

**PORT OF DUBUQUE DEVELOPMENT &  
STORMWATER MANAGEMENT**

|  | <b>River<br/>Stage</b> | <b>MSL<br/>(1912 Elevation)</b> | <b>NGVD 29</b> | <b>Dubuque<br/>GIS<br/>(NAVD 88)</b> |
|--|------------------------|---------------------------------|----------------|--------------------------------------|
| Zero Gauge*  | 0.00                   | 585.47                          | 584.96         | 584.79                               |
| Flat Pool  | 6.60                   | 592.07                          | 591.56         | 591.39                               |
| Ice Harbor Control Gate<br>(Closure policy and projected to go to river stage<br>17 feet.) | 16.00                  | 601.47                          | 600.96         | 600.79                               |
| FEMA 100-Year Flood Elevation  | 17.00                  | 602.47                          | 601.96         | 601.79                               |
| Port Floodwall/Levee Top   | 33.00                  | 618.47                          | 617.96         | 617.79                               |
| Record Floor Elevations  |                        |                                 |                |                                      |
| - 1965: "Record High" River Flood  | 26.81                  | 612.28                          | 611.77         | 611.60                               |
| - 2001: "Record High" River Flood  | 26.46                  | 611.93                          | 611.42         | 611.25                               |
| Port of Dubuque Design Hydraulic<br>Grade Line   | 20.53                  | 606.00                          | 605.5          | 605.32                               |

\* Gauge is located on the right bank at the foot of 4<sup>th</sup> Street in Dubuque, adjacent to the right abutment of the Illinois Central Railroad bridge.

| <b>Datum (Feet)</b> | <b>Conversion</b>      |
|---------------------|------------------------|
| <b>MSL 1912</b>     | = NGVD29 + 0.51 Feet   |
|                     | = NAVD88 + 0.68 Feet   |
|                     |                        |
| <b>NAVD 88</b>      | = NAVD88 = Dubuque GIS |
|                     | = MSL 1912 – 0.68 Feet |
|                     | = NGVD29 – 0.17 Feet   |
|                     |                        |
| <b>NGVD 29</b>      | = MSL 1912 + 0.51 Feet |
|                     | = NAVD88 + 0.17 Feet   |
|                     |                        |
| <b>River Stage</b>  | = MSL 1912 – 585.47    |
|                     | = NGVD29 – 584.96      |
|                     | = NAVD88 – 584.79      |

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