



# Pekin Lake SFWA - Northern Unit, Illinois, Section 519

U.S. ARMY CORPS OF ENGINEERS

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## Location

Pekin Lake SFWA is located along the Illinois River immediately downstream of Peoria Lock and Dam and adjacent to and west of the community of Pekin, Illinois.

## State(s)

IL

## Congressional District(s)

IL-17, IL-18

## Status

The Final Feasibility Report with Integrated Environmental Assessment was approved in October 2004. Development of Plans and Specification was initiated in September 2003. Final Plans and Specification are on hold pending Federal Construction funding. The Project Partnership Agreement will be executed prior to contract solicitation and award.

## Description

The principal problems at Pekin Lake SFWA - Northern Unit are altered hydrologic regimes, sedimentation, the loss of moist soil plant communities and foraging areas for herons due to sedimentation and willow invasion, resulting in reduced habitat value and biodiversity. These impacts have been experienced and are likely to be more pronounced as continued inputs of sediment and willow encroachment replace quality habitats. Backwater lakes and side channels along the Illinois River formerly provided a great variety of high quality habitat types with greater depth diversity. These areas formerly provided large areas of deep and shallow water habitat, numerous sloughs, and forested and non-forested wetland habitats. Pekin Lake SFWA - Northern Unit provides an excellent opportunity for restoration of many of these habitat types.

The project features included the following: Water Level Management, pumps and wells, rehabilitate Slim and Round Lakes, and Sculpting for Drainage in the Northern Unit. Water level management includes the reconstruction of an existing causeway into a levee and installation of a water control structure to allow for management of water levels within the northern unit. Pumps and wells will be installed to further improve the ability of site managers to control water levels for habit during critical times of the year. Slim and Round Lakes will have large areas of willow trees removed as well as shallow layers of underlying sediments. Portion of Worley Lake bottom sediments will be removed and sculpted so that water may drain through the water control structure.

Upon completion of the project features, approximately 682 acres of nationally significant habitat would be restored and made more productive. The benefits would be substantial as waterfowl, including threatened and endangered species, would have access to higher quality habitats.





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The State of Illinois owns all of the property with the exception of the CILCO Causeway and access points from the railroad and private property. The State of Illinois would serve as the sponsor for this project. The State's real estate interest will satisfy at least some of their 35% cost share.

### **Summarized Project Costs**

|                            | Construction Funds |
|----------------------------|--------------------|
| Estimated Federal Cost     | \$ 6,386,000       |
| Estimated Non-Federal Cost | \$ 3,439,000       |
| Total Cost                 | \$ 9,825,000       |
| Federal Allocation FY 15   | \$ 0               |

### **Major Work Item (This Fiscal Year)**

**FY2016:** No work

### **Major Work Item (Next Fiscal Year)**

**FY 2017:** Pending contribution of sponsor funds, federal construction funds in the amount of \$6,386K would execute a PPA, complete design, award a construction contract.

### **Authority Details**

Section 519 of the Water Resources Development Act of 2000, as amended (Ecosystem Restoration).

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