South Bismarck Sediment Management Study
Conceptual View of Sandbar Presence by Channel Width
RM 1292-1315
Missouri River, Bismarck, North Dakota

Legend:
- Oahe Rangelines
- Formation Channel Width - 630m
- Upper Bound Sandbar Presence
- Formation Channel Width - 370m
- Lower Bound Sandbar Presence

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Data displayed on this map are approximations derived from GIS layers and should not be used in place of survey data or legal land descriptions.

2012 Imagery

Plate 2
South Bismarck Sediment Studies
U.S. Army Corps of Engineers
Omaha District

Area 4
- 25-Year
- Open Water
- 50-Year
- 2-year
- 100-Year
- 5-Year
- 200-Year
- 10-Year
- 500-Year

Feet
South Bismarck Sediment Studies
U.S. Army Corps of Engineers
Omaha District

Area 8
- Open Water
- 25-Year
- 50-Year
- 100-Year
- 5-Year
- 200-Year
- 10-Year
- 500-Year

Feet
Missouri River Bismarck Area - Computed Profiles for All Duration Events
Alternative 1 - RM 1280 to 1305

All duration events shown to illustrate range of influence for various Oahe pools. Only Alternative 1 is shown, other alternatives show similar relationship to Oahe pool.
Missouri River Bismarck Area - Computed Profiles for All Duration Events
Alternative 1 - RM 1305 to 1325

All duration events shown to illustrate range of influence for various Oahe pools. Only Alternative 1 is shown, other alternatives show similar relationship to Oahe pool.
Alternative 4 not shown, refer to difference plots for comparison.
Missouri River Bismarck Area - Existing and Alternative Comparison
Duration Events - RM 1305 to 1325

Alternative 4 not shown, refer to difference plots for comparison.
Missouri River Bismarck Area - Existing and Alternative Comparison
ACE Events - RM 1285 to 1305

Alternative 4 not shown, refer to difference plots for comparison.
Missouri River Bismarck Area - Existing and Alternative Profile Comparison
ACE Events - RM 1305 to 1325

Alternative 4 not shown, refer to difference plots for comparison.
Missouri River Bismarck Area - Difference From Existing for All Duration Events
Alternative 1 - RM 1285 to 1305

All duration events shown to illustrate range of influence for various Oahe pools. Only Alternative 1 is shown, other alternatives show similar relationship to Oahe pool.
Missouri River Bismarck Area - Difference From Existing for All Duration Events
Alternative 1 - RM 1305 to 1325

All duration events shown to illustrate range of influence for various Oahe pools. Only Alternative 1 is shown, other alternatives show similar relationship to Oahe pool.
Missouri River Bismarck Area - All Alternatives Difference From Existing
Selected Events, RM 1285 - 1305

Alt 1  50% Flow/Pool
Alt 1  10% ACE
Alt 1  1% ACE
Alt 2  50% Flow/Pool
Alt 2  10% ACE
Alt 2  1% ACE
Alt 3  50% Flow/Pool
Alt 3  10% ACE
Alt 3  1% ACE
Alt 4 Comb.  50% Flow/Pool
Alt 4 Comb.  10% ACE
Alt 4 Comb.  1% ACE

Channel width sized to maximize benefits in the upper portion of the study area from Heart River to W Main Ave for the 1% ACE event. Other
Missouri River Bismarck Area - All Alternative Difference From Existing
Selected Events, RM 1305 - 1325

Water Surface Elevation Difference From Existing (feet)

River Mile

Plate 21