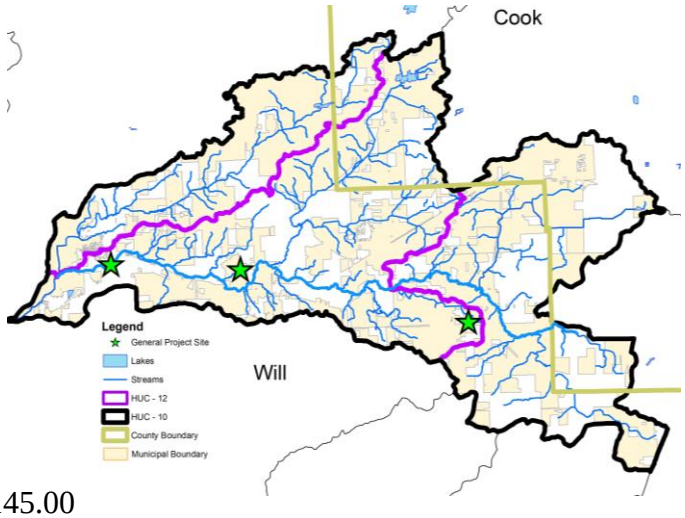
ILLINOIS EPA PROJECT COVER SHEET
SECTION 319 FFY2016

PROJECT TITLE (include application number):

Hickory Creek Green Infrastructure (16A26)



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

Hickory Creek Watershed Planning Group
1 Veterans Parkway
New Lenox, Illinois 60451
815-462-6490
Mr. Will Nash, Vice President

TOTAL PROJECT COST: $ 365,145.00
319 FUNDS: $ 0.00
LOCAL FUNDS: $ 365,145.00
MATCH RATIO and SOURCE:
0% Federal – 100% Local (Illinois EPA, Hickory Creek Watershed Planning Group)

PROJECT TIME FRAME (months): 24

PROJECT SUMMARY:

This project will implement best management practices (BMPs) at three sites in the Hickory Creek watershed. The Prestwick Streambank Restoration project component will stabilize approximately 2,800 feet of eroding streambank over four segments of Hickory Creek (IL_GG-06) within the Prestwick Country Club golf course in Frankfort, Illinois. The streambank will be stabilized by re-grading the bank as a two-stage ditch to reduce the slope and planting native vegetation (21,650 sq. ft.). The City of Joliet-Washington Street Sustainable Design project component will stabilize approximately 100 feet of eroding streambank along Hickory Creek (IL_GG-04) in Joliet, Illinois. Streambanks will be stabilized using a combination of stone toe protection, two rows of terraced gabions, two rows of green gabions with live willow stakes, three rows of willow fascines and live stakes, slope re-grading, and re-vegetation with deep-rooted native plants along with a rock outfall/energy dissipation/sediment control structure at outfall. The New Lenox VFW Streambank Stabilization project component will construct a 250 foot long bioswale (2,500 square feet) to filter, retain, and infiltrate stormwater runoff from the existing VFW parking lot and stabilize approximately 475 feet of eroding streambank on a segment of Hickory Creek (IL_GG-04) at the VFW in New Lenox, Illinois. The streambank will be stabilized by re-grading the bank, installing stone toe protection, and planting deep-rooted native vegetation.

- OUTPUTS:
  - 2,500 square feet of bioswale.
  - 3,375 linear feet of streambank stabilization.

- OUTCOMES:
    - Water quality restoration of Hickory Creek (IL_GG-06 & IL_GG-04).
    - Reduced annual pollutant loadings of approximately 121 tons of sediment, 1,275 lbs of total suspended sediment, 121 lbs of phosphorus, and 244 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)	6681	121	1.81
Total Suspended Sediment (pounds/year)	NA	1,275	NA
Phosphorus (pounds/year)	33,557	121	0.36
Nitrogen (pounds/year)	302,663	244	0.08

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, A3, A4, A5, A6.

Notes of interest:

- This project is in a priority watershed to reduce nutrient loss (Point Sources-Nitrate & Phosphorus).
- Continued implementation of the *Hickory Creek Watershed Plan* through Section 319 and other funding sources is anticipated.

HUC or Segments Addressed:

HUCs 071200040603 and 071200040601; Segments: IL_GG-04 and IL_GG-06 Hickory Creek.

Watershed-based Plan to be Implemented:

Hickory Creek Watershed Plan. June 2011. Hickory Creek Watershed Planning Group.

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