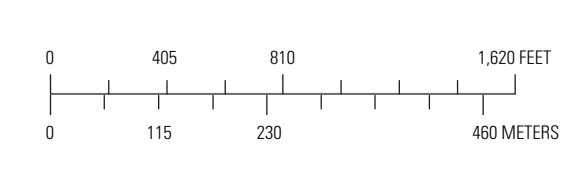


This plate can be opened using Adobe Acrobat or Acrobat Reader software. Instructions in this paragraph are for using tools available in Adobe Acrobat Reader 2017, and may need to be modified for other Adobe software versions. Within this pdf, the 7-mile reach bank lines digitized from real-time kinetic-collected bank locations for each date are displayed against base-map imagery as lines of differing colors. A layers tool (accessible by clicking on the layers icon near the upper left edge) can be used to toggle which data layers are displayed. Clicking on the layers icon opens a panel that lists the layers present in the figure. Clicking on the layers folder will expand the folder and list each layer individually. Each layer has an eye icon. Clicking on the eye icon for a specific layer allows that layer to be turned on or off. The plus and minus buttons (or the zoom drop-down box), together with panning, can be used to zoom in to an area of interest. A measuring tool is available within Acrobat Reader. Select the Tools tab near the top of the page, then click on Measure. This tool can be used to measure eroded distances between bank lines at any location within the 7-mile reach. To use this tool, click on Measuring Tool within the Measure menu. Then click a point where the distance measurement should begin, and click a second point where it should end. After clicking the second point, a Geospatial Distance Tool window will appear that displays the distance between the two clicked points. Imagery from the base map can be used to determine the locations of features and land-cover types that may affect erosion, and the soils layer may be used to compare eroded distances to soil types.

**EXPLANATION**

- November 2010 bankline
- March 2011 bankline
- November 2011 bankline
- February 2012 bankline
- May 2012 bankline
- August 2013 bankline
- November 2013 bankline
- November 2015 bankline
- 1966 shoreline
- Soil symbol key
- BuA
- CaA
- FaA
- FaB
- Fp
- LaA
- LaB
- LoC
- LoD
- M-W
- Oc
- OcC
- OcD
- PaA
- PuB
- Re
- Se
- SeE
- SeE
- W

MSSYM	Description
BuA	Bulkhead clay, 0 to 8 percent slopes
CaA	Center all loam, 0 to 4 percent slopes
FaA	Fairly all loam, 0 to 3 percent slopes
FaB	Fairly all loam, 3 to 8 percent slopes
Fp	Norway loamy fine sand
LaA	Lowly all loam, 0 to 2 percent slopes
LaB	Lowly all loam, 2 to 8 percent slopes
LoC	Lowly all loam, 6 to 8 percent slopes
LoD	Lowly-Silty all loam, 0 to 25 percent slopes
M-W	Miscellaneous water
Oc	Opal clay, 6 to 8 percent slopes
OcC	Opal-Chamber clay, 2 to 8 percent slopes
OcD	Opal-Sanders clay, 6 to 15 percent slopes
PaA	Promiss clay, 0 to 3 percent slopes
PuB	Promiss clay, 3 to 8 percent slopes
Re	Rock outcrop-Sanders complex, 8 to 40 percent slopes
Se	Sensarc-Opal clay, 8 to 40 percent slopes
SeE	Sensarc-Rock outcrop complex, 8 to 40 percent slopes
SeE	Sensarc-Schamber complex, 8 to 40 percent slopes
SeE	Schamber loam, 6 to 40 percent slopes
W	Water



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Universal Transverse Mercator, Zone 14 North  
North American Datum of 1983