

Pool 19 Channel Maintenance Pool Plan
Upper Mississippi River Miles 364.5 – 410.5
Des Moines and Lee Counties, Iowa
Hancock and Henderson Counties, Illinois
Rock Island District, U.S. Army Corps of Engineers

RESOURCE PROBLEM:

The River Resources Coordinating Team (RRCT), an interagency team composed of federal and state river resource agency representatives, requested development of more comprehensive, multifunctional pool plans for the entire Upper Mississippi River System (UMRS). In the Rock Island District, the UMRS includes twelve pools on the Mississippi River and seven navigation pools on the Illinois Waterway (IWW). This Channel Maintenance Pool Plan (ChaMPP) will examine opportunities to modify, integrate and coordinate various projects within Pool 19 for river dredging, dredged material placement and maintenance. The Channel Maintenance Pool Plan also covers improvements to channel regulating structures such as wing dams, closing structures and chevrons, and channel stabilization measures including rip rap, revetment, and other structures.

PROJECT FEATURES:

In preparation for more integrated and cross-functional, long-term pool planning for up to forty years, this Channel Maintenance Pool Plan would:

- Integrate navigation channel maintenance activities such as dredging, dredged material placement, and channel regulating structures within navigation pools.
- Assess long term implications for dredged material placement and beneficial use.
- Assess uses of dredged material to restore topographic diversity
- Investigate opportunities for channel regulating structures and channel stabilization alternatives to minimize dredging requirements.

EXPECTED OUTCOMES:

Ultimately, the Rock Island District would develop about eighteen Channel Maintenance Pool Plans--twelve on the Upper Mississippi River from Pool 11 through Pool 22, and six on the Illinois Waterway from Lockport to LaGrange Lock and Dam. Better channel maintenance pool planning should help minimize cost and enhance environmental acceptability. The District and resource agency partners encourage public involvement through public meetings, document review and comment, and information posted on public websites.

For the Pool 19 Channel Maintenance Pool Plan, the District and agency partners have identified about seven "Coordination Areas" for further study and potential implementation. These include such diverse measures as expanding existing dredged material management sites, beneficial use stockpile sites, ecosystem restoration by mound and swale placement, topographic diversity for island restoration, and island building. In addition to upgrading or changing existing wing dams or closing dam structures, other outcomes might include rock rip rap, log or other structures to prevent channel migration into adjacent banklines or through islands.

- Identifying beneficial uses for dredged material could extend the useful life of placement areas. Examples of beneficial uses for dredged material include: fill for upland development, sprinkling sand on winter roads for improved traction, or placing dredged material on islands or shorelines to restore topographic diversity.
- Channel regulating structures may help better manage dredging requirements.
- Channel stabilization may help minimize channel migration and dredging needs.

Any long term plan poses significant challenges for unforeseen and changing needs among river users and resources, and changing technologies and management opportunities to meet those needs. Hence, significant efforts would monitor developments and provide feedback through adaptive management, learning lessons from previous experiences of all stakeholders in Pool 19 and throughout the District, the UMRS, and elsewhere.

Channel maintenance would be evaluated for effectiveness and environmental impacts to natural and manmade activities.

FINANCIAL DATA:

Funding for development of the Channel Maintenance Pool Plan would come from District budgets for operating and maintaining the 9-foot navigation channel on the Upper Mississippi River System. Each pool plan is estimated to cost \$100,000 for report development, agency coordination, and public involvement. In comparison, dredging costs for Pool 19 are estimated at \$250,000 per year. Future pool plans should be more economical as the process is refined.

STATUS and SCHEDULE:

During fiscal year 2006, the Rock Island District and other resource agency partners are drafting Channel Maintenance Pool Plans for Pool 19 on the Upper Mississippi River. Environmental assessments would be completed and distributed for public involvement and compliance with the National Environmental Policy Act (NEPA). Channel Maintenance Pool Plans for pools 18 and 19 should be completed during 2007.

INFORMATION NEEDS:

The Rock Island District and other public agency partners are gathering information about potential projects in Pool 19 over the next forty years. These will be reported in the *DRAFT Pool 19 Channel Maintenance Pool Plan*.

The District and its agency partners request public involvement and continued coordination to identify and better understand the implications of various project proposals.

Some of the questions the District and its public agency partners are seeking answers to include those on the Public Meeting Comment Form at <http://www.mvr.usace.army.mil/PublicAffairsOffice/DMMP/Pool19.asp>, and:

- What channel maintenance issues occur, where, and under what conditions?
- Where and when do opportunities exist for beneficial use of dredged material?
- What additional environmental information or monitoring is needed?
- How can the public involvement processes be improved?

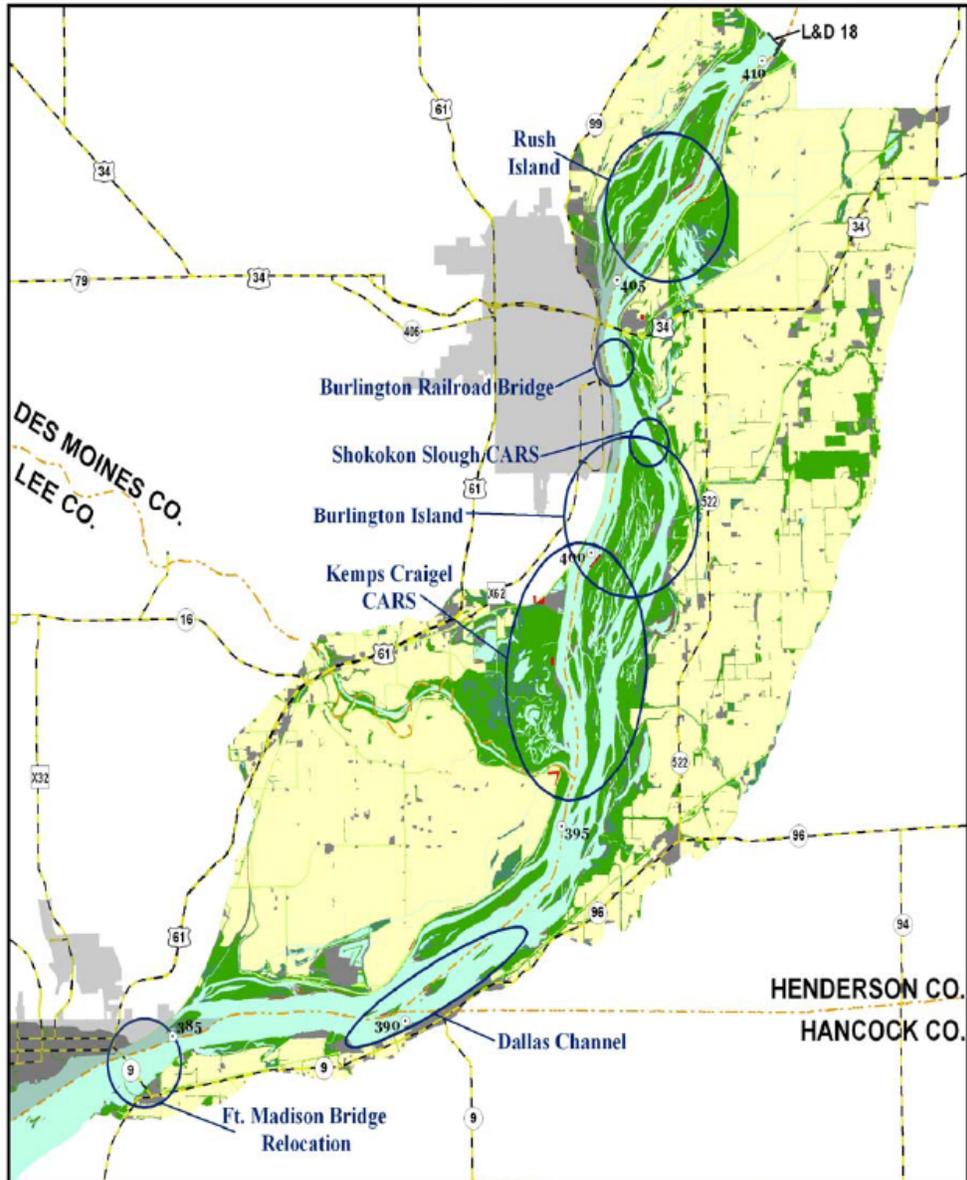
POINTS OF CONTACT FOR MORE INFORMATION:

You may also visit our website at: <http://www.mvr.usace.army.mil/PublicAffairsOffice/DMMP/Pool19.asp>

If you have technical questions about the draft plans, please call: Steve Johnson at 309/794-5704

Comments can also be mailed to:

US Army Engineer District, Rock Island
ATTN: Planning Division (PM-A)
Clock Tower Building
PO Box 2004
Rock Island, IL 61204-2004



Mississippi Pool 19 Draft ChaMPP Coordination Areas



2000 Landcover Data.
Revised 25 May, 2006.



- Agriculture
- Developed
- Forest
- Grass/Forbes
- Marsh
- Open Water
- Sand/Mud
- Coordination Sites
- Existing DMMP Sites
- Roads
- County Lines
- River Miles