

Andalusia Refuge, Habitat Rehabilitation and Enhancement Project, Pool 16

Rock Island District

Pool 16, Upper Mississippi River Miles 462.0 - 463.0



Resource Problem: Prior to this project, there were no moist soil management units located in Pool 16. The lack of shallow water habitat was adversely affecting waterfowl and furbearers. Fisheries suffered due to the lack of off-channel, deep aquatic habitat within this pool.

Project Features:

- An 8,600-foot perimeter levee, including a 600-foot armored overflow section, constructed at a 2-year level of protection creating a 130-acre Moist Soil Management Unit (MSMU);
- A pump station with two 6,775-gpm pumps;
- A 36-inch water control structure;
- 8,600 feet of interior drainage channels and 9 acres of islands;
- Dead Slough dredging (85,000 cubic yards);
- A 1,100-foot access channel between Scisco Chute and Dead Slough; and,
- A diversion ditch and access road.

Project Outputs: Water level control within the refuge has allowed development of a moist soil management unit that provides submergent and emergent vegetation for migrating waterfowl. Nearly 130 acres of managed nesting, resting, and shallow water feeding habitat for waterfowl has been created. Fisheries benefit from year-round access to deepwater channels in Dead Slough and the construction of channels within the refuge itself. Sedimentation in the refuge backwaters has been reduced; however, the Dead Slough access channel will require periodic excavation to maintain suitable depths.

Status: Project construction was completed in September 1994. The project has been turned over to the ILDNR for operation and maintenance. Performance monitoring is continuing. An initial performance evaluation report (PER) was completed in August 1997. Supplemental PERs were completed in June 2001, April 2002 and 2003.

Financial Data: General planning and design costs were \$450,582, while construction costs were \$2,290,808. Annual costs for operation, maintenance, and repair are estimated at \$11,400 and will be the responsibility of the ILDNR.