

Table 11A: Comparison of 10-yr XPSWMM Results to HEC-RAS WSE

| Location (Physical Description) | RAS River Station | XPSWMM WSEL (ft) | HEC-RAS WSEL (ft) | Δ (ft) |
|--|------------------------------|---------------------------------|----------------------------------|-------------------|
| Downstream reach of model | 76475 | 436.72 | 434.37 | 2.35 |
| Upstream of Beltline Bridge | 87428 | 438.17 | 437.44 | 0.73 |
| Upstream of Sandy Lake Bridge | 93927 | 440.67 | 441.23 | -0.56 |
| Downstream of I35E Bridge | 110074 | 449.00 | 448.21 | 0.79 |
| Upstream of I35E Bridge | 110475 | 449.4* | 448.78 | 0.62 |
| Downstream of SH121 Bridge North of RR Tracks | 122744 | 451.9* | 451.05 | 0.85 |
| Downstream of SH121 Bridge South of RR Tracks | 122744 | 450.8* | 451.05 | -0.25 |
| Upstream of SH121 Bridge North of RR Bridge | 122944 | 451.9* | 451.06 | 0.84 |
| Upstream of SH121 Bridge South of RR Bridge | 122944 | 450.8* | 451.06 | -0.26 |
| Indian Creek Entering 2D Area | 5329** | 454.89 | 452.07 | 2.82 |
| Upstream of Eisenhower Bridge | 7065 ⁺ | 457.24 | 455.05 | 2.19 |

* Indicates approximate 2D water surface elevations.

Actual elevations will vary over distance.

** River station from Indian Creek model

+River station from Lower Dudley Branch model.

Note:

All XPSWMM elevations from the "All 10-year" scenario.

Table 11B: Comparison of 50-Yr XPSWMM Results to HEC-RAS WSE

| Location (Physical Description) | RAS River Station | XPSWMM WSEL (ft) | HEC-RAS WSEL (ft) | Δ (ft) |
|--|------------------------------|---------------------------------|----------------------------------|-------------------|
| Downstream reach of model | 76475 | 438.06 | 436.97 | 1.09 |
| Upstream of Beltline Bridge | 87428 | 439.52 | 439.47 | 0.05 |
| Upstream of Sandy Lake Bridge | 93927 | 442.15 | 443.49 | -1.34 |
| Downstream of I35E Bridge | 110074 | 449.52 | 449.7 | -0.18 |
| Upstream of I35E Bridge | 110475 | 450.0* | 450.53 | -0.53 |
| Downstream of SH121 Bridge North of RR Tracks | 122744 | 452.7* | 452.13 | 0.57 |
| Downstream of SH121 Bridge South of RR Tracks | 122744 | 451.0* | 452.13 | -1.13 |
| Upstream of SH121 Bridge North of RR Bridge | 122944 | 452.8* | 452.15 | 0.65 |
| Upstream of SH121 Bridge South of RR Bridge | 122944 | 451.1* | 452.15 | -1.05 |
| Indian Creek Entering 2D Area | 5329** | 456.73 | 453.9 | 2.83 |
| Upstream of Eisenhower Bridge | 7065 ⁺ | 458.68 | 457.03 | 1.65 |

* Indicates approximate 2D water surface elevations.

Actual elevations will vary over distance.

** River station from Indian Creek model

+River station from Lower Dudley Branch model.

Note:

XPSWMM elevations for comparison to CDC RAS Stations 76475 to 122944 are from "Elm50_All10" coincidental occurrence scenario.

XPSMM elevations for comparison to Indian Creek and Dudley Branch HEC-RAS locations are from the "ELM 10 DUD IND TIM 50" coincidental occurrence scenario.

Table 11C: Comparison of 50-Yr XPSWMM Results to HEC-RAS WSE

| Location (Physical Description) | RAS River Station | XPSWMM WSEL (ft) | HEC-RAS WSEL (ft) | Δ (ft) |
|--|------------------------------|---------------------------------|----------------------------------|-------------------|
| Downstream reach of model | 76475 | 441.96 | 441.9 | 0.06 |
| Upstream of Beltline Bridge | 87428 | 443.65 | 443.92 | -0.27 |
| Upstream of Sandy Lake Bridge | 93927 | 445.84 | 446.31 | -0.47 |
| Downstream of I35E Bridge | 110074 | 451.88 | 451.92 | -0.04 |
| Upstream of I35E Bridge | 110475 | 453.2* | 453.46 | -0.26 |
| Downstream of SH121 Bridge North of RR Tracks | 122744 | 455.* | 456.04 | -1.06 |
| Downstream of SH121 Bridge South of RR Tracks | 122744 | 455.1* | 456.04 | -0.91 |
| Upstream of SH121 Bridge North of RR Bridge | 122944 | 455.* | 456.12 | -1.08 |
| Upstream of SH121 Bridge South of RR Bridge | 122944 | 455.2* | 456.12 | -0.91 |
| Indian Creek Entering 2D Area | 5329** | 459.07 | 455.53 | 3.54 |
| Upstream of Eisenhower Bridge | 7065 ⁺ | 460.41 | 459.09 | 1.32 |

* Indicates approximate 2D water surface elevations.

Actual elevations will vary over distance.

** River station from Indian Creek model

+River station from Lower Dudley Branch model.

Note:

All XPSWMM elevations from the "All 500-Year" scenario.