

REPORT DOCUMENTATION PAGE

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13. ABSTRACT <i>(Maximum 200 words)</i> A sedimentation study of the Middle Mississippi River at Red Rock, between River Miles 93 and 86 was conducted to evaluate environmental designs for the development of side channels, island habitat, deep scour holes, and shoaling utilizing an existing dike field on the Mississippi River. The study was funded by the St. Louis District's Biological Opinion Program. A physical hydraulic micro model was used by the St. Louis District's Applied River Engineering Center to assess 13 structural design alternatives in an effort to create a secondary channel and island complex as well as deep scour holes and shoaling. The study recommended three alternatives for the creation of the above mentioned habitats. Alternatives included the placement of chevrons and new dikes and the notching of existing dikes.			
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