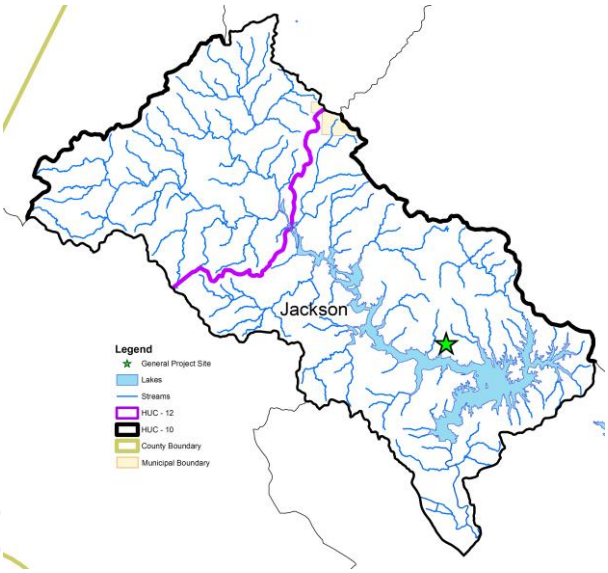
ILLINOIS EPA PROJECT COVER SHEET
SECTION 319 FFY2016



PROJECT TITLE (include application number):

Kinkaid Lake BMP Implementation (16A14)

SUB-RECIPIENT (Organization, address, phone number, contact name):

Kinkaid-Reed's Creek Conservancy District
1763 Water Plant Road
Murphysboro, Illinois 62966
618-687-1722
Mr. Ryan Guthman, Manager

TOTAL PROJECT COST: $ 129,725.00
319 FUNDS: $ 77,813.00
LOCAL FUNDS: $ 51,912.00
MATCH RATIO and SOURCE:
60% Federal – 40% Local (Kinkaid-Reed's Creek Conservancy District)

PROJECT TIME FRAME (months): 24

PROJECT SUMMARY:

This project will protect the beneficial uses of Kinkaid Lake (IL_RNC) from the impairments of nonpoint source (NPS) pollution. This project will stabilize 720 feet of shoreline that are in areas of either high moderate or severe categories of erosion. The project will also stabilize approximately 1,500 feet of gullies in close proximity to the lake. Kinkaid Lake has been awarded $410,000 from the USFS/NRCS Joint Chiefs' Landscape Restoration Partnership to do shoreline and gully stabilization, with this work to commence in 2016. This Section 319 project will augment the USFS/NRCS project.

- OUTPUTS:
  - 1,500 feet of gully stabilization.
  - 720 feet of shoreline stabilization.

- OUTCOMES:
  - Water quality protection of Kinkaid Lake (IL_RNC) and Kinkaid Creek (IL_NB-01) and restoration of the Big Muddy River (IL_N-99).
  - Reduced annual pollutant loadings of approximately 1,752 tons of sediment, 1,752 lbs of phosphorus, and 3,504 lbs of nitrogen.
  - Kinkaid Lake remaining full support for Public Water Supply and Aquatic Life Use.

Pollutant	Load Reduction Recommended By TMDL	Load Reduction Achieved by Project	% of TMDL Recommended Load Reduction Achieved by Project
Sediment (tons/year)	NA	1,752	NA
Phosphorus (pounds/year)	8,882	1,752	19.7% of reduction needed in TMDL
Nitrogen (pounds/year)	NA	3,504	NA

Items contained in the application that will NOT be part of the 319 project:

None.

Illinois' Nonpoint Source Management Program Milestones Addressed by Project:

A1, A2, A3, A5, A6, B2.

Notes of interest:

- Kinkaid Lake (IL_RNC) is an Illinois EPA priority lake for protection.
- This project is in a priority watershed to reduce nutrient loss (Non-point Sources-Phosphorus).
- Kinkaid Lake (IL_RNC) is a public water supply.
- Continued implementation of the *Phase I Diagnostic/Feasibility Study of Kinkaid Lake Jackson County, IL* through Section 319 and other funding sources is anticipated.

HUC or Segments Addressed:

HUC 071401061102; Segments: IL_RNC Kinkaid Lake, IL_NB-01 Kinkaid Creek, and IL_N-12 Big Muddy River.

Watershed-based Plan to be Implemented:

Big Muddy River TMDL Report (Implementation Plan for Kinkaid Lake). October 2004.

Phase I Diagnostic/Feasibility Study of Kinkaid Lake Jackson County, IL. September 2006. Cochran & Wilken, Inc.

Check all that apply to the application:

☐ Information/education
☐ Watershed-based Planning
X Watershed-based Plan Implementation
X TMDL Implementation
☐ Demonstration Project
☐ Monitoring
☐ Technical Assistance
☐ Research
☐ Other