

CHANNEL MANAGEMENT STUDIES - FEATURES STATUS

STUDY	FEATURES	RIVER MILE	FEATURE DESCRIPTION/PURPOSE	COMPLETION DATE (PROPOSED)
March 2003 Lower Pool 2	River Resources Forum Endorsement	NA	RRF #62	8/2003
	Is. 112 Closure Structure	827.5R	Stabilize & protect island from erosion & reduce flows down secondary channel/increase flows down main channel. Benefits local aquatic habitats and reduces local channel maintenance requirements. Structure modified in June 2006 to add an anti-eddy notch near upstream tie to shore. Structure also modified in July 2009 which closed original notch and moved notch closer to head of Is. 112 to keep debris from accumulating on adjacent property.	6/8 - 7/20/2005 6/2006 6/2009
	Sand Berm along Is. 112	827.5R	Sand berm will buffer current erosion, restore island mass, and enhance recreational qualities by providing boat beaching and recreational access to the island.	9/26/2008
	Secondary Channel	826.7R	Excavate plugged channel to reestablish 1.65 acres (1,200 linear feet) of side channel habitat. Feature dropped from consideration in 2009 due to unique turtle habitat.	NA
	Wing Dam Notching (31)	NA	Improve local bathymetric diversity and enhance secondary channels to improve fish habitat quality. Notched material placed adjacent to each wing dam. Pending NESP funding since 2009.	(TBD)
Pool 3 /U4	River Resources Forum Endorsement	NA	RRF #60	4/2001
	Carter Slough	807.3R	Construct a spot dike at the mouth of Carter Slough. Dike needed to maintain the integrity of Pool 3 and eliminate the habitat degradation Mississippi River flows are causing in Mud Hen Lake. Feature effectiveness evaluated in 2011; deemed functioning. Other funding sourced needed for additional modifications.	6/11/2002 12/2011
	Restoration of Wing Dams at Big River	805.25 - 804.9L	Restoration of 4 wing dams to improve navigation channel reliability and safety. Wing dams 805.25L, 805.2L, 805.1L, & 804.9L.	11/6/2001
	Wing Dam Notching (19)	NA	Improve local bathymetric diversity and enhance secondary channels to improve fish habitat quality. Notched material placed adjacent to each wing dam and/or used as to close-off Carter Slough structure. Notched 12 of 14; 2 wing dams could not be located. Deferred the notching 5 wing dams until further evaluation of current notchings.	6/2004

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Pool 5	River Resources Forum Endorsement	NA	RRF #55	9/1999
	Wing Dam Notching (12)	NA	Improve local bathymetric diversity and enhance secondary channels to improve fish habitat quality. Notched material placed adjacent to each wing dam and/or used to stabilize adjacent island. Notched 12 of 14; two could not be located. Two other wing dams notches were widened as recommended by OSIT.	6/2004
	Head of West Newton Chute, Is. 42 Stabilization	750.0R	Bank stabilization to prevent an increase in flows down West Newton Chute. Keep flows in main channel. Bank stabilization only, liner not constructed.	4/27/2000
	Wing Dam #9 at Belvidere Slough	748.1L	Fortify wing dam to prevent navigation channel from migrating towards the Head of Belvidere Slough.	4/27/2000
	Belvidere Slough/Probst Lake Bank Stabilization	748.0L	Stabilize the bank to prevent the channel from enlarging, which would result in the degradation of Probst Lake. Keep flows in main channel.	8/9/2000
	Wing Dam #84 Rehabilitation & Extension	746.6R	Modify the wing dam to concentrate navigation channel flows, in turn scouring a deeper navigation channel.	11/12/1999
	Roebuck's Run Bank Protection, Day Mark Wing Dam & Rock Liner Fortification	746.6L	Stabilize Roebuck's Run to prevent the channel from enlarging. Reduces the potential for future losses of flow from the navigation channel and associated channel maintenance problems. Also maintains hydraulic forces acting to enlarge openings to Weaver Bottoms, a desired condition for habitat restoration purposes.	11/12/1999
	Wing Dam #85 Rehabilitation & Extension	746.4R	Modify the wing dam to concentrate navigation channel flows, in turn scouring a deeper navigation channel.	11/12/1999
	Construct Small Island Complex in Lower Belvidere Slough	N/A	Restore and enhance habitat quality and diversity in lower Pool 5. May also result in more efficient and economical beneficial use of dredged material.	
	Island E3 - base	N/A		10/29/2005
	Island E1 - base	N/A		11/15/2005

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Pool 8	River Resources Forum Endorsement	NA	RRF #51	4/1998
	Root River Wing Dam Notch	694.0R	Improve localized fish habitat quality.	5/27/1999
	Crosby Slough Closing Dam Stabilization & Liner Construction	690.3L	Stabilize the existing closing dam and construct a rock liner to prevent the channel from deepening. Keep flows in main channel. Still needed per 5/2007 OSIT.	(TBD)
	Is. 116 (Lawerence Lake) Protection & Stabilization	690.2R	Stabilize & protect island from erosion & reduce flows down secondary channel/increase flows down main channel. Benefits local aquatic habitats and reduces local channel maintenance requirements. Performed minor dredging (~200cy) in July 2009 downstream of notch to encourage scour as recommended by 5/2007 OSIT.	7/21/2000 7/2009
	Wing Dam Rehabilitation	690.2L	Raise and extend 3 wing dams to increase main channel velocities/reduce local channel maintenance requirements. Still needed per 5/2007 OSIT.	(TBD)
	Revetment Notching	683.5R	Stimulate growth of local backwater channels.	7/24/2000