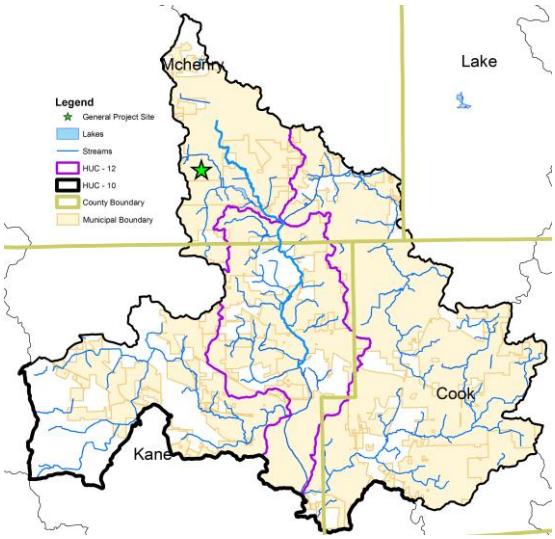
ILLINOIS EPA PROJECT COVER SHEET
SECTION 319 FFY2016

PROJECT TITLE (include application number):

Fetzner Park Riparian Area Restoration (16A03)



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

Crystal Lake Park District
One East Crystal Lake Avenue
Crystal Lake, Illinois 60014
815-459-0680
Ms. Ann Viger, Director of Planning & Development

TOTAL PROJECT COST: $ 183,550.00
319 FUNDS: $ 110,130.00
LOCAL FUNDS: $ 73,420.00
MATCH RATIO and SOURCE:
60% Federal – 40% Local (Crystal Lake Park District)

PROJECT TIME FRAME (months): 24

PROJECT SUMMARY:

This project will restore the riparian buffer and stabilize both banks (4,792 linear feet) of a 2,396 linear foot segment on a tributary of Woods Creek, which is a tributary of Lake in the Hills (IL_RTZZ), located in Fetzner Park in Crystal Lake, Illinois. Four rock riffle (cross vanes) grade control structures will be installed along with a ten acre riparian buffer of deep-rooted, native vegetation. Four information/educational signs will be placed along the adjacent bike/walking path and pedestrian bridge at the project site.

- OUTPUTS:
  - 4,792 linear feet of streambank stabilization.

- OUTCOMES:
  - Water quality protection of Woods Creek and restoration of Lake in the Hills (IL_RTZZ).
  - Reduced annual pollutant loadings of approximately 173 tons of sediment, 208 lbs of phosphorus, and 624 lbs of nitrogen.

Pollutant	Load Reduction Recommended By Plan	Load Reduction Achieved by Project	% of Plan Recommended Load Reduction Achieved by Project
Sediment (tons/year)	1,746	173	10
Total Suspended Sediment (pounds/year)	NA	48,709	NA
Phosphorus (pounds/year)	1,789	208	12
Nitrogen (pounds/year)	5,234	624	12

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

None.

Illinois' Nonpoint Source Management Program Milestones Addressed by Project:

A2, A3, A5, A6, B2.

Notes of interest:

- This project is in HUC 07120006, which is an Illinois EPA priority watershed for NPS implementation activities this year (FFY2016).
- This project is in a priority watershed to reduce nutrient loss (Point Sources-Nitrate & Phosphorus).
- A Phase 1 Diagnostic / Feasibility Study for Lake in the Hills was completed in 2000.
- Continued implementation of the *Woods Creek Watershed Based Plan* through Section 319 and other funding sources is anticipated.

HUC or Segments Addressed:

HUC 071200061201; Segment: IL_RTZZ Lake in the Hills.

Watershed-based Plan to be Implemented:

Woods Creek Watershed-Based Plan – A Strategy for Protecting and Restoring Watershed Health. January 2013. Applied Ecological Services, Inc.

Check all that apply to the application:

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