
| 15 minute winter | 9       | 10          | 45.296    | 0.046     | 4.0          | 0.0172        | 0.0000     | OK         |
| 15 minute winter | 9A      | 11          | 45.119    | 0.054     | 5.4          | 0.0214        | 0.0000     | OK         |
| 60 minute winter | 10      | 43          | 44.851    | 0.071     | 1.6          | 0.0951        | 0.0000     | OK         |
| 60 minute winter | TANK    | 43          | 44.850    | 0.150     | 10.7         | 8.1751        | 0.0000     | OK         |
| 60 minute winter | FCC 1   | 43          | 44.849    | 0.169     | 6.2          | 0.2257        | 0.0000     | OK         |
| 60 minute winter | C1      | 43          | 44.190    | 0.030     | 6.2          | 0.0342        | 0.0000     | OK         |
| 60 minute winter | OUT 1   | 43          | 43.185    | 0.030     | 6.2          | 0.0000        | 0.0000     | OK         |
| 15 minute winter | 11      | 10          | 46.484    | 0.034     | 1.6          | 0.0161        | 0.0000     | OK         |
| 15 minute winter | 12      | 11          | 46.293    | 0.033     | 1.6          | 0.0092        | 0.0000     | OK         |
| 15 minute winter | 13      | 11          | 46.163    | 0.063     | 4.8          | 0.0391        | 0.0000     | OK         |
| 15 minute winter | 14      | 11          | 46.094    | 0.054     | 7.4          | 0.0305        | 0.0000     | OK         |
| 15 minute winter | FCC 2   | 12          | 45.467    | 0.256     | 10.3         | 0.3701        | 0.0000     | SURCHARGED |
| 15 minute summer | OUT 2   | 1           | 45.000    | 0.000     | 8.4          | 0.0000        | 0.0000     | OK         |

| Link Event<br>(Upstream Depth) | US Node | Link         | DS Node | Outflow (l/s) | Velocity (m/s) | Flow/Cap | Link Vol (m³) | Discharge Vol (m³) |
|--------------------------------|---------|--------------|---------|---------------|----------------|----------|---------------|--------------------|
| 15 minute winter               | 1       | 1.000        | 2       | 3.0           | 0.697          | 0.152    | 0.0709        |                    |
| 15 minute winter               | 2       | 1.001        | 3       | 4.0           | 0.812          | 0.205    | 0.0491        |                    |
| 15 minute winter               | 3       | 1.002        | 4       | 4.5           | 1.168          | 0.205    | 0.1093        |                    |
| 15 minute winter               | 4       | 1.003        | 5       | 4.5           | 0.668          | 0.099    | 0.0823        |                    |
| 15 minute winter               | 5       | 1.004        | TANK    | 16.6          | 1.784          | 0.657    | 0.1346        |                    |
| 15 minute winter               | 7       | 2.000        | 8       | 1.9           | 0.614          | 0.084    | 0.0566        |                    |
| 15 minute winter               | 8       | 2.001        | 9       | 2.9           | 0.783          | 0.145    | 0.0174        |                    |
| 15 minute winter               | 9       | 2.002        | 9A      | 4.0           | 0.781          | 0.201    | 0.0753        |                    |
| 15 minute winter               | 9A      | 2.003        | 5       | 5.5           | 0.615          | 0.280    | 0.1000        |                    |
| 60 minute winter               | 10      | 3.000        | TANK    | 1.6           | 0.542          | 0.114    | 0.1628        |                    |
| 60 minute winter               | TANK    | 1.006        | FCC 1   | 5.6           | 0.195          | 0.223    | 0.2569        |                    |
| 60 minute winter               | FCC 1   | 1.007        | C1      | 6.2           | 1.509          | 0.054    | 0.0379        |                    |
| 60 minute winter               | C1      | 1.008        | OUT 1   | 6.2           | 1.711          | 0.020    | 0.0489        | 17.6               |
| 15 minute winter               | 11      | 4.000        | 12      | 1.6           | 0.555          | 0.107    | 0.0820        |                    |
| 15 minute winter               | 12      | 4.001        | 13      | 1.5           | 0.319          | 0.104    | 0.1175        |                    |
| 15 minute winter               | 13      | 4.002        | 14      | 4.8           | 0.757          | 0.341    | 0.0596        |                    |
| 15 minute winter               | 14      | 4.003        | FCC 2   | 7.5           | 0.541          | 0.282    | 0.4387        |                    |
| 15 minute winter               | FCC 2   | Hydro-Brake® | OUT 2   | 8.6           |                |          |               | 5.0                |