

Whole distance from the mouth of Long Hollow
 to Newton Hamilton by the river line ~ ~ ~ 7 miles 43 chains
 Length of the route by Greenbrier tunnel ~ 2 miles 67 chains
 Difference in favor of Greenbrier route ~ 4 miles 56 chains
 Length of the route by Indian Spring tunnel
 from mouth of Long Hollow to where it intersects the
 river line about Newton Hamilton ~ ~ 3 miles 6 chains
 Difference of distances in favor of this route ~ 3 miles 67 chains
 Length of the line by Morrison's tunnel ~ 58 chains
 Difference of distance in favor of this line ~ 2 miles 27 chains

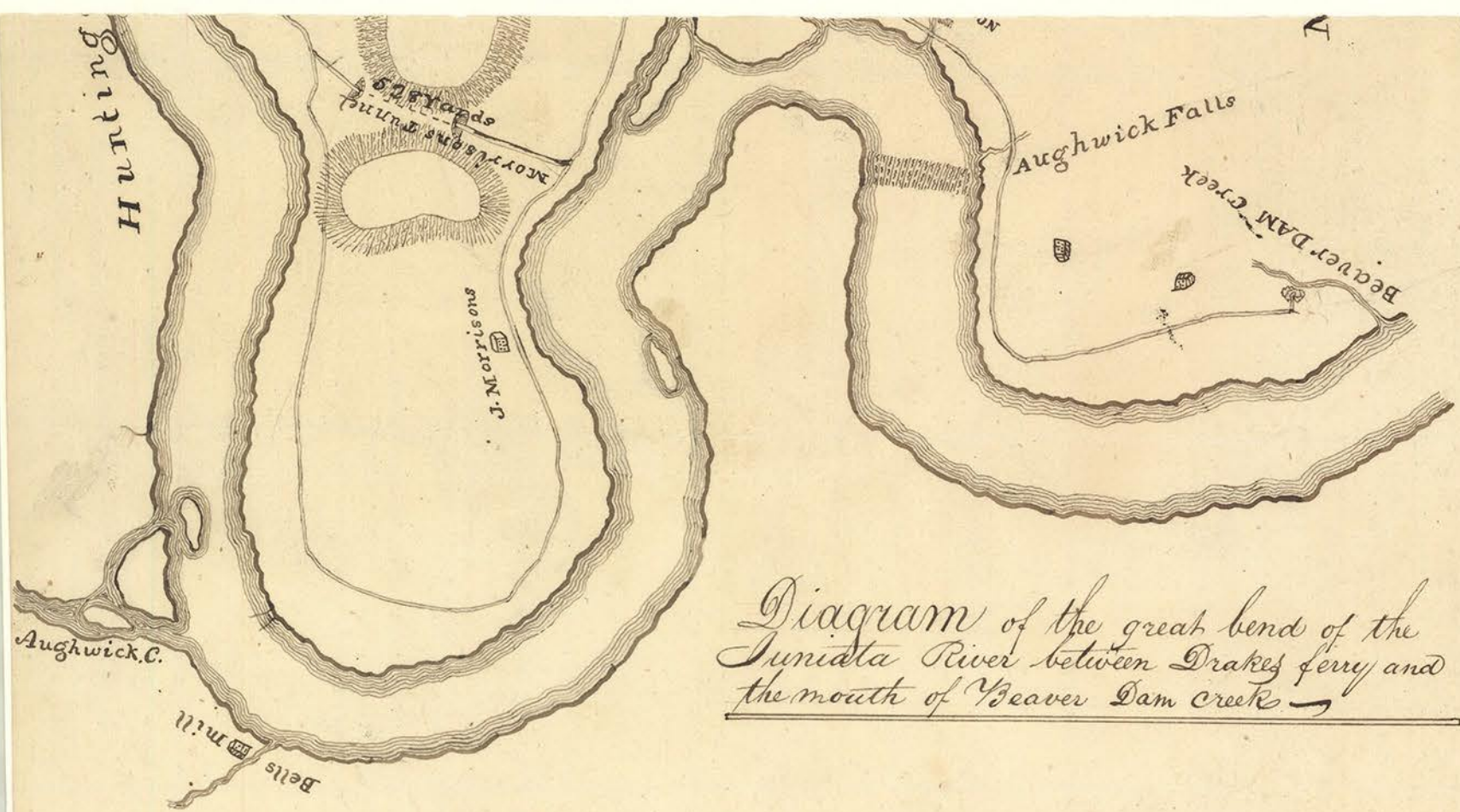


Diagram of the great bend of the
 Juniata River between Drakes ferry and
 the mouth of Beaver Dam Creek