

Appendix VII

Original & Adjusted Hydrograph Tables

for

15 & 25-yr Storms

for

St. Johns, Volusia, Indian River, and Brevard Counties

**ST. JOHNS COUNTY - Original & Adjusted Storm Tide Hydrograph
Time Series Values for SBEACH**

15-yr Storm Tide Elevation NAVD (ft.):

| Time Step (sec.) | Original Hydro Peak @ 6.80' | R001-R120 Peak @ 4.60' | R123-R151 Peak @ 4.70' | R152-R195 Peak @ 5.00' | R198-R209 Peak @ 4.90' |
|-----------------------------|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| 0.0 | -1.44 | -0.97 | -1.00 | -1.06 | -1.04 |
| 0.5 | -0.94 | -0.64 | -0.65 | -0.69 | -0.68 |
| 1.0 | -0.34 | -0.23 | -0.24 | -0.25 | -0.25 |
| 1.5 | 0.30 | 0.20 | 0.21 | 0.22 | 0.22 |
| 2.0 | 0.94 | 0.64 | 0.65 | 0.69 | 0.68 |
| 2.5 | 1.58 | 1.07 | 1.09 | 1.16 | 1.14 |
| 3.0 | 2.17 | 1.47 | 1.50 | 1.60 | 1.56 |
| 3.5 | 2.67 | 1.81 | 1.85 | 1.96 | 1.92 |
| 4.0 | 3.07 | 2.08 | 2.12 | 2.26 | 2.21 |
| 4.5 | 3.34 | 2.26 | 2.31 | 2.46 | 2.41 |
| 5.0 | 3.47 | 2.35 | 2.40 | 2.55 | 2.50 |
| 5.5 | 3.44 | 2.33 | 2.38 | 2.53 | 2.48 |
| 6.0 | 3.27 | 2.21 | 2.26 | 2.40 | 2.36 |
| 6.5 | 2.97 | 2.01 | 2.05 | 2.18 | 2.14 |
| 7.0 | 2.54 | 1.72 | 1.76 | 1.87 | 1.83 |
| 7.5 | 2.05 | 1.39 | 1.42 | 1.51 | 1.48 |
| 8.0 | 1.52 | 1.03 | 1.05 | 1.12 | 1.10 |
| 8.5 | 1.01 | 0.68 | 0.70 | 0.74 | 0.73 |
| 9.0 | 0.55 | 0.37 | 0.38 | 0.40 | 0.40 |
| 9.5 | 0.17 | 0.12 | 0.12 | 0.13 | 0.12 |
| 10.0 | -0.07 | -0.05 | -0.05 | -0.05 | -0.05 |
| 10.5 | -0.16 | -0.11 | -0.11 | -0.12 | -0.12 |
| 11.0 | -0.10 | -0.07 | -0.07 | -0.07 | -0.07 |
| 11.5 | 0.11 | 0.07 | 0.08 | 0.08 | 0.08 |
| 12.0 | 0.41 | 0.28 | 0.28 | 0.30 | 0.30 |
| 12.5 | 0.87 | 0.59 | 0.60 | 0.64 | 0.63 |
| 13.0 | 1.40 | 0.95 | 0.97 | 1.03 | 1.01 |
| 13.5 | 2.04 | 1.38 | 1.41 | 1.50 | 1.47 |
| 14.0 | 2.73 | 1.85 | 1.89 | 2.01 | 1.97 |
| 14.5 | 3.48 | 2.35 | 2.41 | 2.56 | 2.51 |
| 15.0 | 4.21 | 2.85 | 2.91 | 3.10 | 3.03 |
| 15.5 | 4.90 | 3.31 | 3.39 | 3.60 | 3.53 |
| 16.0 | 5.55 | 3.75 | 3.84 | 4.08 | 4.00 |
| 16.5 | 6.08 | 4.11 | 4.20 | 4.47 | 4.38 |

| | | | | | |
|------|-------|-------|-------|-------|-------|
| 17.0 | 6.47 | 4.38 | 4.47 | 4.76 | 4.66 |
| 17.5 | 6.72 | 4.55 | 4.64 | 4.94 | 4.84 |
| 18.0 | 6.80 | 4.60 | 4.70 | 5.00 | 4.90 |
| 18.5 | 6.64 | 4.49 | 4.59 | 4.88 | 4.78 |
| 19.0 | 6.22 | 4.21 | 4.30 | 4.57 | 4.48 |
| 19.5 | 5.57 | 3.77 | 3.85 | 4.10 | 4.01 |
| 20.0 | 4.73 | 3.20 | 3.27 | 3.48 | 3.41 |
| 20.5 | 3.73 | 2.52 | 2.58 | 2.74 | 2.69 |
| 21.0 | 2.69 | 1.82 | 1.86 | 1.98 | 1.94 |
| 21.5 | 1.67 | 1.13 | 1.15 | 1.23 | 1.20 |
| 22.0 | 0.71 | 0.48 | 0.49 | 0.52 | 0.51 |
| 22.5 | -0.13 | -0.09 | -0.09 | -0.10 | -0.09 |
| 23.0 | -0.77 | -0.52 | -0.53 | -0.57 | -0.55 |
| 23.5 | -1.19 | -0.80 | -0.82 | -0.88 | -0.86 |
| 24.0 | -1.41 | -0.95 | -0.97 | -1.04 | -1.02 |
| 24.5 | -1.43 | -0.97 | -0.99 | -1.05 | -1.03 |
| 25.0 | -1.30 | -0.88 | -0.90 | -0.96 | -0.94 |
| 25.5 | -0.94 | -0.64 | -0.65 | -0.69 | -0.68 |
| 26.0 | -0.42 | -0.28 | -0.29 | -0.31 | -0.30 |
| 26.5 | 0.11 | 0.07 | 0.08 | 0.08 | 0.08 |
| 27.0 | 0.65 | 0.44 | 0.45 | 0.48 | 0.47 |
| 27.5 | 1.16 | 0.78 | 0.80 | 0.85 | 0.84 |
| 28.0 | 1.59 | 1.08 | 1.10 | 1.17 | 1.15 |
| 28.5 | 1.94 | 1.31 | 1.34 | 1.43 | 1.40 |
| 29.0 | 2.17 | 1.47 | 1.50 | 1.60 | 1.56 |
| 29.5 | 2.27 | 1.54 | 1.57 | 1.67 | 1.64 |
| 30.0 | 2.21 | 1.50 | 1.53 | 1.63 | 1.59 |
| 30.5 | 2.02 | 1.37 | 1.40 | 1.49 | 1.46 |
| 31.0 | 1.67 | 1.13 | 1.15 | 1.23 | 1.20 |
| 31.5 | 1.22 | 0.83 | 0.84 | 0.90 | 0.88 |
| 32.0 | 0.66 | 0.45 | 0.46 | 0.49 | 0.48 |
| 32.5 | 0.05 | 0.03 | 0.03 | 0.04 | 0.04 |
| 33.0 | -0.56 | -0.38 | -0.39 | -0.41 | -0.40 |
| 33.5 | -1.15 | -0.78 | -0.79 | -0.85 | -0.83 |
| 34.0 | -1.67 | -1.13 | -1.15 | -1.23 | -1.20 |
| 34.5 | -2.09 | -1.41 | -1.44 | -1.54 | -1.51 |
| 35.0 | -2.40 | -1.62 | -1.66 | -1.76 | -1.73 |
| 35.5 | -2.55 | -1.73 | -1.76 | -1.88 | -1.84 |
| 36.0 | -2.56 | -1.73 | -1.77 | -1.88 | -1.84 |

**ST. JOHNS COUNTY - Original & Adjusted Storm Tide Hydrograph
Time Series Values for SBEACH**

25-yr Storm Tide Elevation NAVD (ft.):

| Time Step (sec.) | Original Hydro Peak @ 8.0' | R001-R120 Peak @ 5.40' | R123-R151 Peak @ 5.70' | R152-R195 Peak @ 5.90' | R198-R209 Peak @ 5.80' |
|-----------------------------|---------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| 0.0 | -0.98 | -0.66 | -0.70 | -0.72 | -0.71 |
| 0.5 | -0.54 | -0.36 | -0.38 | -0.40 | -0.39 |
| 1.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1.5 | 0.65 | 0.44 | 0.46 | 0.48 | 0.47 |
| 2.0 | 1.38 | 0.93 | 0.98 | 1.02 | 1.00 |
| 2.5 | 2.12 | 1.43 | 1.51 | 1.56 | 1.54 |
| 3.0 | 2.84 | 1.92 | 2.02 | 2.09 | 2.06 |
| 3.5 | 3.53 | 2.38 | 2.52 | 2.60 | 2.56 |
| 4.0 | 4.14 | 2.79 | 2.95 | 3.05 | 3.00 |
| 4.5 | 4.64 | 3.13 | 3.31 | 3.42 | 3.36 |
| 5.0 | 4.98 | 3.36 | 3.55 | 3.67 | 3.61 |
| 5.5 | 5.17 | 3.49 | 3.68 | 3.81 | 3.75 |
| 6.0 | 5.21 | 3.52 | 3.71 | 3.84 | 3.78 |
| 6.5 | 5.14 | 3.47 | 3.66 | 3.79 | 3.73 |
| 7.0 | 4.92 | 3.32 | 3.51 | 3.63 | 3.57 |
| 7.5 | 4.53 | 3.06 | 3.23 | 3.34 | 3.28 |
| 8.0 | 4.04 | 2.73 | 2.88 | 2.98 | 2.93 |
| 8.5 | 3.50 | 2.36 | 2.49 | 2.58 | 2.54 |
| 9.0 | 2.94 | 1.98 | 2.09 | 2.17 | 2.13 |
| 9.5 | 2.43 | 1.64 | 1.73 | 1.79 | 1.76 |
| 10.0 | 2.01 | 1.36 | 1.43 | 1.48 | 1.46 |
| 10.5 | 1.70 | 1.15 | 1.21 | 1.25 | 1.23 |
| 11.0 | 1.55 | 1.05 | 1.10 | 1.14 | 1.12 |
| 11.5 | 1.57 | 1.06 | 1.12 | 1.16 | 1.14 |
| 12.0 | 1.77 | 1.19 | 1.26 | 1.31 | 1.28 |
| 12.5 | 2.11 | 1.42 | 1.50 | 1.56 | 1.53 |
| 13.0 | 2.60 | 1.76 | 1.85 | 1.92 | 1.89 |
| 13.5 | 3.20 | 2.16 | 2.28 | 2.36 | 2.32 |
| 14.0 | 3.90 | 2.63 | 2.78 | 2.88 | 2.83 |
| 14.5 | 4.64 | 3.13 | 3.31 | 3.42 | 3.36 |
| 15.0 | 5.39 | 3.64 | 3.84 | 3.98 | 3.91 |
| 15.5 | 6.10 | 4.12 | 4.35 | 4.50 | 4.42 |
| 16.0 | 6.75 | 4.56 | 4.81 | 4.98 | 4.89 |
| 16.5 | 7.30 | 4.93 | 5.20 | 5.38 | 5.29 |

| | | | | | |
|------|-------|-------|-------|-------|-------|
| 17.0 | 7.70 | 5.20 | 5.49 | 5.68 | 5.58 |
| 17.5 | 7.94 | 5.36 | 5.66 | 5.86 | 5.76 |
| 18.0 | 8.00 | 5.40 | 5.70 | 5.90 | 5.80 |
| 18.5 | 7.88 | 5.32 | 5.61 | 5.81 | 5.71 |
| 19.0 | 7.58 | 5.12 | 5.40 | 5.59 | 5.50 |
| 19.5 | 7.10 | 4.79 | 5.06 | 5.24 | 5.15 |
| 20.0 | 6.48 | 4.37 | 4.62 | 4.78 | 4.70 |
| 20.5 | 5.76 | 3.89 | 4.10 | 4.25 | 4.18 |
| 21.0 | 4.97 | 3.35 | 3.54 | 3.67 | 3.60 |
| 21.5 | 4.16 | 2.81 | 2.96 | 3.07 | 3.02 |
| 22.0 | 3.37 | 2.27 | 2.40 | 2.49 | 2.44 |
| 22.5 | 2.63 | 1.78 | 1.87 | 1.94 | 1.91 |
| 23.0 | 2.00 | 1.35 | 1.43 | 1.48 | 1.45 |
| 23.5 | 1.51 | 1.02 | 1.08 | 1.11 | 1.09 |
| 24.0 | 1.18 | 0.80 | 0.84 | 0.87 | 0.86 |
| 24.5 | 1.01 | 0.68 | 0.72 | 0.74 | 0.73 |
| 25.0 | 1.02 | 0.69 | 0.73 | 0.75 | 0.74 |
| 25.5 | 1.16 | 0.78 | 0.83 | 0.86 | 0.84 |
| 26.0 | 1.42 | 0.96 | 1.01 | 1.05 | 1.03 |
| 26.5 | 1.77 | 1.19 | 1.26 | 1.31 | 1.28 |
| 27.0 | 2.19 | 1.48 | 1.56 | 1.62 | 1.59 |
| 27.5 | 2.65 | 1.79 | 1.89 | 1.95 | 1.92 |
| 28.0 | 3.09 | 2.09 | 2.20 | 2.28 | 2.24 |
| 28.5 | 3.49 | 2.36 | 2.49 | 2.57 | 2.53 |
| 29.0 | 3.80 | 2.57 | 2.71 | 2.80 | 2.76 |
| 29.5 | 4.01 | 2.71 | 2.86 | 2.96 | 2.91 |
| 30.0 | 4.10 | 2.77 | 2.92 | 3.02 | 2.97 |
| 30.5 | 4.04 | 2.73 | 2.88 | 2.98 | 2.93 |
| 31.0 | 3.83 | 2.59 | 2.73 | 2.82 | 2.78 |
| 31.5 | 3.47 | 2.34 | 2.47 | 2.56 | 2.52 |
| 32.0 | 2.97 | 2.00 | 2.12 | 2.19 | 2.15 |
| 32.5 | 2.36 | 1.59 | 1.68 | 1.74 | 1.71 |
| 33.0 | 1.68 | 1.13 | 1.20 | 1.24 | 1.22 |
| 33.5 | 0.97 | 0.65 | 0.69 | 0.72 | 0.70 |
| 34.0 | 0.29 | 0.20 | 0.21 | 0.21 | 0.21 |
| 34.5 | -0.36 | -0.24 | -0.26 | -0.27 | -0.26 |
| 35.0 | -0.90 | -0.61 | -0.64 | -0.66 | -0.65 |
| 35.5 | -1.31 | -0.88 | -0.93 | -0.97 | -0.95 |
| 36.0 | -1.57 | -1.06 | -1.12 | -1.16 | -1.14 |

**VOLUSIA COUNTY - Adjusted Storm Tide Hydrograph
Time Series Values for SBEACH**

15-yr Storm Tide Elevation NAVD (ft.):

| Time Step (sec.) | Original Hydro Peak @ 5.30' | R001-R065 and R191-R205 Peak @ 3.70' | R066-R190 Peak @ 3.90' | R206-R234 Peak @ 3.50' |
|-----------------------------|--|---|-----------------------------------|-----------------------------------|
| 0.0 | -2.53 | -1.59 | -1.67 | -1.50 |
| 0.5 | -2.36 | -1.48 | -1.56 | -1.40 |
| 1.0 | -2.08 | -1.30 | -1.37 | -1.23 |
| 1.5 | -1.71 | -1.07 | -1.13 | -1.01 |
| 2.0 | -1.24 | -0.78 | -0.82 | -0.74 |
| 2.5 | -0.73 | -0.46 | -0.48 | -0.43 |
| 3.0 | -0.18 | -0.11 | -0.12 | -0.11 |
| 3.5 | 0.34 | 0.21 | 0.22 | 0.20 |
| 4.0 | 0.82 | 0.51 | 0.54 | 0.49 |
| 4.5 | 1.22 | 0.77 | 0.81 | 0.72 |
| 5.0 | 1.55 | 0.97 | 1.02 | 0.92 |
| 5.5 | 1.78 | 1.12 | 1.18 | 1.06 |
| 6.0 | 1.95 | 1.22 | 1.29 | 1.16 |
| 6.5 | 1.99 | 1.25 | 1.32 | 1.18 |
| 7.0 | 1.88 | 1.18 | 1.24 | 1.12 |
| 7.5 | 1.63 | 1.02 | 1.08 | 0.97 |
| 8.0 | 1.30 | 0.82 | 0.86 | 0.77 |
| 8.5 | 0.91 | 0.57 | 0.60 | 0.54 |
| 9.0 | 0.52 | 0.33 | 0.34 | 0.31 |
| 9.5 | 0.15 | 0.09 | 0.10 | 0.09 |
| 10.0 | -0.17 | -0.11 | -0.11 | -0.10 |
| 10.5 | -0.41 | -0.26 | -0.27 | -0.24 |
| 11.0 | -0.55 | -0.34 | -0.36 | -0.33 |
| 11.5 | -0.54 | -0.34 | -0.36 | -0.32 |
| 12.0 | -0.36 | -0.23 | -0.24 | -0.21 |
| 12.5 | -0.06 | -0.04 | -0.04 | -0.04 |
| 13.0 | 0.39 | 0.24 | 0.26 | 0.23 |
| 13.5 | 0.94 | 0.59 | 0.62 | 0.56 |
| 14.0 | 1.60 | 1.00 | 1.06 | 0.95 |
| 14.5 | 2.30 | 1.44 | 1.52 | 1.36 |
| 15.0 | 3.04 | 1.91 | 2.01 | 1.80 |
| 15.5 | 3.75 | 2.35 | 2.48 | 2.22 |
| 16.0 | 4.42 | 2.77 | 2.92 | 2.62 |

| | | | | |
|------|-------|-------|-------|-------|
| 16.5 | 4.99 | 3.13 | 3.30 | 2.96 |
| 17.0 | 5.46 | 3.42 | 3.61 | 3.24 |
| 17.5 | 5.77 | 3.62 | 3.81 | 3.42 |
| 18.0 | 5.90 | 3.70 | 3.90 | 3.50 |
| 18.5 | 5.83 | 3.66 | 3.85 | 3.46 |
| 19.0 | 5.55 | 3.48 | 3.67 | 3.29 |
| 19.5 | 5.07 | 3.18 | 3.35 | 3.01 |
| 20.0 | 4.40 | 2.76 | 2.91 | 2.61 |
| 20.5 | 3.58 | 2.25 | 2.37 | 2.12 |
| 21.0 | 2.67 | 1.67 | 1.76 | 1.58 |
| 21.5 | 1.72 | 1.08 | 1.14 | 1.02 |
| 22.0 | 0.81 | 0.51 | 0.54 | 0.48 |
| 22.5 | -0.04 | -0.03 | -0.03 | -0.02 |
| 23.0 | -0.78 | -0.49 | -0.52 | -0.46 |
| 23.5 | -1.35 | -0.85 | -0.89 | -0.80 |
| 24.0 | -1.75 | -1.10 | -1.16 | -1.04 |
| 24.5 | -1.98 | -1.24 | -1.31 | -1.17 |
| 25.0 | -2.06 | -1.29 | -1.36 | -1.22 |
| 25.5 | -1.98 | -1.24 | -1.31 | -1.17 |
| 26.0 | -1.78 | -1.12 | -1.18 | -1.06 |
| 26.5 | -1.47 | -0.92 | -0.97 | -0.87 |
| 27.0 | -1.08 | -0.68 | -0.71 | -0.64 |
| 27.5 | -0.65 | -0.41 | -0.43 | -0.39 |
| 28.0 | -0.21 | -0.13 | -0.14 | -0.12 |
| 28.5 | 0.20 | 0.13 | 0.13 | 0.12 |
| 29.0 | 0.57 | 0.36 | 0.38 | 0.34 |
| 29.5 | 0.86 | 0.54 | 0.57 | 0.51 |
| 30.0 | 1.04 | 0.65 | 0.69 | 0.62 |
| 30.5 | 1.11 | 0.70 | 0.73 | 0.66 |
| 31.0 | 1.05 | 0.66 | 0.69 | 0.62 |
| 31.5 | 0.87 | 0.55 | 0.58 | 0.52 |
| 32.0 | 0.56 | 0.35 | 0.37 | 0.33 |
| 32.5 | 0.17 | 0.11 | 0.11 | 0.10 |
| 33.0 | -0.30 | -0.19 | -0.20 | -0.18 |
| 33.5 | -0.81 | -0.51 | -0.54 | -0.48 |
| 34.0 | -1.32 | -0.83 | -0.87 | -0.78 |
| 34.5 | -1.80 | -1.13 | -1.19 | -1.07 |
| 35.0 | -2.20 | -1.38 | -1.45 | -1.31 |
| 35.5 | -2.51 | -1.57 | -1.66 | -1.49 |
| 36.0 | -2.68 | -1.68 | -1.77 | -1.59 |

**VOLUSIA COUNTY - Adjusted Storm Tide Hydrograph
Time Series Values for SBEACH**

25-yr Storm Tide Elevation NAVD (ft.):

| Time Step (sec.) | Original Hydro Peak @ 7.00' | R001-R065 Peak @ 4.60' | R066-R148 R171-R190 Peak @ 4.80' | R149-R170 Peak @ 4.90' | R191-R205 Peak @ 4.50' | R206-R229 Peak @ 4.30' | R230-R234 Peak @ 4.40' |
|-----------------------------|--|-----------------------------------|---|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| 0.0 | -3.63 | -2.39 | -2.49 | -2.54 | -1.93 | -2.23 | -2.28 |
| 0.5 | -3.25 | -2.14 | -2.23 | -2.28 | -1.80 | -2.00 | -2.04 |
| 1.0 | -2.75 | -1.81 | -1.89 | -1.93 | -1.59 | -1.69 | -1.73 |
| 1.5 | -2.14 | -1.41 | -1.47 | -1.50 | -1.30 | -1.31 | -1.35 |
| 2.0 | -1.46 | -0.96 | -1.00 | -1.02 | -0.95 | -0.90 | -0.92 |
| 2.5 | -0.76 | -0.50 | -0.52 | -0.53 | -0.56 | -0.47 | -0.48 |
| 3.0 | -0.06 | -0.04 | -0.04 | -0.04 | -0.14 | -0.04 | -0.04 |
| 3.5 | 0.57 | 0.37 | 0.39 | 0.40 | 0.26 | 0.35 | 0.36 |
| 4.0 | 1.12 | 0.74 | 0.77 | 0.78 | 0.63 | 0.69 | 0.70 |
| 4.5 | 1.55 | 1.02 | 1.06 | 1.09 | 0.93 | 0.95 | 0.97 |
| 5.0 | 1.83 | 1.20 | 1.25 | 1.28 | 1.18 | 1.12 | 1.15 |
| 5.5 | 1.97 | 1.29 | 1.35 | 1.38 | 1.36 | 1.21 | 1.24 |
| 6.0 | 1.91 | 1.26 | 1.31 | 1.34 | 1.49 | 1.17 | 1.20 |
| 6.5 | 1.66 | 1.09 | 1.14 | 1.16 | 1.52 | 1.02 | 1.04 |
| 7.0 | 1.23 | 0.81 | 0.84 | 0.86 | 1.43 | 0.76 | 0.77 |
| 7.5 | 0.68 | 0.45 | 0.47 | 0.48 | 1.24 | 0.42 | 0.43 |
| 8.0 | 0.04 | 0.03 | 0.03 | 0.03 | 0.99 | 0.02 | 0.03 |
| 8.5 | -0.64 | -0.42 | -0.44 | -0.45 | 0.69 | -0.39 | -0.40 |
| 9.0 | -1.30 | -0.85 | -0.89 | -0.91 | 0.40 | -0.80 | -0.82 |
| 9.5 | -1.89 | -1.24 | -1.30 | -1.32 | 0.11 | -1.16 | -1.19 |
| 10.0 | -2.40 | -1.58 | -1.65 | -1.68 | -0.13 | -1.47 | -1.51 |
| 10.5 | -2.74 | -1.80 | -1.88 | -1.92 | -0.31 | -1.68 | -1.72 |
| 11.0 | -2.88 | -1.89 | -1.97 | -2.02 | -0.42 | -1.77 | -1.81 |
| 11.5 | -2.80 | -1.84 | -1.92 | -1.96 | -0.41 | -1.72 | -1.76 |
| 12.0 | -2.51 | -1.65 | -1.72 | -1.76 | -0.27 | -1.54 | -1.58 |
| 12.5 | -2.04 | -1.34 | -1.40 | -1.43 | -0.05 | -1.25 | -1.28 |
| 13.0 | -1.41 | -0.93 | -0.97 | -0.99 | 0.30 | -0.87 | -0.89 |
| 13.5 | -0.63 | -0.41 | -0.43 | -0.44 | 0.72 | -0.39 | -0.40 |
| 14.0 | 0.29 | 0.19 | 0.20 | 0.20 | 1.22 | 0.18 | 0.18 |
| 14.5 | 1.29 | 0.85 | 0.88 | 0.90 | 1.75 | 0.79 | 0.81 |
| 15.0 | 2.36 | 1.55 | 1.62 | 1.65 | 2.32 | 1.45 | 1.48 |
| 15.5 | 3.46 | 2.27 | 2.37 | 2.42 | 2.86 | 2.13 | 2.17 |
| 16.0 | 4.51 | 2.96 | 3.09 | 3.16 | 3.37 | 2.77 | 2.83 |

| | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|
| 16.5 | 5.47 | 3.59 | 3.75 | 3.83 | 3.81 | 3.36 | 3.44 |
| 17.0 | 6.26 | 4.11 | 4.29 | 4.38 | 4.16 | 3.85 | 3.93 |
| 17.5 | 6.79 | 4.46 | 4.66 | 4.75 | 4.40 | 4.17 | 4.27 |
| 18.0 | 7.00 | 4.60 | 4.80 | 4.90 | 4.50 | 4.30 | 4.40 |
| 18.5 | 6.82 | 4.48 | 4.68 | 4.77 | 4.45 | 4.19 | 4.29 |
| 19.0 | 6.21 | 4.08 | 4.26 | 4.35 | 4.23 | 3.81 | 3.90 |
| 19.5 | 5.25 | 3.45 | 3.60 | 3.68 | 3.87 | 3.23 | 3.30 |
| 20.0 | 4.04 | 2.65 | 2.77 | 2.83 | 3.36 | 2.48 | 2.54 |
| 20.5 | 2.69 | 1.77 | 1.84 | 1.88 | 2.73 | 1.65 | 1.69 |
| 21.0 | 1.32 | 0.87 | 0.91 | 0.92 | 2.04 | 0.81 | 0.83 |
| 21.5 | 0.03 | 0.02 | 0.02 | 0.02 | 1.31 | 0.02 | 0.02 |
| 22.0 | -1.11 | -0.73 | -0.76 | -0.78 | 0.62 | -0.68 | -0.70 |
| 22.5 | -2.06 | -1.35 | -1.41 | -1.44 | -0.03 | -1.27 | -1.29 |
| 23.0 | -2.79 | -1.83 | -1.91 | -1.95 | -0.59 | -1.71 | -1.75 |
| 23.5 | -3.29 | -2.16 | -2.26 | -2.30 | -1.03 | -2.02 | -2.07 |
| 24.0 | -3.53 | -2.32 | -2.42 | -2.47 | -1.33 | -2.17 | -2.22 |
| 24.5 | -3.55 | -2.33 | -2.43 | -2.49 | -1.51 | -2.18 | -2.23 |
| 25.0 | -3.37 | -2.21 | -2.31 | -2.36 | -1.57 | -2.07 | -2.12 |
| 25.5 | -3.04 | -2.00 | -2.08 | -2.13 | -1.51 | -1.87 | -1.91 |
| 26.0 | -2.55 | -1.68 | -1.75 | -1.79 | -1.36 | -1.57 | -1.60 |
| 26.5 | -1.97 | -1.29 | -1.35 | -1.38 | -1.12 | -1.21 | -1.24 |
| 27.0 | -1.34 | -0.88 | -0.92 | -0.94 | -0.82 | -0.82 | -0.84 |
| 27.5 | -0.67 | -0.44 | -0.46 | -0.47 | -0.50 | -0.41 | -0.42 |
| 28.0 | 0.00 | 0.00 | 0.00 | 0.00 | -0.16 | 0.00 | 0.00 |
| 28.5 | 0.59 | 0.39 | 0.40 | 0.41 | 0.15 | 0.36 | 0.37 |
| 29.0 | 1.08 | 0.71 | 0.74 | 0.76 | 0.43 | 0.66 | 0.68 |
| 29.5 | 1.46 | 0.96 | 1.00 | 1.02 | 0.66 | 0.90 | 0.92 |
| 30.0 | 1.69 | 1.11 | 1.16 | 1.18 | 0.79 | 1.04 | 1.06 |
| 30.5 | 1.76 | 1.16 | 1.21 | 1.23 | 0.85 | 1.08 | 1.11 |
| 31.0 | 1.64 | 1.08 | 1.12 | 1.15 | 0.80 | 1.01 | 1.03 |
| 31.5 | 1.34 | 0.88 | 0.92 | 0.94 | 0.66 | 0.82 | 0.84 |
| 32.0 | 0.86 | 0.57 | 0.59 | 0.60 | 0.43 | 0.53 | 0.54 |
| 32.5 | 0.26 | 0.17 | 0.18 | 0.18 | 0.13 | 0.16 | 0.16 |
| 33.0 | -0.43 | -0.28 | -0.29 | -0.30 | -0.23 | -0.26 | -0.27 |
| 33.5 | -1.17 | -0.77 | -0.80 | -0.82 | -0.62 | -0.72 | -0.74 |
| 34.0 | -1.89 | -1.24 | -1.30 | -1.32 | -1.01 | -1.16 | -1.19 |
| 34.5 | -2.53 | -1.66 | -1.73 | -1.77 | -1.37 | -1.55 | -1.59 |
| 35.0 | -3.08 | -2.02 | -2.11 | -2.16 | -1.68 | -1.89 | -1.94 |
| 35.5 | -3.46 | -2.27 | -2.37 | -2.42 | -1.91 | -2.13 | -2.17 |
| 36.0 | -3.67 | -2.41 | -2.52 | -2.57 | -2.04 | -2.25 | -2.31 |

**INDIAN RIVER COUNTY - Adjusted Storm Tide Hydrograph
Time Series Values for SBEACH**

| Time Step (sec.) | 15-yr Storm Tide Elevation NAVD (ft.): | | 25-yr Storm Tide Elevation NAVD (ft.): | |
|---------------------|--|--------------------------------|--|--------------------------------|
| | Original Hydro Peak @ 5.30' | Adjusted Hydro Peak @ 2.60' | Original Hydro Peak @ 6.50' | Adjusted Hydro Peak @ 3.50' |
| 0.0 | -2.73 | -1.34 | -2.29 | -1.30 |
| 0.5 | -2.39 | -1.17 | -2.24 | -1.28 |
| 1.0 | -1.96 | -0.96 | -2.04 | -1.16 |
| 1.5 | -1.57 | -0.77 | -1.79 | -1.02 |
| 2.0 | -1.15 | -0.56 | -1.46 | -0.83 |
| 2.5 | -0.67 | -0.33 | -1.04 | -0.59 |
| 3.0 | -0.10 | -0.05 | -0.56 | -0.32 |
| 3.5 | 0.43 | 0.21 | -0.08 | -0.05 |
| 4.0 | 0.86 | 0.42 | 0.36 | 0.20 |
| 4.5 | 1.24 | 0.61 | 0.74 | 0.42 |
| 5.0 | 1.54 | 0.76 | 1.06 | 0.60 |
| 5.5 | 1.72 | 0.84 | 1.30 | 0.74 |
| 6.0 | 1.74 | 0.85 | 1.49 | 0.85 |
| 6.5 | 1.62 | 0.79 | 1.56 | 0.89 |
| 7.0 | 1.38 | 0.68 | 1.55 | 0.88 |
| 7.5 | 1.06 | 0.52 | 1.46 | 0.83 |
| 8.0 | 0.71 | 0.35 | 1.28 | 0.73 |
| 8.5 | 0.33 | 0.16 | 1.08 | 0.61 |
| 9.0 | -0.06 | -0.03 | 0.85 | 0.48 |
| 9.5 | -0.43 | -0.21 | 0.61 | 0.35 |
| 10.0 | -0.73 | -0.36 | 0.39 | 0.22 |
| 10.5 | -0.96 | -0.47 | 0.20 | 0.11 |
| 11.0 | -1.05 | -0.52 | 0.07 | 0.04 |
| 11.5 | -1.03 | -0.51 | 0.02 | 0.01 |
| 12.0 | -0.86 | -0.42 | 0.10 | 0.06 |
| 12.5 | -0.58 | -0.28 | 0.29 | 0.17 |
| 13.0 | -0.17 | -0.08 | 0.60 | 0.34 |
| 13.5 | 0.35 | 0.17 | 1.05 | 0.60 |
| 14.0 | 0.96 | 0.47 | 1.61 | 0.92 |
| 14.5 | 1.65 | 0.81 | 2.27 | 1.29 |
| 15.0 | 2.39 | 1.17 | 3.01 | 1.71 |
| 15.5 | 3.12 | 1.53 | 3.79 | 2.16 |
| 16.0 | 3.81 | 1.87 | 4.58 | 2.61 |
| 16.5 | 4.41 | 2.16 | 5.30 | 3.02 |

| | | | | |
|------|-------|-------|-------|-------|
| 17.0 | 4.88 | 2.39 | 5.92 | 3.37 |
| 17.5 | 5.20 | 2.55 | 6.34 | 3.61 |
| 18.0 | 5.30 | 2.60 | 6.50 | 3.70 |
| 18.5 | 5.20 | 2.55 | 6.34 | 3.61 |
| 19.0 | 4.89 | 2.40 | 5.86 | 3.34 |
| 19.5 | 4.34 | 2.13 | 5.09 | 2.90 |
| 20.0 | 3.67 | 1.80 | 4.14 | 2.36 |
| 20.5 | 2.92 | 1.43 | 3.11 | 1.77 |
| 21.0 | 2.06 | 1.01 | 2.05 | 1.17 |
| 21.5 | 1.19 | 0.58 | 1.06 | 0.60 |
| 22.0 | 0.36 | 0.18 | 0.18 | 0.10 |
| 22.5 | -0.40 | -0.20 | -0.57 | -0.32 |
| 23.0 | -1.04 | -0.51 | -1.20 | -0.68 |
| 23.5 | -1.52 | -0.75 | -1.67 | -0.95 |
| 24.0 | -1.85 | -0.91 | -2.03 | -1.16 |
| 24.5 | -1.91 | -0.94 | -2.25 | -1.28 |
| 25.0 | -1.85 | -0.91 | -2.34 | -1.33 |
| 25.5 | -1.68 | -0.82 | -2.32 | -1.32 |
| 26.0 | -1.40 | -0.69 | -2.13 | -1.21 |
| 26.5 | -1.02 | -0.50 | -1.87 | -1.06 |
| 27.0 | -0.60 | -0.29 | -1.55 | -0.88 |
| 27.5 | -0.15 | -0.07 | -1.18 | -0.67 |
| 28.0 | 0.31 | 0.15 | -0.79 | -0.45 |
| 28.5 | 0.74 | 0.36 | -0.40 | -0.23 |
| 29.0 | 1.09 | 0.53 | -0.02 | -0.01 |
| 29.5 | 1.31 | 0.64 | 0.30 | 0.17 |
| 30.0 | 1.44 | 0.71 | 0.55 | 0.31 |
| 30.5 | 1.52 | 0.75 | 0.71 | 0.40 |
| 31.0 | 1.55 | 0.76 | 0.78 | 0.44 |
| 31.5 | 1.52 | 0.75 | 0.75 | 0.43 |
| 32.0 | 1.37 | 0.67 | 0.64 | 0.36 |
| 32.5 | 1.11 | 0.54 | 0.44 | 0.25 |
| 33.0 | 0.76 | 0.37 | 0.19 | 0.11 |
| 33.5 | 0.31 | 0.15 | -0.12 | -0.07 |
| 34.0 | -0.17 | -0.08 | -0.45 | -0.26 |
| 34.5 | -0.65 | -0.32 | -0.79 | -0.45 |
| 35.0 | -1.08 | -0.53 | -1.13 | -0.64 |
| 35.5 | -1.41 | -0.69 | -1.41 | -0.80 |
| 36.0 | -1.64 | -0.80 | -1.65 | -0.94 |

**BREVARD COUNTY - Original & Adjusted Storm Tide Hydrograph
Time Series Values for SBEACH**

15-yr Storm Tide Elevation NAVD (ft.):

| Time Step (sec.) | Original Hydro Peak @ 5.0' | R001-R75 Peak @ 2.70' | R76-R94 Peak @ 2.40' | R95-R219 Peak @ 2.50' |
|-----------------------------|---------------------------------------|----------------------------------|---------------------------------|----------------------------------|
| 0.0 | -1.27 | -0.69 | -0.61 | -0.64 |
| 0.5 | -0.92 | -0.5 | -0.44 | -0.46 |
| 1.0 | -0.52 | -0.28 | -0.25 | -0.26 |
| 1.5 | -0.12 | -0.06 | -0.06 | -0.06 |
| 2.0 | 0.28 | 0.15 | 0.13 | 0.14 |
| 2.5 | 0.65 | 0.35 | 0.31 | 0.33 |
| 3.0 | 0.98 | 0.53 | 0.47 | 0.49 |
| 3.5 | 1.20 | 0.65 | 0.58 | 0.6 |
| 4.0 | 1.27 | 0.69 | 0.61 | 0.64 |
| 4.5 | 1.24 | 0.67 | 0.6 | 0.62 |
| 5.0 | 1.13 | 0.61 | 0.54 | 0.56 |
| 5.5 | 0.97 | 0.52 | 0.47 | 0.49 |
| 6.0 | 0.77 | 0.42 | 0.37 | 0.39 |
| 6.5 | 0.49 | 0.26 | 0.24 | 0.25 |
| 7.0 | 0.18 | 0.1 | 0.09 | 0.09 |
| 7.5 | -0.16 | -0.09 | -0.08 | -0.08 |
| 8.0 | -0.50 | -0.27 | -0.24 | -0.25 |
| 8.5 | -0.81 | -0.44 | -0.39 | -0.41 |
| 9.0 | -1.05 | -0.57 | -0.5 | -0.53 |
| 9.5 | -1.22 | -0.66 | -0.59 | -0.61 |
| 10.0 | -1.29 | -0.7 | -0.62 | -0.65 |
| 10.5 | -1.25 | -0.68 | -0.6 | -0.63 |
| 11.0 | -1.09 | -0.59 | -0.52 | -0.55 |
| 11.5 | -0.84 | -0.45 | -0.4 | -0.42 |
| 12.0 | -0.51 | -0.28 | -0.24 | -0.26 |
| 12.5 | -0.07 | -0.04 | -0.03 | -0.04 |
| 13.0 | 0.43 | 0.23 | 0.21 | 0.22 |
| 13.5 | 0.99 | 0.53 | 0.48 | 0.5 |
| 14.0 | 1.60 | 0.86 | 0.77 | 0.8 |
| 14.5 | 2.21 | 1.19 | 1.06 | 1.11 |
| 15.0 | 2.81 | 1.52 | 1.35 | 1.41 |
| 15.5 | 3.36 | 1.81 | 1.61 | 1.68 |
| 16.0 | 3.86 | 2.08 | 1.85 | 1.93 |
| 16.5 | 4.29 | 2.32 | 2.06 | 2.15 |

| | | | | |
|------|-------|-------|-------|-------|
| 17.0 | 4.63 | 2.5 | 2.22 | 2.32 |
| 17.5 | 4.88 | 2.64 | 2.34 | 2.44 |
| 18.0 | 5.00 | 2.7 | 2.4 | 2.5 |
| 18.5 | 4.95 | 2.67 | 2.38 | 2.48 |
| 19.0 | 4.63 | 2.5 | 2.22 | 2.32 |
| 19.5 | 3.97 | 2.14 | 1.91 | 1.99 |
| 20.0 | 2.95 | 1.59 | 1.42 | 1.48 |
| 20.5 | 1.69 | 0.91 | 0.81 | 0.85 |
| 21.0 | 0.42 | 0.23 | 0.2 | 0.21 |
| 21.5 | -0.85 | -0.46 | -0.41 | -0.43 |
| 22.0 | -1.30 | -0.7 | -0.62 | -0.65 |
| 22.5 | -1.61 | -0.87 | -0.77 | -0.81 |
| 23.0 | -1.81 | -0.98 | -0.87 | -0.91 |
| 23.5 | -1.89 | -1.02 | -0.91 | -0.95 |
| 24.0 | -1.87 | -1.01 | -0.9 | -0.94 |
| 24.5 | -1.73 | -0.93 | -0.83 | -0.87 |
| 25.0 | -1.51 | -0.82 | -0.72 | -0.76 |
| 25.5 | -1.21 | -0.65 | -0.58 | -0.61 |
| 26.0 | -0.85 | -0.46 | -0.41 | -0.43 |
| 26.5 | -0.48 | -0.26 | -0.23 | -0.24 |
| 27.0 | -0.11 | -0.06 | -0.05 | -0.06 |
| 27.5 | 0.22 | 0.12 | 0.11 | 0.11 |
| 28.0 | 0.50 | 0.27 | 0.24 | 0.25 |
| 28.5 | 0.70 | 0.38 | 0.34 | 0.35 |
| 29.0 | 0.81 | 0.44 | 0.39 | 0.41 |
| 29.5 | 0.84 | 0.45 | 0.4 | 0.42 |
| 30.0 | 0.77 | 0.42 | 0.37 | 0.39 |
| 30.5 | 0.61 | 0.33 | 0.29 | 0.31 |
| 31.0 | 0.38 | 0.21 | 0.18 | 0.19 |
| 31.5 | 0.08 | 0.04 | 0.04 | 0.04 |
| 32.0 | -0.26 | -0.14 | -0.12 | -0.13 |
| 32.5 | -0.60 | -0.32 | -0.29 | -0.3 |
| 33.0 | -0.96 | -0.52 | -0.46 | -0.48 |
| 33.5 | -1.28 | -0.69 | -0.61 | -0.64 |
| 34.0 | -1.56 | -0.84 | -0.75 | -0.78 |
| 34.5 | -1.76 | -0.95 | -0.84 | -0.88 |
| 35.0 | -1.90 | -1.03 | -0.91 | -0.95 |
| 35.5 | -1.96 | -1.06 | -0.94 | -0.98 |
| 36.0 | -1.93 | -1.04 | -0.93 | -0.97 |

**BREVARD COUNTY - Original & Adjusted Storm Tide Hydrograph
Time Series Values for SBEACH**

25-yr Storm Tide Elevation NAVD (ft.):

| Time Step (sec.) | Original Hydro Peak @ 6.2' | R001-R75 Peak @ 3.80' | R76-R94 Peak @ 3.60' | R95-R219 Peak @ 3.50' |
|-----------------------------|---------------------------------------|----------------------------------|---------------------------------|----------------------------------|
| 0.0 | -1.52 | -0.93 | -0.88 | -0.86 |
| 0.5 | -1.20 | -0.74 | -0.7 | -0.68 |
| 1.0 | -0.80 | -0.49 | -0.46 | -0.45 |
| 1.5 | -0.31 | -0.19 | -0.18 | -0.18 |
| 2.0 | 0.20 | 0.12 | 0.12 | 0.11 |
| 2.5 | 0.67 | 0.41 | 0.39 | 0.38 |
| 3.0 | 1.09 | 0.67 | 0.63 | 0.62 |
| 3.5 | 1.43 | 0.88 | 0.83 | 0.81 |
| 4.0 | 1.65 | 1.01 | 0.96 | 0.93 |
| 4.5 | 1.75 | 1.07 | 1.02 | 0.99 |
| 5.0 | 1.76 | 1.08 | 1.02 | 0.99 |
| 5.5 | 1.67 | 1.02 | 0.97 | 0.94 |
| 6.0 | 1.47 | 0.9 | 0.85 | 0.83 |
| 6.5 | 1.19 | 0.73 | 0.69 | 0.67 |
| 7.0 | 0.83 | 0.51 | 0.48 | 0.47 |
| 7.5 | 0.43 | 0.26 | 0.25 | 0.24 |
| 8.0 | 0.01 | 0.01 | 0.01 | 0.01 |
| 8.5 | -0.40 | -0.25 | -0.23 | -0.23 |
| 9.0 | -0.75 | -0.46 | -0.44 | -0.42 |
| 9.5 | -1.01 | -0.62 | -0.59 | -0.57 |
| 10.0 | -1.15 | -0.7 | -0.67 | -0.65 |
| 10.5 | -1.17 | -0.72 | -0.68 | -0.66 |
| 11.0 | -1.07 | -0.66 | -0.62 | -0.6 |
| 11.5 | -0.84 | -0.51 | -0.49 | -0.47 |
| 12.0 | -0.51 | -0.31 | -0.3 | -0.29 |
| 12.5 | -0.05 | -0.03 | -0.03 | -0.03 |
| 13.0 | 0.54 | 0.33 | 0.31 | 0.3 |
| 13.5 | 1.21 | 0.74 | 0.7 | 0.68 |
| 14.0 | 1.95 | 1.2 | 1.13 | 1.1 |
| 14.5 | 2.71 | 1.66 | 1.57 | 1.53 |
| 15.0 | 3.46 | 2.12 | 2.01 | 1.95 |
| 15.5 | 4.16 | 2.55 | 2.42 | 2.35 |
| 16.0 | 4.81 | 2.95 | 2.79 | 2.72 |
| 16.5 | 5.37 | 3.29 | 3.12 | 3.03 |

| | | | | |
|------|-------|-------|-------|-------|
| 17.0 | 5.81 | 3.56 | 3.37 | 3.28 |
| 17.5 | 6.11 | 3.74 | 3.55 | 3.45 |
| 18.0 | 6.20 | 3.8 | 3.6 | 3.5 |
| 18.5 | 5.98 | 3.67 | 3.47 | 3.38 |
| 19.0 | 5.30 | 3.25 | 3.08 | 2.99 |
| 19.5 | 4.09 | 2.51 | 2.37 | 2.31 |
| 20.0 | 2.45 | 1.5 | 1.42 | 1.38 |
| 20.5 | 0.61 | 0.37 | 0.35 | 0.34 |
| 21.0 | -0.94 | -0.58 | -0.55 | -0.53 |
| 21.5 | -1.60 | -0.98 | -0.93 | -0.9 |
| 22.0 | -2.13 | -1.31 | -1.24 | -1.2 |
| 22.5 | -2.52 | -1.54 | -1.46 | -1.42 |
| 23.0 | -2.74 | -1.68 | -1.59 | -1.55 |
| 23.5 | -2.80 | -1.72 | -1.63 | -1.58 |
| 24.0 | -2.72 | -1.67 | -1.58 | -1.54 |
| 24.5 | -2.50 | -1.53 | -1.45 | -1.41 |
| 25.0 | -2.16 | -1.32 | -1.25 | -1.22 |
| 25.5 | -1.72 | -1.05 | -1 | -0.97 |
| 26.0 | -1.23 | -0.75 | -0.71 | -0.69 |
| 26.5 | -0.69 | -0.42 | -0.4 | -0.39 |
| 27.0 | -0.19 | -0.12 | -0.11 | -0.11 |
| 27.5 | 0.30 | 0.18 | 0.17 | 0.17 |
| 28.0 | 0.71 | 0.44 | 0.41 | 0.4 |
| 28.5 | 1.04 | 0.64 | 0.6 | 0.59 |
| 29.0 | 1.26 | 0.77 | 0.73 | 0.71 |
| 29.5 | 1.36 | 0.83 | 0.79 | 0.77 |
| 30.0 | 1.33 | 0.82 | 0.77 | 0.75 |
| 30.5 | 1.18 | 0.72 | 0.69 | 0.67 |
| 31.0 | 0.90 | 0.55 | 0.52 | 0.51 |
| 31.5 | 0.52 | 0.32 | 0.3 | 0.29 |
| 32.0 | 0.06 | 0.04 | 0.03 | 0.03 |
| 32.5 | -0.46 | -0.28 | -0.27 | -0.26 |
| 33.0 | -0.99 | -0.61 | -0.57 | -0.56 |
| 33.5 | -1.51 | -0.93 | -0.88 | -0.85 |
| 34.0 | -1.97 | -1.21 | -1.14 | -1.11 |
| 34.5 | -2.34 | -1.43 | -1.36 | -1.32 |
| 35.0 | -2.61 | -1.6 | -1.52 | -1.47 |
| 35.5 | -2.75 | -1.69 | -1.6 | -1.55 |
| 36.0 | -2.76 | -1.69 | -1.6 | -1.56 |