



## Missouri River at Bismarck, ND (06342500) water-level history

Water-level (stage) data has been collected on the Missouri River in Bismarck since February 1881. The stage data has been collected at four different locations through the years. From February 1881 to October 16, 1928, the stage data was obtained by manual reading of a chain gage, once per day by an observer for the United States Weather Bureau (USWB). From October 17, 1928 to present, the stage data has been collected using an automated continuous recorder with readings obtained hourly (or more frequently). The record is not complete and contains some incomplete and missing years.

The time period, location and reference datum of the stage readings is noted below:

**October 1, 1977 to present (location 1):** USGS continuous water stage recorder in concrete stilling well, at current location. Datum of gage is 1,618.28 ft, National Geodetic Vertical Datum of 1929 (NGVD of 1929).

**August 14, 1955 to September 30, 1977 (location 1):** USGS continuous water-stage recorder, in concrete stilling well, at current location. Datum of gage (*changed from above*) was 1,618.38 ft, NGVD of 1929.

**October 1, 1937 to August 13, 1955 (location 2):** USGS continuous water-stage recorder connected to the old 12-inch water main at the City Water plant, 200 ft downstream. Datum of gage was 1,618.38 ft, NGVD of 1929.

**April 10, 1936 to September 30, 1937 (location 3):** USGS continuous water-stage recorder in an 18-inch galvanized spiral welded pipe stilling well attached to downstream end of second pier from right bank, 2,000 ft downstream at Memorial Highway bridge. Datum of gage (*changed from above*) was 1,617.91 ft, NGVD of 1929

**October 1, 1934 to April 9, 1936 (location 2):** USGS continuous water-stage recorder connected to the old 12-inch water main at the City Water plant, 200 ft downstream. Datum of gage (*changed from above*) was 1618.38 ft, NGVD of 1929.

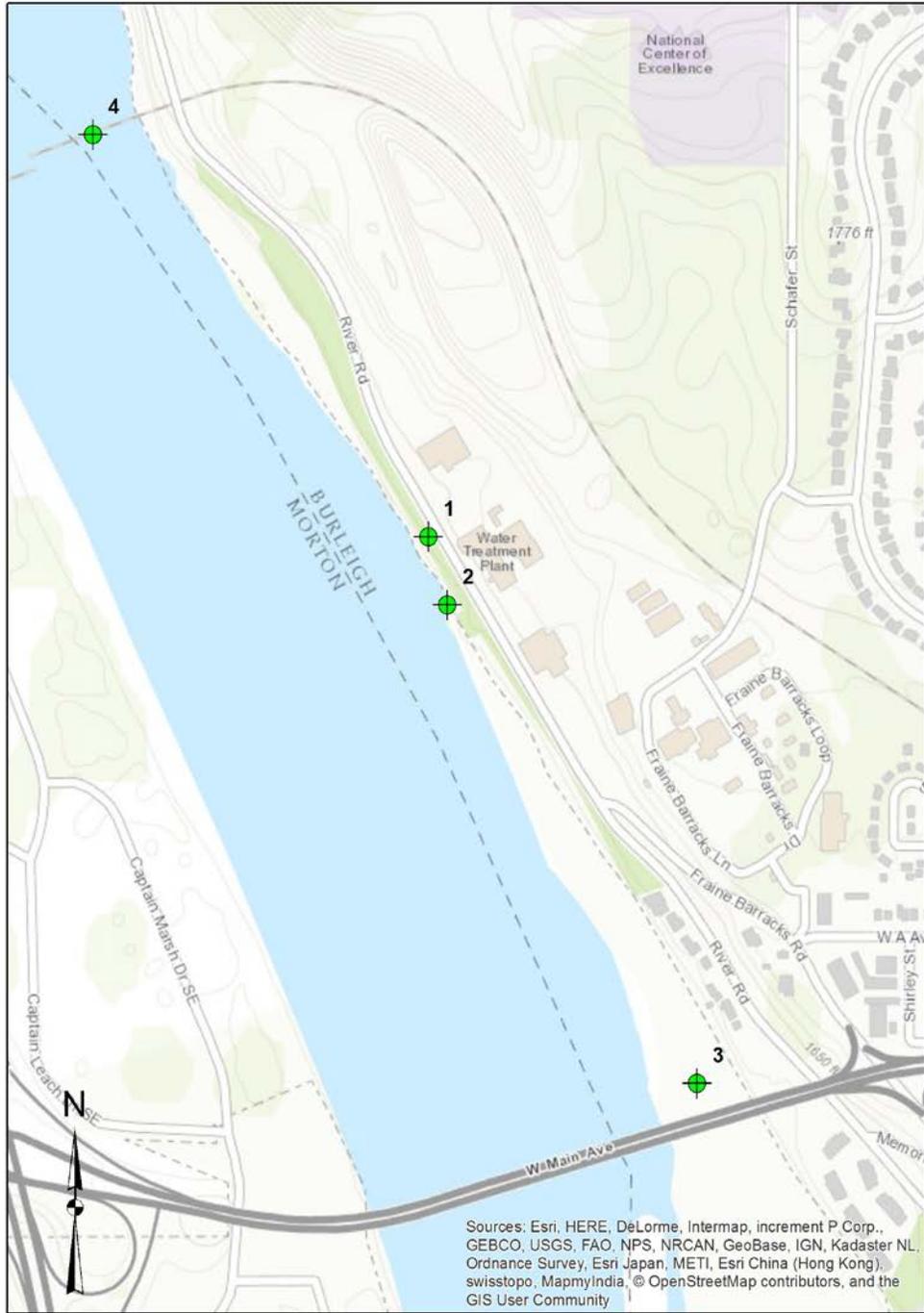
**October 17, 1928 to September 30, 1934 (location 2):** USGS continuous water-stage recorder connected to the old 12-inch water main at the City Water plant, 200 ft downstream. Datum of gage (*changed from above*) was 1,622.62 ft, NGVD of 1929.

**April 5, 1897 to October 17, 1928 (location 4):** United States Weather Bureau chain gage with once daily manual readings on Northern Pacific Railroad bridge, at site 2,100 ft upstream. Datum of gage was 1,622.62 ft, NGVD of 1929.

Daily Gage Height Records from Feb. 1881 to Oct. 1882 and May 1886 to Dec. 1899 have been published by Missouri River Commission in "Stages of the Missouri River from its mouth to Sioux City, Iowa". The records from 1891 to 1928 were published by the United States Weather Bureau in "Daily River Stages of Principal Rivers of the United States".

This history of available stage record was compiled on April 18, 2016.

06342500 Missouri River at Bismarck, ND - Historic gage location



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

