



**US Army Corps  
of Engineers®**

## PROJECT FACT SHEET

### Andalusia Island Complex

Upper Mississippi River, Pool 16, River Miles 467.5-471

Rock Island County, Illinois

Navigation Ecosystem Sustainability Program, Rock Island District

**Location.** The Andalusia Island Complex is located in Pool 16 of the UMR approximately 4 miles west of Andalusia, Illinois. It is located in between the left descending bank and the main channel in Rock Island County, Illinois at approximate river miles 467.5-471



**Land Ownership.** Potential project lands, in addition to the river bottom, are owned by USACE and outgranted to the Illinois Department of Natural Resources.

**Resource Problem.** Sedimentation has reduced the depth and area of historic backwaters used by native fishes for their various life cycle needs, including overwintering. Pool 16 of the UMR has limited off-channel, deep aquatic habitat necessary for a diverse fishery.

**NESP Project Type.** The project could consist of the following NESP project types: backwater restoration, topographical diversity, floodplain restoration, side channel restoration and use of dredge material for environmental purposes.

**Project Objective.** The project goals are to restore and protect off-channel aquatic habitat and restore floodplain forest habitat. The objectives identified to meet these goals are:

- Increase the amount of deep-water habitat in the backwater lakes and sloughs of the Andalusia Complex to provide year-round and overwintering fish habitat;

- Increase sustainability of aquatic habitat in the backwater lakes and sloughs of the Andalusia Complex by decreasing sedimentation; and
- Increase areal coverage of forest stands with hard mast-producing trees as a dominant or component species in the floodplain forest areas of the Andalusia Complex.

**Potential Measures.** The following are potential measures that could be combined into an implementable alternative that may be in the federal interest, address the identified problems, and achieve project objectives:

- Excavate channels in backwater lake, slough and side channel areas;
- Construct land and aquatic deflection berms; and
- Plant hard mast trees on land berms.

**Implementation Considerations.** The project was endorsed by the River Resources Coordinating Team on August 3, 2021. The following data needs have been identified: hydraulic modeling and freshwater mussel survey.

**Financial Information (Estimate).** The estimated Total Project Cost is approximately \$25M, to include monitoring and adaptive management costs of \$200,000. Project features would require minimal operation and maintenance costs. The project is located on USACE fee title Federal lands (out-granted to the Illinois DNR); therefore, the construction of this project would be 100% Federal and does not require a cost-share sponsor.