



Nonpoint Source Pollution Control Program Section 319 Annual Report



FAA 3192111 – The Elmhurst Park District Sugar Creek Restoration Project in Elmhurst, Illinois. The completed project used these conditions to construct wetland, a sediment forebay, a restored stream channel, and other water quality improvements to address unconsolidated sediment deposits previously discharging to Lower Salt Creek Watershed.

Illinois Environmental Protection Agency
Bureau of Water
Watershed Management Section
Nonpoint Source Unit



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1. Introduction

Nonpoint source (NPS) pollution includes pollution caused by rainfall or snowmelt moving over and through the ground and carrying natural and human-made pollutants into lakes, rivers, streams, wetlands, estuaries and other coastal waters, and ground water. Atmospheric deposition and hydrologic modification (unnatural changes to the shape, flow, or biology of streams and other aquatic systems) are also sources of NPS pollution.

The Clean Water Act of 1987 included a new national initiative to help states develop innovative NPS pollution control strategies. Under Section 319 of the Clean Water Act, the United States Environmental Protection Agency (USEPA) provides grants to states for the implementation of approved NPS management programs. Funding under these NPS program implementation grants has been used in Illinois to finance projects that demonstrate cost-effective solutions to nonpoint source problems and that promote the public's knowledge and awareness of NPS pollution.

Section 319(h)(11) of the Clean Water Act requires Illinois to report annually on its progress in meeting the schedule of milestones contained in [Illinois' Nonpoint Source Management Program](#), and, to the extent information is available, report reductions in NPS pollutant loadings and improvements in water quality resulting from program implementation. Furthermore, 40 CFR 31.40(b)(1) requires Illinois to submit annual performance reports on the status of Section 319 grants. This report was prepared to satisfy these conditions and to publicize Illinois' accomplishments in controlling NPS pollution.

2. Assessment of Nonpoint Source Pollution

Table 2.1. Summary of Causes of All Use Impairments in Streams.

Potential Cause of Impairment	2010		2012		2014		2016		2020/2022		2024	
	Miles	%	Miles	%	Miles	%	Miles	%	Miles	%	Miles	%
Oxygen, Dissolved	3,204	18.8	3,401	19.5	3,825	21.6	4,713	26.1	2,975	16.0	2,775	30.7
Fecal Coliform	3,265	19.2	3,620	20.7	3,640	20.5	3,739	20.7	4,056	21.8	3,944	43.6
Mercury	3,066	18.0	3,223	18.4	3,265	18.4	3,277	18.1	4,328	23.3	4,438	49.1
Polychlorinated biphenyls	2,817	16.6	2,947	16.9	2,988	16.9	3,037	16.8	3,365	18.1	3,434	38.0
Alteration in stream-side or littoral vegetative covers	2,181	12.8	2,348	13.4	2,557	14.4	2,808	15.6	2,006	10.8	1,706	18.9
Phosphorus (Total)	2,077	12.2	2,018	11.5	2,031	11.5	2,097	11.6	1,583	8.5	1,547	17.1
Sedimentation/Siltation	1,911	11.2	1,896	10.8	1,853	10.5	1,809	10.0	1,106	6.0	1,025	11.3
Loss of Instream Cover	704	4.1	1,331	7.6	1,595	9.0	1,712	9.5	1,331	7.2	1,212	13.4
Total Suspended Solids (TSS)	1,234	7.3	1,110	6.4	1,110	6.3	1,004	5.6	698	3.8	692	7.6
Changes in Stream Depth and Velocity Patterns	658	3.9	867	5.0	944	5.3	912	5.1	724	3.9	824	9.11
Other flow regime alterations	726	4.3	707	4.0	720	4.1	797	4.4	743	4.0	-	-
Manganese	2,013	11.8	1,992	11.4	1,208	6.8	765	4.2	166	0.9	162	1.8
Cause Unknown	1,460	8.6	625	3.6	727	4.1	734	4.1	2,034	10.9	2,944	32.6
Iron	248	1.5	307	1.8	344	1.9	657	3.6	393	2.1	824	9.1
pH	585	3.4	438	2.5	493	2.8	508	2.8	282	1.5	287	3.2
Chloride	444	2.6	422	2.4	422	2.4	506	2.8	125	0.7	207	2.3
Aquatic Algae	424	2.5	363	2.1	383	2.2	467	2.6	490	2.6	597	6.6
Bottom Deposits	-	-	157	0.9	225	1.3	307	1.7	0	0.0	-	-
Atrazine	280	1.6	338	1.9	312	1.8	214	1.2	195	1.0	117	1.3
Temperature, water	47	0.3	99	0.6	113	0.6	186	1.0	0	0.0	-	-
Fish-Passage Barrier	139	0.8	152	0.9	161	0.9	167	0.9	41	0.2	48	0.5
Aldrin	153	0.9	153	0.9	153	0.9	162	0.9	2,541	13.7	2,618	29.0
Hexachlorobenzene	148	0.9	149	0.9	149	0.8	156	0.9	-	-	-	-
Aquatic Plants (Macrophytes)	174	1.0	108	0.6	139	0.8	142	0.8	-	-	-	-
Arsenic	138	0.8	134	0.8	134	0.8	136	0.8	-	-	-	-
Dioxin (including 2,3,7,8-TCDD)	131	0.8	131	0.7	131	0.7	131	0.7	-	-	168	1.9
Methoxychlor	137	0.8	132	0.8	132	0.7	129	0.7	-	-	-	-
Chlordane	98	0.6	99	0.6	99	0.6	99	0.5	-	-	-	-
DDT	93	0.5	93	0.5	93	0.5	98	0.5	-	-	-	-
Odor	-	-	87	0.5	87	0.5	98	0.5	-	-	-	-
Nickel	51	0.3	52	0.3	48	0.3	78	0.4	-	-	-	-
Sulfates	159	0.9	131	0.7	131	0.7	70	0.4	-	-	-	-
Copper	73	0.4	75	0.4	59	0.3	64	0.4	-	-	-	-
Nitrogen, Nitrate	85	0.5	86	0.5	76	0.4	59	0.3	-	-	-	-
Nitrogen (Total)	-	-	-	-	-	-	-	-	-	-	-	-
Endrin	65	0.4	66	0.4	66	0.4	58	0.3	-	-	-	-
Total Dissolved Solids	143	0.8	35	0.2	92	0.5	56	0.3	-	-	-	-
Zinc	65	0.4	55	0.3	51	0.3	56	0.3	-	-	-	-
Low flow alterations	38	0.2	39	0.2	39	0.2	51	0.3	-	-	-	-
Silver	52	0.3	36	0.2	29	0.2	46	0.3	-	-	-	-
Ammonia (Total)	47	0.3	45	0.3	45	0.3	45	0.2	-	-	-	-
Boron	36	0.2	45	0.3	45	0.3	45	0.2	-	-	-	-
Barium	32	0.2	33	0.2	33	0.2	43	0.2	-	-	-	-
Sludge	22	0.1	32	0.2	36	0.2	38	0.2	-	-	-	-
Cadmium	27	0.2	32	0.2	32	0.2	35	0.2	-	-	-	-
Turbidity	-	-	32	0.2	32	0.2	32	0.2	-	-	-	-
Color	-	-	12	0.1	12	0.1	31	0.2	-	-	-	-
Nonnative Fish, Shellfish, or Zooplankton	9	0.1	25	0.1	25	0.1	31	0.2	-	-	-	-
Phenols	60	0.4	31	0.2	89	0.5	31	0.2	-	-	-	-
Alterations in wetland habitats	-	-	-	-	19	0.1	28	0.2	-	-	-	-
Visible Oil	-	-	19	0.1	25	0.1	28	0.2	-	-	-	-
Oil and Grease	32	0.2	36	0.2	13	0.1	24	0.1	-	-	-	-
Simazine	-	-	-	-	23	0.1	23	0.1	-	-	62	0.7
Terbufos	125	0.7	126	0.7	126	0.7	22	0.1	-	-	-	-
Lindane	22	0.1	22	0.1	22	0.1	21	0.1	-	-	-	-
Dieldrin	20	0.1	20	0.1	20	0.1	17	0.1	-	-	2,858	31.6
Chromium (total)	14	0.1	14	0.1	14	0.1	17	0.1	-	-	-	-
Fluoride	36	0.2	35	0.2	17	0.1	15	0.1	-	-	-	-
Chlorine	14	0.1	14	0.1	14	0.1	14	0.1	-	-	-	-
Heptachlor	13	0.1	13	0.1	13	0.1	13	0.1	-	-	2,763	30.6
Debris/Floatables/Trash	-	-	-	-	-	-	11	0.1	-	-	-	-
Lead	6	0.0	6	0.0	6	0.0	11	0.1	-	-	-	-
Petroleum Hydrocarbons	-	-	-	-	-	-	11	0.1	-	-	-	-
alpha-BHC	6	0.0	6	0.0	6	0.0	8	0.0	-	-	-	-
Ammonia (Un-ionized)	8	0.0	9	0.1	3	0.0	6	0.0	-	-	-	-
Ethanol	-	-	83	0.5	83	0.5	6	0.0	-	-	-	-
Fish Kills	4	0.0	84	0.5	84	0.5	4	0.0	-	-	-	-
Total Assessed	17,010		17,476		17,717		18,056		18,508		9,042	

The Illinois Environmental Protection Agency's (Illinois EPA) *Assessment of Nonpoint Source Impacts on Illinois Water Resources* (Assessment) was developed in response to the 1987 amendments to the Clean Water Act (CWA). The Assessment report addresses the extent, causes, and effect of nonpoint source pollution in Illinois and is used to assist the State in acquiring CWA Section 319 federal funds. These funds are used to support both statewide and local implementation projects to protect water resources and correct water quality problems caused by NPS pollution. The Assessment was published in August of 1988. Update of the Assessment is achieved through the biennial [Illinois Integrated Water Quality Report and Section 303\(d\) List](#) required by Sections 305(b) and 303(d) of the CWA. Assessment methodologies are described in the original Assessment as well as in the latest biennial *Illinois Integrated Water Quality Report and Section 303(d) List* and the [Illinois Water Monitoring Strategy](#).

2.1 Streams

For reporting cycle 2024, 9,042 miles (7.6%) of the total 119,244 miles of streams in Illinois have been assessed for attainment of at least one designated use. The major potential causes of impairment in Illinois streams are fecal coliform bacteria impairing Primary Contact; mercury, polychlorinated biphenyls, aldrin, dieldrin, and heptachlor in fish tissue impairing Fish Consumption; low dissolved oxygen, physical-habitat alterations, phosphorus, siltation, and total suspended solids impairing Aquatic Life; and atrazine, iron, and simazine impairing Public and Food Processing Water.

In reporting cycle 2016, 10,948 miles (60.6%) of the assessed streams in Illinois have been identified as "perennial waters within the State which, without additional action to control NPS pollution, cannot reasonably be expected to obtain or maintain applicable water quality standards or the goals and requirements of the Clean Water Act."

Important nonpoint sources of impairment have historically included atmospheric deposition of toxics, crop production and agriculture, hydrologic modifications such as channelization and loss of riparian habitat, and urban runoff/storm sewers. Dissolved oxygen, fecal coliform, alteration in streamside or littoral vegetative cover, phosphorus, sedimentation/siltation, loss of instream cover, and total suspended solids were the greatest NPS related causes of streams not attaining full support ratings.

2.2 Lakes

For reporting cycle 2024, a total of 105 lakes were assessed for at least one of the six uses: Aquatic Life, Fish Consumption, Primary Contact, Public and Food Processing Water Supply, Aesthetic Quality, and Indigenous Aquatic Life. A total of 86,945 lake acres were assessed for attainment of at least one designated use. This represents 26.8% percent of the total lake and pond acreage with at least one designated use (324,168 acres) in the State. Overall, the percent of lake acres assessed out of those with at least one designated use has remained relatively consistent over the last ten cycles – about 46 to 49 percent. As with streams, each designated use in a lake is assessed as attained or not attained.

In reporting cycle 2016, 98% of the assessed lakes in Illinois had been identified as "perennial waters within the State which, without additional action to control nonpoint sources of pollution, cannot reasonably be expected to obtain or maintain applicable water quality standards or the goals and requirements of the Clean Water Act."

Table 2.2. Summary of Causes of All Use Impairments in Lakes.

Potential Cause of Impairment	2010		2012		2014		2016		2020/2022		2024	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
Phosphorus (Total)	105,580	71.3	107,150	71.5	107,648	71.8	132,003	87.2	130,147	81.6	132,455	152.3
Total Suspended Solids (TSS)	116,889	79.0	115,663	77.2	113,330	75.6	117,388	77.5	56,539	74.2	56,539	65.0
Mercury	77,514	52.4	78,132	52.2	78,337	52.3	78,337	51.7	118,386	35.4	120,752	138.9
Aquatic Algae	104,478	70.6	104,479	69.7	75,111	50.1	40,569	26.8	19,030	18.1	19,030	21.9
Polychlorinated biphenyls	25,817	17.4	25,836	17.2	25,859	17.3	25,859	17.1	28,865	11.9	28,865	33.2
Aquatic Plants (Macrophytes)	36,897	24.9	32,783	21.9	31,134	20.8	25,353	16.7	6,789	4.9	6,789	7.8
Oxygen, Dissolved	7,314	4.9	5,570	3.7	6,575	4.4	12,495	8.3	7,777	4.3	7,777	8.9
Cause Unknown	9,765	6.6	8,910	5.9	9,669	6.5	10,029	6.6	6,747	4.2	6,740	7.8
Chlordane	4,820	3.3	4,820	3.2	4,820	3.2	4,820	3.2	4,220	2.6	4,220	4.9
Sedimentation/Siltation	6,401	4.3	4,511	3.0	4,511	3.0	4,450	2.9	4,246	1.0	4,246	4.9
Silver	4,194	2.8	4,194	2.8	4,194	2.8	4,194	2.8	4,194	2.7	4,194	7.8
Aldrin	3,345	2.3	3,345	2.2	3,345	2.2	3,345	2.2	19,942	12.5	23,725	27.3
Nitrogen, Nitrate	807	0.5	172	0.1	-	-	3,072	2.0	3,072	1.9	-	-
Nitrogen (Total)	-	-	-	-	-	-	-	-	-	1.9	-	-
pH	3,233	2.2	2,017	1.3	2,017	1.3	2,946	1.9	1,597	1.0	2,876	3.3
Turbidity	4,568	3.1	4,660	3.1	4,695	3.1	1,531	1.0	1,531	0.8	1,531	1.8
Manganese	58,871	39.8	59,588	39.8	1,168	0.8	1,168	0.8	1,251	0.0	1,093	1.2
Terbufos	-	-	-	-	-	-	929	0.6	0	0.8	-	-
Fecal Coliform	722	0.5	722	0.5	722	0.5	722	0.5	1,312	0.8	1,311	1.5
Total Dissolved Solids	250	0.2	635	0.4	635	0.4	657	0.4	22	0.4	-	-
Nonnative Fish, Shellfish, or Zooplankton	634	0.4	634	0.4	634	0.4	634	0.4	634	2.1	634	0.7
Cadmium	524	0.4	524	0.3	524	0.3	524	0.3	524	0.3	524	0.6
Endrin	524	0.4	524	0.3	524	0.3	524	0.3	19,921	12.5	19,921	22.9
Zinc	524	0.4	524	0.3	524	0.3	524	0.3	524	0.3	524	0.6
Atrazine	3,755	2.5	3,192	2.1	4,272	2.9	497	0.3	3,277	0.2	6,369	7.3
Nickel	325	0.2	325	0.2	325	0.2	325	0.2	325	0.1	325	0.4
Color	-	-	525	0.4	310	0.2	310	0.2	35	0.1	-	-
Fluoride	-	-	-	-	172	0.1	172	0.1	172	0.1	172	0.2
Hexachlorobenzene	-	-	-	-	172	0.1	172	0.1	172	0.0	172	0.2
Odor	-	-	-	-	35	0.0	75	0.0	35	0.0	-	-
Simazine	-	-	74	0.0	1,554	1.0	75	0.0	1,222	0.0	1,042	1.2
Non-Native Aquatic Plants	634	0.4	62	0.0	62	0.0	62	0.0	86	0.0	86	0.1
Debris/Floatables/Trash	-	-	-	-	35	0.0	35	0.0	35	0.0	-	-
Copper	-	-	-	-	-	-	4	0.0	0	81.6	-	-
Total Assessed	148,014		149,792		149,849		151,435		159,510		86,945	

Important nonpoint sources of impairment to lakes have included crop production and agriculture, littoral and shoreline modifications, runoff from forest/grassland/parkland, other recreational pollution sources, atmospheric deposition of toxics, and urban runoff/storm sewers. Phosphorus, total suspended solids, aquatic algae, aquatic plants (macrophytes), dissolved oxygen, and sedimentation/siltation were identified as the greatest NPS related causes of lakes not attaining full support ratings.

2.3 Lake Michigan

For reporting cycle 2024, a total of 196 of the 1,526 square miles (12.8%) of Lake Michigan open waters in Illinois' jurisdiction were assessed for the degree of aquatic life use support. All 196 square miles are fully supporting aquatic life designated use. 64 miles of Lake Michigan shoreline in Illinois were assessed as Not Supporting for Primary Contact and Fish Consumption due to contamination from E. coli bacteria.

A total of 2.15 square miles (100%) of Lake Michigan bays and harbors in Illinois' jurisdiction were assessed for aquatic life use support. Contaminated sediments and urban runoff/storm sewers were identified as the sources of NPS pollution impacting Lake Michigan bays and harbors in

Illinois. Cadmium, chromium, copper, lead, phosphorus, and zinc have been historically identified as the causes of Lake Michigan bays and harbor not attaining full support ratings.

Lake Michigan includes a total of 64 shoreline miles, forming the northeastern portion of Illinois' border. A total of 16.26 miles of Lake Michigan shoreline in Illinois were assessed as fully supporting for primary contact use while the remaining 48 miles were assessed as not supporting due to contamination from Escherichia coli bacteria.

2.4 Wetlands

Illinois once contained more than eight million acres of wetlands. According to the 2021 National Wetlands Inventory that number now stands at approximately 3,473,793 acres, which remains more than a 60% increase over the number of acres that were reported in 2015. With the exception of Riverine, all wetland type acres increased. To measure the quality of Illinois' wetlands and meet the requirements of the Clean Water Act (CWA), Illinois EPA developed a [Wetland Monitoring and Assessment Program for the State of Illinois](#).

Table 2.3. Wetlands in Illinois

Wetland Type	2015 Acres	2018 Acres	2021 Acres
Freshwater Emergent Wetland	255,045	257,658	260,549
Freshwater Forested/Shrub Wetland	1,002,119	1,009,925	1,010,600
Freshwater Pond	164,081	169,962	169,979
Lake	643,923	1,465,234	1,465,810
Riverine	227,811	584,907	565,505
Other	1,743	1,048	1,346
Total	2,294,720	3,488,734	3,473,793

2.5 Ground Water

To assess ground water quality, the Illinois EPA operates a probabilistic network of community water supply wells consisting of 364 fixed locations. The last groundwater report in the Integrated Report was in reporting cycle 2016. At that time, 146 wells within this network were rated as Fully Supporting ("good"), 160 were rated as Not Supporting ("fair"), and 58 were rated as Not Supporting ("poor").

Table 2.4. Use Support in Community Water Supply Wells.

	2006		2008		2010		2012		2014		2016	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Fully Supporting ("good")	317	89.0	265	74.4	236	66.7	236	66.7	274	76.8	146	40.1
Not Supporting ("fair")	34	9.6	83	23.3	90	25.4	90	25.4	44	12.3	160	44.0
Not Supporting ("poor")	5	1.4	8	2.2	28	7.9	28	7.9	39	10.9	58	15.9
Total Assessed	356		356		354		354		357		364	

2.6 National Monitoring Program

USEPA's Section 319 National Monitoring Program is designed to provide credible documentation of the feasibility of controlling nonpoint sources, and to improve the technical understanding of nonpoint source pollution and the effectiveness of nonpoint source control technology and approaches. These objectives are to be achieved through intensive monitoring and evaluation of a subset of watershed projects funded under Section 319. More information about [Section 319 National Monitoring Program Projects](#) can be found at the North Carolina State University website. Table 2.9 identifies the National Monitoring Program studies that have been completed in Illinois.

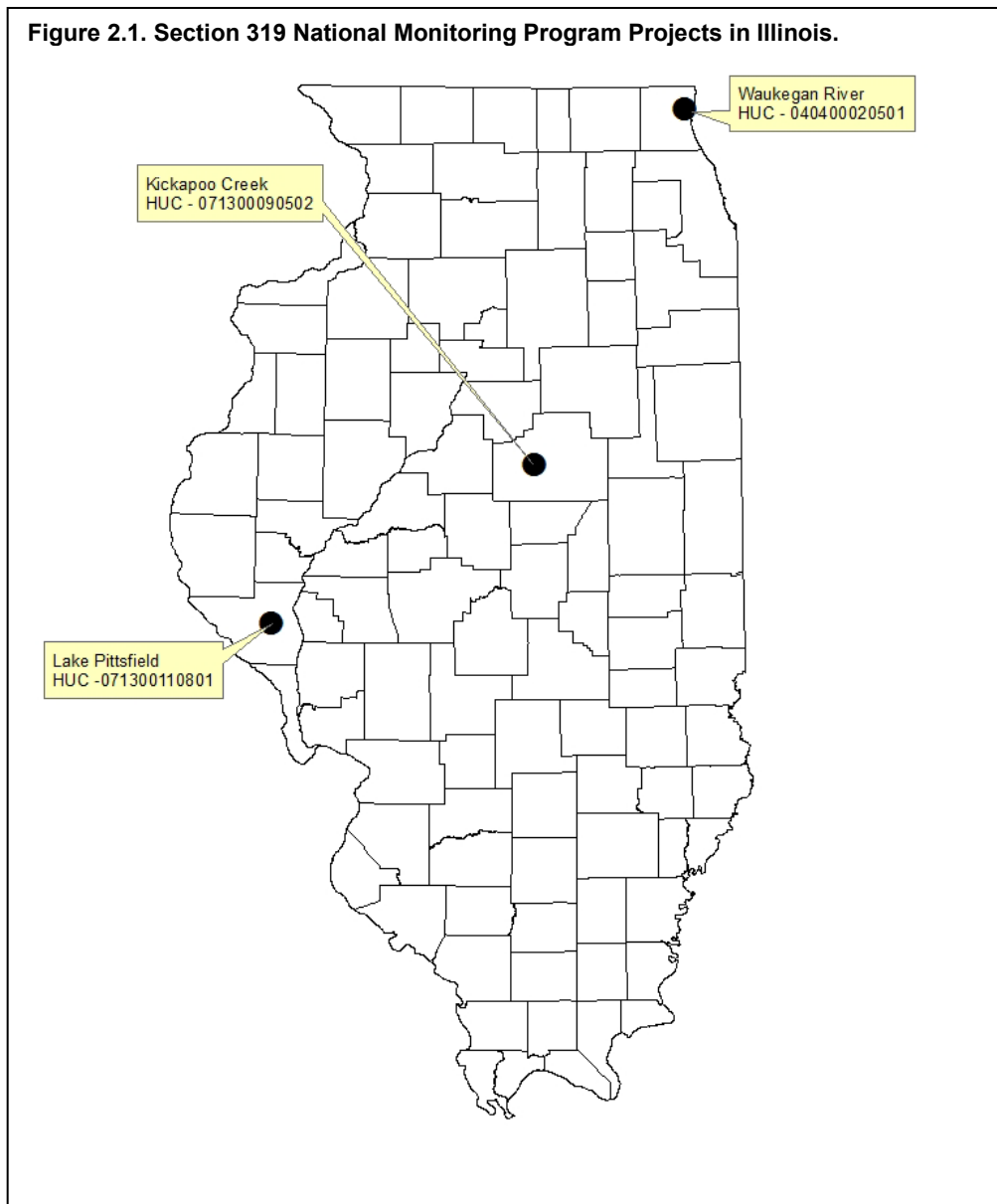


Table 2.5. Section 319 National Monitoring Program Projects in Illinois.

Watershed Name	Waukegan River	Lake Pittsfield	Kickapoo Creek
Hydrologic Unit Code	040400020501	071300110801	071300090502
Year Monitoring Began	1994	1992	2007
Year Approved as Section 319 National Monitoring Project	1996	1994	2007
Year Monitoring Ended	2009	2004	2015
Variables Measured	Fish, Macroinvertebrates, Habitat, Dissolved oxygen (DO), Temperature, Flow	Total phosphorus (TP), Dissolved phosphorus (DP), Total Kjeldahl nitrogen (TKN), Nitrate + nitrite (NO3 + NO2), Ammonia nitrogen (NH3+ NH4+), Total suspended solids (TSS), Volatile suspended solids (VSS), pH, Total alkalinity, Phenolphthalein alkalinity, Specific c conductivity, Water temperature, Dissolved oxygen (DO), Atrazine (started in 1999), Rainfall	Stream fisheries IBI, Macroinvertebrates, Stream habitat and geomorphology, Suspended sediment concentration and load, Nutrient concentrations and loads, Total phosphorus (TP), Soluble phosphorus, Total N, Ammonia N Nitrite+Nitrate N, Dissolved oxygen, pH, Water temperature, Specific conductance, Discharge, Precipitation, Sediment particle size distribution, Floodplain and riparian vegetation surveys, Construction activities
Purpose	To demonstrate the effectiveness of biotechnical stream restoration techniques implemented on the Waukegan River.	To demonstrate the effectiveness of sediment retention basins, grade controls, shoreline stabilization, and other agricultural erosion control BMPs implemented in the Lake Pittsfield watershed.	To determine the effectiveness of stream restoration techniques, construction erosion controls, and floodplain wetland restoration implemented in the Kickapoo Creek watershed.
Total Cost to Date	\$656,214	\$854,029	\$1,566,392
Section 319 Cost to Date	\$368,304	\$610,696	\$1,231,835
Match Cost to Date	\$287,910	\$243,333	\$334,557

3. Illinois Nonpoint Source Management Program

The Illinois EPA's Illinois Nonpoint Source Management Program (Program) report was completed in 1989 in response to Section 319 of the 1987 Clean Water Act (CWA). In 1994, the Program report was completely revised and updated. In 1997, the Illinois EPA initiated 1) a self-assessment of the Program report utilizing U.S. EPA's suggested outline (Nine Key Elements) and 2) a revision of the Program report to satisfy the requirements of U.S. EPA's 1997 Nonpoint Source Program and Grant's Guidance. In 1999, the Illinois EPA completed its revisions and received USEPA approval of the Program report for upgraded status. In 2000, U.S. EPA approved Illinois' Nonpoint Source Management Program for Enhanced Benefits Status. In 2010, the Illinois EPA initiated a comprehensive update of the Program and submitted a draft to U.S. EPA in August 2011. In 2013, the Illinois EPA completed its revisions and received U.S. EPA approval of the updated [Illinois' Nonpoint Source Management Program](#) (Program) report. In 2019, Illinois EPA updated the Program milestones and started its next update to the Program. US EPA provided new guidance to the states and Illinois EPA plans to submit the draft update by November 20, 2024.

The Program report provides an overview of program initiatives that will be utilized to address water resource problems as identified in the Assessment report. The Program report supplements the [Illinois Water Quality Management Plan](#) (WQMP), which included the initial program material from which the Program report was developed.

The mission of the Program is to:

- 1) establish and implement effective, integrated, and holistic actions for the abatement and prevention of known and presumed water quality impairments ensuing from NPS pollution,
- 2) foster multi-agency cooperation and local stakeholder input on the development, maintenance, implementation, and evaluation of this statewide plan of action,
- 3) safeguard water quality from NPS pollution, consistent with the social and economic needs of the state, so as to protect health, welfare, property, and the quality of life, and
- 4) satisfy the informational and procedural requirements of a state nonpoint source management program as stipulated under Section 319 of the Clean Water Act and associated federal guidance, including the nine key program elements of a successful state program as defined by U.S. EPA.

The long-term goals of the Program are:

- 1) The restoration and protection of all beneficial uses of Illinois' surface and groundwater resources from impairment by NPS pollution. This goal will be achieved through watershed-based assessment, planning, implementation, and education activities carried out as part of an effective and efficient process that employs both regulatory and non-regulatory programs, agencies, authorities, and stakeholders.
- 2) The prioritization and targeting of impaired waterbodies for the selection and implementations of NPS pollution control measures so as to efficiently and expeditiously restore and protect the full support of their designated uses.
- 3) Effective communication, coordination, collaboration, and education among all partners and stakeholders involved in NPS pollution control.
- 4) The refinement and development of monitoring and assessment tools to better determine NPS pollution impairments, including nutrient impacts on Illinois waters.

3.1 Environmental Justice

The upcoming update to the Program, which includes the Grant Program, will include incorporation of Environmental Justice areas in terms of prioritization of both Program efforts and prioritization of grant recipients.

Illinois EPA has an Environmental Justice Program and is committed to protecting the health of the citizens of Illinois and its environment, and promoting environmental equity in the administration of its programs to the extent it may do so legally and practicably. The Illinois EPA supports the objectives of achieving environmental equity for all the citizens of Illinois.

"Environmental Justice" is based on the principle that all people should be protected from environmental pollution and have the right to a clean and healthy environment. Environmental Justice is the protection of the health of the people of Illinois and its environment, equity in the administration of the State's environmental programs, and the provision of adequate opportunities for meaningful involvement of all people with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies.

Illinois EPA's Environmental Justice policies and activities will continue to develop, as appropriate, through the normal course of its regulatory and programmatic duties. Illinois EPA recognizes that its current policy alone will not achieve environmental equity in all instances. Moreover, public and private commitment to the implementation of this policy is needed to achieve the goals of this policy and to promote environmental equity in Illinois. The addition of Environmental Justice into the Illinois' Nonpoint Source Management Program will help Illinois EPA increase public and private commitment to protect Illinois' water resources.

3.2 Climate Change

The upcoming update to the Program, which includes the Grant Program, will include incorporation of climate change in terms of prioritization of both Program efforts and prioritization of grant recipients.

Illinois EPA is committed to addressing the causes and impacts of climate change and variability and is committed to protecting the health of the citizens of Illinois and its environment to the extent it may do so legally and practicably. Illinois EPA recently released a March 2024 Draft Priority Climate Action Plan that aims to reduce greenhouse gas (GHG) emissions. This Priority Climate Action Plan was developed by the Illinois Environmental Protection Agency to specifically address the obstacles and challenges in meeting the state's GHG emission reduction targets, co-pollutant targets and goals, and community benefits goals, by targeting gaps in funding for critical pathways to achieve those goals.

In addressing climate challenges, the Illinois Nonpoint Source Program focuses its efforts on climate resilience and adaptation. Resilience is the ability to prepare for, recover from, and adapt to the effects of climate change." Adaptation means actions taken to build resilience and to adjust to the impacts of climate change on society and the environment.

While many of the nonpoint source problems facing the state have causes in changes to the landscape that alter water flows overland and in streams, changes in climate impact overland flows and stream flow during extreme events. This means there is greater likelihood of more extreme floods and droughts. Larger volumes of water entering streams at greater velocity can overwhelm natural streambanks, stream channels, shorelines, and other natural areas that hold and manage waters as well as projects that restore previously impaired areas. These challenges need to be taken into account in planning and implementing BMPs for greater resilience due to the anticipated changes in climate risks.

Addressing nonpoint source pollution through nature-based BMPs such as bioretention systems, floodplain and stream restoration or stabilization, wetland creation, reforestation, and agricultural conservation approaches like cover crops and riparian buffers. These practices also address resilience to droughts, floods, fires, urban heat islands, landslides, erosion, and harmful algal blooms. Illinois EPA will integrate USEPA's climate-smart initiatives and guidance for Section 319 grants and are reflected in the program activities including identifying local climate challenges, addressing them in watershed future plans and implementing projects.

4. Implementation of Illinois' Nonpoint Source Management Program

4.1 Program Objectives and Milestones

The 2013 Program included short- and medium-term goals and corresponding milestones. These goals were updated in 2019. These short- and medium-term goals, together with their milestones and an implementation schedule, are identified in Table 4.1. Table 4.1 also includes an informal “gap analysis” designed to report progress made toward accomplishing the goals and milestones as scheduled and to suggest any Program modifications that might be necessary.

Table 4.1. 2019 Program Short- and Medium-Term Objectives and Milestones.

TX #	STATUS	CITATION/DESCRIPTION
ENVIRONMENTAL BENEFITS -		
A1	Ongoing	
		The percent of assessed stream miles in Illinois impaired by NPS pollution in 2016 (60.6%) will decrease to 57.5% in 2022.
A2	Ongoing	
		The percent of assessed lake acres in Illinois impaired by NPS pollution in 2016 (98.2%) will decrease to 97.2% in 2022.
A3	Not met FY18 and FY21 – Illinois EPA needs to capture load reduction data from State partner agencies to confirm that this goal has indeed been met. Rising construction costs led to higher cost/ton reductions.	BMPs implemented by the following FFY workplans resulted in the following annual sediment load reductions. FFY 2014 – 15,876 tons/year FFY 2015 – 13,211 tons/year FFY 2016 – 17,750 tons/year FFY 2017 – 14,361 tons/year FFY 2018 – 8,351 tons/year FFY 2019 – 10,118 tons/year FFY 2020 – 3,042 tons/year FFY 2021 – 5,582 tons/year FFY 2022 - TBD
		Each Federal fiscal year from 2018 through 2022, Illinois EPA will achieve an additional annual load reduction in <u>sediment</u> of 10,000 tons/year (as estimated with approved U.S. EPA models) discharged to water resources through the installation of new NPS pollution control BMPs implemented with funding under Section 319 (or with approved match sources) and completed during that particular Federal fiscal year. <i>This objective corresponds to National Water Program Guidance Measure WQ-09c.</i>
A4	Met	BMPs implemented by the following FFY workplans resulted in the following annual TSS load reductions. FFY 2014 – 57,500 pounds/year FFY 2015 – 1,312,316 pounds/year FFY 2016 – 249,556 pounds/year FFY 2017 – 574,253 pounds/year FFY 2018 – 79,808 pounds/year FFY 2019 – 495,564 pounds/year FFY 2020 – 83,167 pounds/year FFY 2021 – 3,752,979 pounds/year FFY 2022 - TBD
		Each Federal fiscal year from 2018 through 2022, Illinois EPA will achieve an additional annual load reduction in <u>total suspended solids</u> of 50,000 pounds/year (as estimated with approved U.S. EPA models) discharged to water resources through the installation of new NPS pollution control BMPs implemented with funding under Section 319 (or with approved match sources) and completed during that particular Federal fiscal year.
A5	Not met FY19, FY20 and FY 21 not met – Illinois EPA needs to capture load reduction data from State partner agencies to confirm that this goal has indeed been met. Rising construction	BMPs implemented by the following FFY workplans resulted in the following annual nitrogen load reductions. FFY 2014 – 39,862 pounds/year FFY 2015 – 42,710 pounds/year FFY 2016 – 55,715 pounds/year FFY 2017 – 32,491 pounds/year FFY 2018 – 66,937 pounds/year FFY 2019 – 17,303 pounds/year
		Each Federal fiscal year from 2018 through 2022, Illinois EPA will achieve an additional annual load reduction in <u>nitrogen</u> of 20,000 pounds/year (as estimated with approved U.S. EPA models) discharged to water resources through the installation of new NPS pollution control BMPs implemented with funding under Section 319 (or with approved match sources) and completed

during that particular Federal fiscal year. <i>This objective corresponds to National Water Program Guidance Measure WQ-09a.</i>	costs led to higher cost/pound reductions.	FFY 2020 – 17,990 pounds/year FFY 2021 – 7,096 pounds/year FFY 2022 - TBD
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Each Federal fiscal year from 2018 through 2022, Illinois EPA will achieve an annual load reduction in <u>phosphorous</u> of 10,000 pounds/year (as estimated with approved U.S. EPA models) discharged to water resources through the installation of new nonpoint source pollution control best management practices implemented with funding under Section 319 (or with approved match sources) and completed during that particular Federal fiscal year. <i>This objective corresponds to National Water Program Guidance Measure WQ-09b.</i>	Not met - FY22 BMP implementation still underway and Illinois EPA needs to capture load reduction data from State partner agencies to confirm that this goal has indeed been met. Rising construction costs led to higher cost/ton reductions.	BMPs implemented by the following FFYs resulted in the following annual phosphorus load reductions. FFY 2014 – 17,559 pounds/year FFY 2015 – 17,822 pounds/year FFY 2016 – 20,294 pounds/year FFY 2017 – 15,325 pounds/year FFY 2018 – 14,634 pounds/year FFY 2019 – 10,425 pounds/year FFY 2020 – 2,627 pounds/year FFY 2021 – 6,673 pounds/year FFY 2022 - TBD
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A6

PROGRAMATIC -establish and implement effective, integrated, and holistic actions for the abatement and prevention of known and presumed water quality impairments ensuing from NPS pollution; foster multi-agency cooperation and local stakeholder input on the development, maintenance, implementation, and evaluation of this statewide plan of action; safeguard water quality from NPS pollution, consistent with the social and economic needs of the state, so as to protect health, welfare, property, and the quality of life; and satisfy the informational and procedural requirements of a state nonpoint source management program as stipulated under Section 319 of the Clean Water Act and associated federal guidance, including the nine key program elements of a successful state program as defined by U.S. EPA.

The RMMS database will continue to be updated monthly and information added to track present and historical BMP implementation (date, type, location, effectiveness, etc.) by state and federal agencies.	Ongoing, but behind schedule – Illinois EPA is working with the University of Illinois to remaster RMMS to fit the current ERSI structure.	BMPs implemented under Section 319 and IGIG are tracked through RMMS. Illinois EPA worked with other agencies to promote the use of RMMS to track BMPs implemented under other programs. Illinois Department of Agriculture’s SSRP, CPP, and WDP have been added to RMMS.
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B1

A 305(b) assessment of Illinois Waters and a 303(d) List of Impaired Waters will be submitted to U.S. EPA Region V for review and approval in 2024. Update of the Illinois EPA’s Assessment of Nonpoint Source Impacts on Illinois Water Resources (Assessment) will be achieved through the biennial Illinois Integrated Water Quality Report required by Section 305(b) and 303(d) of the CWA.	Met	Integrated Report was combined for years 2020 and 2022 into the 2020/2022 report. The 2024 Report is being finalized after public input.
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B2

Six (6) NPS causes of impairment will be eliminated from 303(d)-listed waterbodies during 2018 through 2022 by restoration actions so that the waterbody either fully supports the use or meets the water quality criterion for that particular pollutant or stressor for which it had been impaired. <i>This objective corresponds to National Water Program Guidance Measure WQ-10a.</i>	Ongoing	Significant staff changes in the Surface Water and Watershed Management Sections has delayed confirmation of attainment of this goal.
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B3

Illinois EPA will work with Federal partners to align NPS pollution control programs and determine deficiencies.	Ongoing	Illinois EPA will provide full update to the Program following receipt of new federal guidance.
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B4

B5	Annually submit a success story or success story update to U.S. EPA Region V for consideration. <i>This objective corresponds to National Water Program Guidance Measure WQ-10a.</i>	Not Met	New NPS Unit staff have attended U.S. EPA Success Story training and are researching potential Section 319 projects as topics for submittal.
B6	Satisfy all conditions explained in the 2016 findings document and receive full approval from NOAA and U.S. EPA by 2020 of Illinois' Coastal Nonpoint Pollution Control Program, developed under the Coastal Zone Act Reauthorization Amendments of 1990 (CZARA), and continue program implementation.	Met	The Illinois' Coastal Nonpoint Pollution Control Program was approved by NOAA and U.S. EPA in 2022.
B7	Annually the Illinois EPA will issue a request for proposals soliciting applications for Section 319(h) funding for projects that prevent, eliminate, or reduce water quality impairments by NPS pollution.	Met	During the following Section 319 grant cycles Illinois received. FFY15 – 33 apps. for \$10 million. FFY16 – 45 apps for \$7.7 million. FFY17 – 37 apps for \$12 million. FFY18 – 28 apps for \$9 million. FFY19 – 28 apps for \$9 million. FFY20 – 27 apps for \$8.8 million. FFY21 – 28 apps for \$11.3 million. FFY22 – 32 apps for \$10.9 million. FFY23 – 24 apps for \$10.2 million. FFY24 – 43 apps for \$21.4 million
B8	Each year during 2018 through 2022, Illinois EPA will utilize approximately \$1.5 million of state funds (received from repayment of loans issued under the Water Pollution Control Loan Program) for TMDL development and grant awards issued under its Section 319(h) – Nonpoint Source Pollution Control Financial Assistance Program and as match for federal funds received under Section 319 of the Clean Water Act.	Ongoing	Due to turnover in Fiscal and Watershed Management Section staffing, the TMDL RFPs have been delayed. The funds committed by Illinois EPA will be invested in the upcoming TMDL development.
B9	As loan applications allow, each year during 2018 through 2022, at least 5% of the capitalization grants received from U.S. EPA for Illinois' Water Pollution Control Loan Program will be set-aside to finance "Section 319 type projects" (i.e., NPS projects that implement <i>Illinois' Nonpoint Source Management Program</i> . BMP implementation data (date, type, location, pollutant load reduction, cost, etc.) for these projects will be entered into RMMS.	Ongoing	Loan awards have been made, awaiting construction to occur before data can be entered into RMMS. See Table 4.9 for additional details.
NUTRIENTS-Provide programs and initiatives for the development of nutrient reductions in the state to address water quality protection.			
C1	Per Illinois' Long-term Vision for Assessment, Restoration, and Protection Under the CWA Section 303(d) Program Illinois EPA will develop TMDLs or TMDL alternatives (i.e., WBPs) for all 303d listed nutrient pollutants (total phosphorus, total nitrogen, dissolved oxygen, and fecal coliform bacteria) in eight – 10 digit HUC watersheds (0709000501, 0709000503, 0512010901, 0512010902, 0512011206, 0512011211, 0512011401, 0512011402) by the year 2022.		Upper Rock River - 0709000501 Beach Creek - 0709000503 Big Four Ditch - 0512010901 Saline Branch - 0512010902 Cassel Creek – 0512011206 and 0512011211 East Br. Green Creek - 0512011401 Salt Creek - 0512011402

C2	Per the Illinois Nutrient Loss Reduction Strategy , Illinois EPA will propose numeric water quality standards for nutrients (nitrogen and phosphorus) to the Illinois Pollution Control Board, along with a plan for implementing those standards, by the year 2019. <i>This objective corresponds to National Water Program Guidance Measure WQ-01.</i>	Not Met	Illinois EPA has instead developed a Nutrient Assessment Reduction Plan (NARP) Program to help address nutrient loads from major point source dischargers. NARP includes a watershed component to encourage NPS pollution control.
C3	Illinois EPA will provide support, through Section 319 grant opportunities, monitoring assistance, and technical advisory assistance for NRCS targeted watershed programs (i.e., MRBI, NWQI, RCPP). Annually Illinois EPA will provide monitoring, laboratory analysis, and technical assistance in at least one designated NRCS targeted watershed program.	Met	
C4	By the year 2022, at least 25% of the "Nonpoint Sources - Nitrate Priority Watersheds for Nutrient Loss Reduction" and 50% of the "Nonpoint Sources – Phosphorus Priority Watersheds for Nutrient Loss Reduction" will be covered by a current (2010 or later) watershed-based plan.	Ongoing	Watershed-based plans have been approved for the Mill Creek and portions of the Embarras River watersheds.
C5	Per the Illinois Nutrient Loss Reduction Strategy , the total nitrogen load to the Mississippi River Basin from NPS in Illinois in the year 2011 (448,700,000 pounds/year, which is 84% of all TN loadings) will decrease 15% (67,305,000 pounds/year) by the year 2025.	Ongoing	Met
C6	Per the Illinois Nutrient Loss Reduction Strategy , the total phosphorus load to the Mississippi River Basin from NPS in Illinois in the year 2011 (19,400,000 pounds/year - which is 52% of all TP loadings) will decrease 25% (4,850,000 pounds/year) by the year 2025.	Ongoing	
C7	The percent of assessed stream miles in Illinois impaired by low dissolved oxygen in 2016 (26.1%) will decrease to 20% in 2022.	Met	See 2020/2022 Integrated Report
C8	The percent of assessed stream miles in Illinois impaired by fecal coliform in 2016 (20.7%) will decrease to 18% in 2022.	Not Met	See 2020/2022 Integrated Report
C9	Support two Watershed Coordinators in Nutrient Priority Watersheds to assist and coordinate watershed planning and implementation and build watershed group capacity.	Met	

C10	An update of the Illinois Nutrient Loss Reduction Strategy will be completed in the year 2020.	Met	The NLRS report was updated in 2017, 2019, 2021, and 2023
GROUNDWATER-Create projects and programs to increase the number of groundwater wells sampled; to educate and inform the public about the various ways in which NPS pollution problems in shallow, rural wells and in groundwater can be reduced; that increase the number of investigations, which assist in the identification of alternative best management practices that help minimize surface runoff and leaching of pesticides.			
D1	Report on the progress of the Groundwater NPS Program for NPS Source Impacts to Groundwater in the ICCG Biennial Report.	Not Met	
D2	Training and BMP implementation will be used to foster road salt application BMPs and training to prevent and reduce chloride contamination trends in Priority Regional Groundwater Protection Planning Areas and in designated Class III: Special Resource Groundwater Areas. (Groundwater Section)	Met	Illinois EPA provided 319 grant award to The Conservation Foundation to develop the "Salt Smart Certified – Parking Lots & Sidewalks Training and Certification Program" as part of its "Smart Salt" project. This includes workshops and attendee certification.
WETLANDS- Promote voluntary projects and programs to increase public awareness of wetlands and their benefits through education, demonstrations, and wetland monitoring. Planning, design, and implementation of BMPs for wetland NPS control projects should be evaluated and compared across a large cross section of restoration sites. This will allow identification of common characteristics, which contribute to project success, regardless of its geographic location or type.			
E1	At least 10 acres of wetlands will be restored (established and re-established) or improved (enhanced and rehabilitated) with funding under Section 319 (or with approved match sources) during 2018 through 2022. <i>This objective corresponds to National Water Program Guidance Measure WT-01.</i>	Met	Over 20 wetland acres were restored in 2018. An additional 10 acres will be constructed from FFY 2022 Section 319 projects. An additional 50 acres of wetlands will be restored through the GIGO program.
E2	Wetland protection will be incorporated into WBPs. The NPS components of Illinois EPA-approved WBPs will be incorporated by reference into the NPS Program and implementation of WBPs will be tracked through RMMS.	Ongoing	
EDUCATION-Encourage the creation, improvement and training of information and education programs that specifically explain NPS pollution, evaluation, prevention, implementation, restoration/preservation and planning through displays, audio and visual presentation materials, and printed materials.			
F1	Had been the VLMP goal.	Removed	Removed as the Illinois EPA staff that ran the program retired.
F1	Develop and hold, once every two years, a NPS Pollution Control Workshop. To be held alternatively upstate and downstate; agricultural and urban topics. The first workshop was held in November 2012.	Adapted	Covid restrictions and staff turnover prevented hosting these meetings in recent years. Replaced with webinars and direct technical assistance by Illinois EPA staff.
F2	An update of the June 2007 Guidance for Developing Watershed Action Plans in Illinois will be completed by the year 2022.	Not Met	Outside vendor not identified for completion of the project.
F3	The Illinois EPA, in cooperation with AISWCD, will update and maintain the Illinois Urban Manual (IUM) technical guide for use in Illinois EPA's wastewater construction permit applications, and as	Met	The manual is currently being updated through a grant from the 604b program.

general guidance in the design of urban NPS pollution controls. Internet access of designs will continue to be available and updated.		
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MONITORING-Review, and when appropriate expand on monitoring efforts throughout the State. Evaluate and incorporate monitoring initiatives into NPS pollution reduction programs as part of the comprehensive watershed approach. Develop initiatives and programs that employ monitoring efforts as an educational tool to make sound and adaptive planning decisions. Apply the relevant data into the documentation of long-term water quality trends. Continue to incorporate the data collected into an accessible and useable database.

G1	Investigate the initiation of watershed monitoring and reporting for one new Section 319 National Monitoring Program Project by 2022.	Not Met	U.S. EPA had reached out regarding possibility of resurrecting the NMP, Illinois EPA is interested, but no determination has been made.
G2	Illinois EPA will complete development of the 2020-2025 Illinois Water Monitoring Strategy by September 2019. Consideration will be given to comments provided by Region V on the Agency's previous strategy; new state and federal priorities; availability of Agency staff and financial resources; technical capabilities; etc.	Not Met	Significant staff changes within the Surface Water Section and need to transition into ATTAINS delayed the update to the Strategy.
G3	Implementation of the Illinois EPA's "Illinois Water Monitoring Strategy" (which identifies specific monitoring sites, methods, schedules, parameters, etc. and is incorporated by reference as part of this Program).	Ongoing	
G4	Biannually have a Social Indicator Project either started or in the process of completion.	Not Met	Limited vendor opportunity to pursue SI projects.

PLANNING-Develop programs and projects that are supported by local interest; create intergovernmental cooperation; develop comprehensive resource management plans for the protection or restoration of lakes, streams, reservoirs, and groundwater aquifers.

H1	During 2018 through 2022, twelve (12) watershed-based plans covering at least twenty (20) 12-digit hydrologic unit codes (HUCs) will be completed or updated.	Met	FFY18: 3 FFY19: 3 FFY20: 4 FFY21: 4 FFY22: 4
H2	Incorporate groundwater and source water protection into WBPs.	Ongoing	
H3	Watershed-based plans that meet the 9 minimum elements, as determined by Illinois EPA, will be identified in Illinois EPA's Section 319 Biannual Report and the RMMS website. The NPS components of Illinois EPA-approved watershed-based plans will be incorporated by reference into the NPS Program and implementation of watershed-based plans will be tracked through RMMS.	Ongoing	

4.2 Key Partners and Programs

The success of *Illinois' Nonpoint Source Management Program* (Program) depends upon cooperation among state, federal, local, and private partners. Coordination of resources and programs is critical in accomplishing the Program's goals. A portion of Illinois' key partners and programs, and their achievements, are summarized below. A number of our State and federal partners continue to have limited reporting abilities due to staff changes and challenges due to COVID.

Table 4.2. Funding in Illinois Under Key Programs. NA = Not Available

Program	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
IEPA Nonpoint Source Program (319)	\$6,254,000	\$6,190,100	\$6,397,000	\$6,619,000	\$6,539,000	\$6,474,000	\$6,748,000	\$6,930,000	\$6,930,000	\$6,930,000
IEPA Lakes Program	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IEPA Illinois Green Infrastructure Grant Program (IGIG)	\$5,507,095	NA	NA	NA	NA	NA	NA	NA	NA	NA
IEPA Green Infrastructure Grant Opportunities (GIGO)	NA	NA	NA	NA	NA	NA	NA	\$5,000,000	\$5,000,000	
IEPA State Revolving Fund (SRF) NPS Projects	NA	NA	\$3,121,415	\$12,416,984	NA	NA	NA	NA	NA	NA
IDA Streambank Stabilization and Restoration Program (SSRP)	\$125,000	\$0	\$0	NA	NA	NA	NA	NA	NA	NA
IDA Conservation Practice Program (CPP), Nutrient Management Program (NMP), Well Decommissioning Program (WDP)	\$649,000	\$0	\$0	NA	NA	NA	NA	NA	NA	NA
IDA Sustainable Agriculture (SA)	\$0	\$0	\$0	NA	NA	NA	NA	NA	NA	NA
IDA Soil and Water Conservation District Grants	\$6,211,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
IDNR Conservation Reserve Enhancement Program (CREP)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IDNR Illinois Coastal Grant Program	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NRCS Environmental Quality Incentives Program (EQIP)	\$10,675,404	\$10,830,410	NA	NA	NA	NA	NA	NA	NA	NA
NRCS Conservation Stewardship Program (CSP)	\$8,522,651	\$11,040,146	\$7,433,262	NA	NA	NA	NA	NA	NA	NA
NRCS Wetland Reserve Program (WRP)	\$1,967,263	\$2,267,171	\$2,756,560	NA	NA	NA	NA	NA	NA	NA
Regional Conservation Partnership Program (RCP)	NA	\$303,382	\$719,846	NA	NA	NA	NA	NA	NA	NA
Total	\$39,911,413	\$30,327,827	\$19,708,237	\$19,035,984	\$6,539,000	\$6,474,000	\$6,748,000	\$11,930,000	\$11,930,000	\$6,930,000

Table 4.3. Pollutant Load Reductions Achieved in Illinois Under Key Programs. (as reported in the March 2020 report)

Program	Year	Load Reductions Achieved Since Year			
		Nitrogen Load Reduction (lbs/year)	Phosphorus Load Reduction (lbs/year)	Total Suspended Solids Load Reduction (lbs/year)	Sediment Load Reduction (tons/year)
IEPA Nonpoint Source Program (319)	1990	1,119,428	503,279	5,244,818	648,136
IEPA Lakes Program	-	Not Available	Not Available	Not Available	Not Available
IEPA Illinois Green Infrastructure Grant Program (IGIG)	2011	1,971	432	166,089	225
IEPA State Revolving Fund (SRF) NPS Projects	2016	0	0	0	0
IDA Streambank Stabilization and Restoration Program (SSRP)	2001	150,428	75,888	-	77,321
IDA Conservation Practice Program (CPP)	2011	46,204	23,161	-	18,540
IDNR Illinois Coastal Grant Program	-	Not Available	Not Available	Not Available	Not Available
NRCS Environmental Quality Incentives Program (EQIP)	-	Not Available	Not Available	Not Available	Not Available
NRCS Conservation Stewardship Program (CSP)	-	Not Available	Not Available	Not Available	Not Available
NRCS Wetland Reserve Program (WRP)	-	Not Available	Not Available	Not Available	Not Available
Total		1,318,031	602,760	5,410,907	744,222

4.2.1 United States Department of Agriculture

The United States Department of Agriculture Natural Resources Conservation Service (NRCS) operates several programs that serve an important role in accomplishing the goals of *Illinois' Nonpoint Source Management Program*, including:

- [Agricultural Conservation Easement Program \(ACEP\)](#),
- [Conservation Stewardship Program \(CSP\)](#),
- [Environmental Quality Incentives Program \(EQIP\)](#),
- [Regional Conservation Partnership Program \(RCP\)](#), and
- [Mississippi River Basin Healthy Watersheds Initiative \(MRBI\)](#).

Table 4.4. NRCS Top 10 Conservation Practices Applied by Land Use, Program, and Fiscal Year

Practice and Practice Code	2019		2020		2021		2022		2023	
	Acres	Count	Acres	Count	Acres	Count	Acres	Count	Acres	Count
Conservation Cover (327)		476		1,779	27,071	3,755	35,420	4,701		4,352
Conservation Crop Rotation (328)	284,251	8,843	361,014	11,480	330,586	10,483	281,995	9,104	374,694	12,383
Conservation Crop Rotation -Enhancements (E328)	7,314	387	38,268	1,578	16,195		44,356	1,607	69,308	2,070
Cover Crop (340)	56,623	1,595	60,693	1,970	61,931	1,789	73,801	2,437	109,634	3,448
Cover Crop -Enhancements (E340)	11,814		49,892	1,709	23,365		32,332	1,118	61,579	1,955
Early Successional Habitat Development-Mgt (647)		663		1,331		943		1,696		
Field Border (386)						793				
Filter Strip (393)		596								
Grassed Waterway (412)						964				
Nutrient Management (590)	7,498				15,439		27,429		48,064	1,973
Nutrient Management -Enhancements (E590)	33,177	764	146,535	4,342	51,926	1,482	57,109	1,786	139,233	4,056
Pest Management Conservation System -Enhancements (E595)			27,224	1,220	15,907	739	32,007	1,352	40,649	1,956
Residue and Tillage Management, No Till (329)	65,171	2,213	61,408	2,885	85,801	3,032	98,265	3,097	94,809	3,152
Residue and Tillage Management, No Till -Enhancements (E329)	6,587		19,697						56,056	
Residue and Tillage Management, Reduced Till (345)	68,260	1,847	76,526	1,860	81,193	3,020	75,216	2,455	119,626	4,161
Residue and Tillage Management, Reduced Till -Enhancements (E345)			25,826							
Underground Outlet (620)	7,665									
Water and Sediment Control Basin (638)		433								

The activities and accomplishments of these programs are reported annually through a new [RCA Data Portal](#) that pulls information from the NRCS National Planning and Agreements Database (NPAD), 2005-2023. “Top” practices are the most common practices according to the selected metric (acreage or count), area (the specific states selected), program, and years. Changing any of these filters can change the practices included and their ranking. Table 4.4 shows the top 10 NRCS conservation practices by acres and total number of practices applied for the program per year. Figure 4.1 represents a pie chart of the top 10 practices by acres averaged from 2019 through 2023 while Figure 4.2 represents a line graph showing the top 10 practices by acres for each fiscal year from 2019 through 2023.

Figure 4.1. Top 10 Practices by Acres Averaged from 2019 through 2023

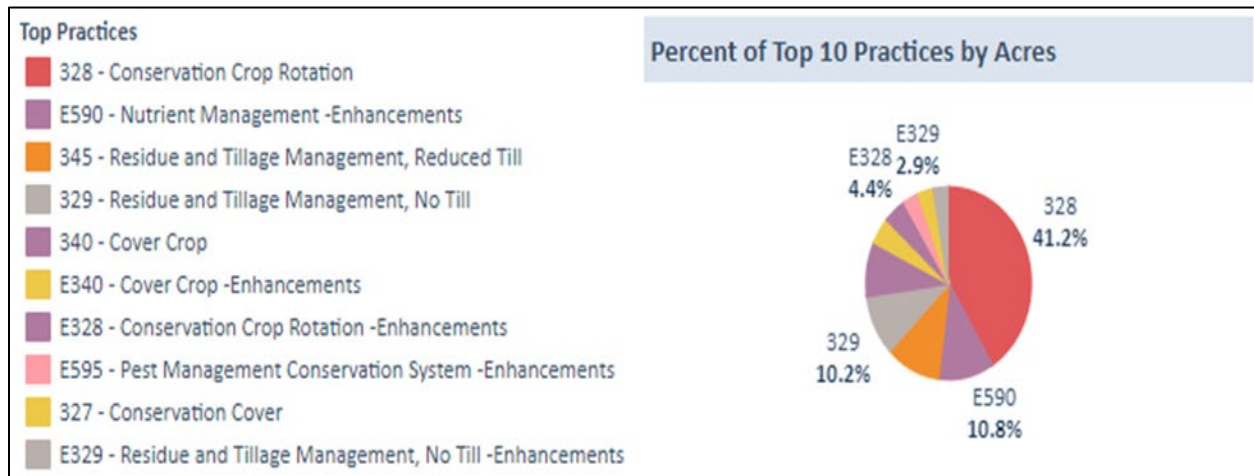
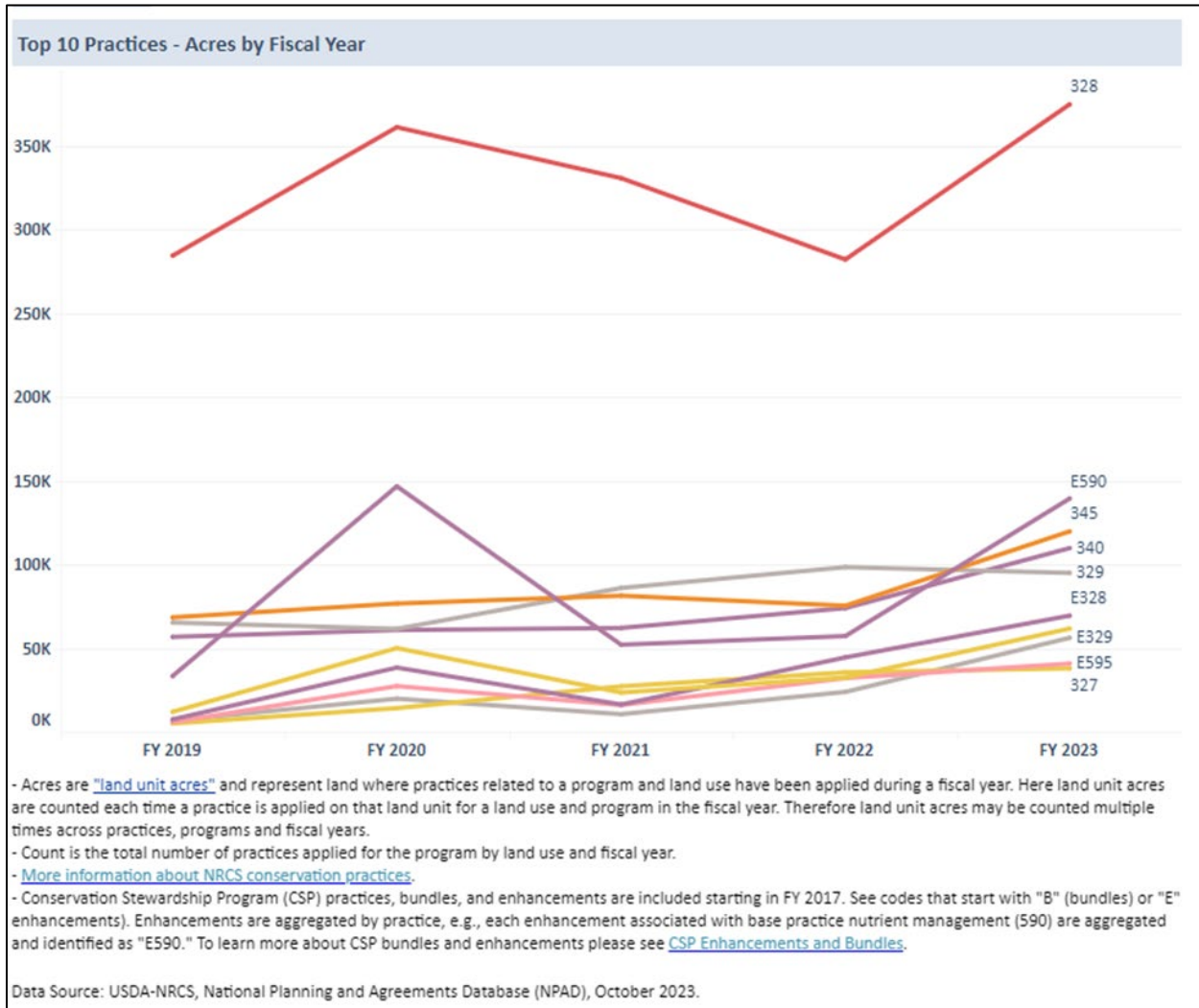


Figure 4.2. Top 10 Practices by Acres per Fiscal Year 2019 through 2023

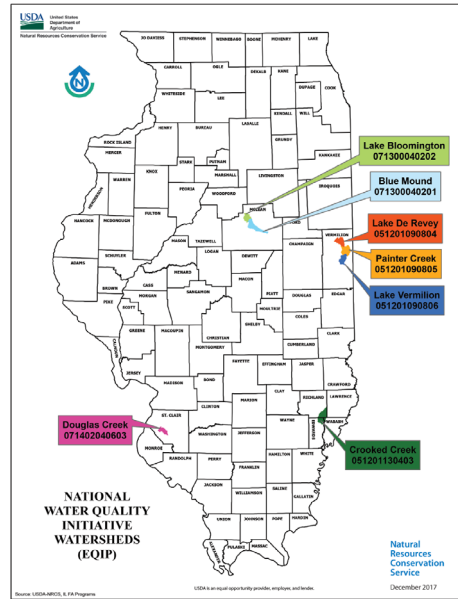


Typically information is aggregated at the HUC-12 level. Through the [National Water Quality Initiative](#) (NWQI), eligible producers can invest in voluntary conservation practices to help provide cleaner water for their neighbors and communities. Using funds from EQIP, NRCS will provide financial and technical assistance to producers for implementing conservation practices such as cover crops, grassed waterways, terraces, and water and sediment control basins in watersheds with impairments where federal investments can make a difference in improving water quality. Currently there are seven NWQI watersheds in Illinois.

Figure 4.3. NWQI Watersheds in Illinois.

Table 4.5. NWQI Watersheds in Illinois.

Hydrologic Unit Code (HUC)	Watershed Name
051201090804	Lake De Revey - North Fork Vermilion River
051201090805	Painter Creek - North Fork Vermilion River
051201090806	Lake Vermillion - North Fork Vermilion River
051201130403	Crooked Creek - Bonpas Creek
071402040603	Douglas Creek
071300040202	Lake Bloomington - Money Creek
071300040201	Blue Mound - Money Creek



In FFY 2015 the Illinois EPA began monitoring water quality on an unnamed tributary to the North Fork Vermilion River in a sub-watershed of HUC 051201090804 (Lake DeRevey) in an effort to assess the effects of conservation practices implemented in association with the NWQI.

Figure 4.4. NWQI Lake De Revey Watershed.

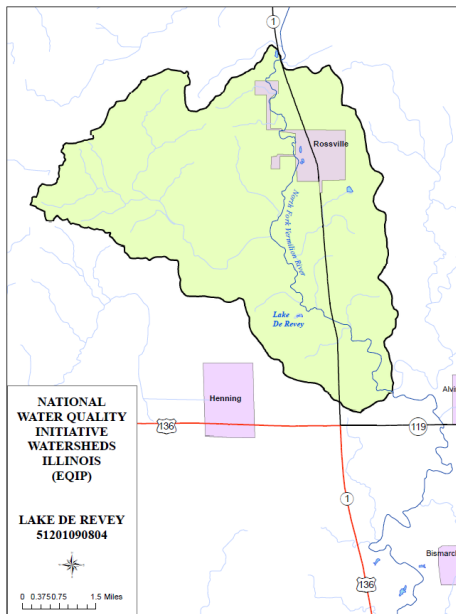
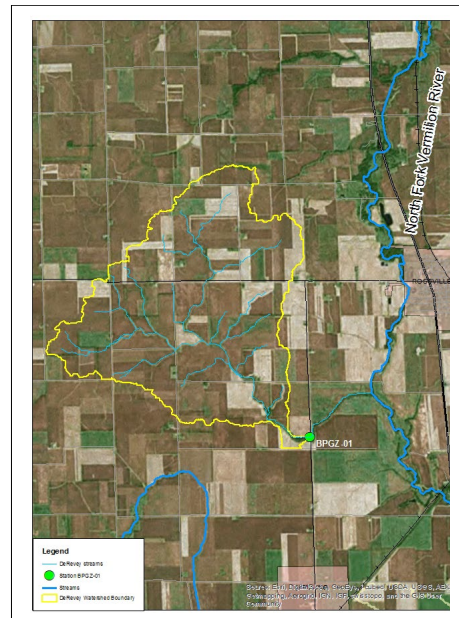


Figure 4.5. NWQI Lake De Revey Monitoring.



The United States Department of Agriculture Farm Service Agency (FSA) participates in the oversight of a number of voluntary conservation-related programs, including the [Conservation Reserve Program](#), [Conservation Reserve Enhancement Program](#) (administered by Illinois department of Natural Resources), [CRP Grasslands](#), and [Farmable Wetlands Program](#). CRP programs results can be found at the new [RCA Data Portal](#).

4.2.2 Illinois Department of Agriculture

The Illinois Department of Agriculture (IDA) operates several programs that help accomplish the goals of the *Illinois' Nonpoint Source Management Program* (Program), including:

- Conservation Practices Program (CPP),
- Well Decommissioning Program (WDP),
- Streambank Stabilization and Restoration (SSRP),
- Nutrient Management Program (NMP),
- Vegetative Filter Strip Assessment Law, and
- Soil Conservation Transect Survey.

The activities and accomplishments of these and other programs are reported annually in the Illinois Department of Agriculture's [Illinois Conservation Partnership Annual Report](#). Also, individual best management practices (BMP) implemented in Illinois with funding under SSRP, CPP, and WDP are tracked geographically through the University of Illinois and Illinois EPA's RMMS website. Table 4.6 quantifies the BMPs implemented since the date identified along with associated annual pollutant load reductions.

Table 4.6. IDA Programs - Summary of Completed BMPs. (as reported in the March 2020 report)

BMP Name	Program	Since Date	Number	Acres	Feet	Nitrogen Reduction (lbs/year)	Phosphorus Reduction (lbs/year)	Sediment Reduction (tons/year)
Cover and green manure crops	CPP	2011	-	17,742	-	8,163	4,141	3,052
Critical area planting	CPP	2011	-	283	-	712	356	353
Diversion	CPP	2011	-	-	4,040	263	131	131
Diversions	CPP	2011	-	-	910	5	2	2
Grade stabilization structure	CPP	2011	1,584	-	19,365	3,215	1,626	1,559
Grassed waterway	CPP	2011	-	7,844	-	9,216	4,623	4,608
No-till or strip-till planting	CPP	2011	-	2,332	-	2,547	1,269	1,048
Pastureland and hayland planting	CPP	2011	-	597	-	4,589	2,292	2,080
Rain Gardens	CPP	2011	4	-	-	-	-	-
Residue mgmt, mulch till	CPP	2011	-	566	-	202	100	82
Ridge-till	CPP	2011	-	4	-	44	22	14
Temporary cover	CPP	2011	-	3	-	-	-	-
Terraces (underground outlet)	CPP	2011	-	-	75,521	2,318	1,162	835
Water and sediment control basin	CPP	2011	520	-	160,017	14,930	7,437	4,774
Streambank and Shoreline Protection	SSRP	2001	-	-	371,423	150,294	75,821	77,254
Stream Channel Stabilization	SSRP	2001	-	-	1,365	134	67	67
Well Decommissioning	WDP	2004	1,289	-	-	-	-	-

4.2.3 Illinois Department of Natural Resources

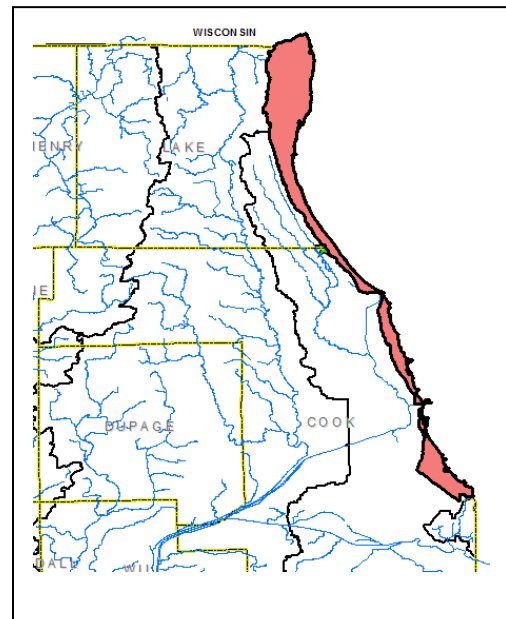
The Illinois Department of Natural Resources' (IDNR) [Conservation Reserve Enhancement Program](#) (CREP) is an enhanced version of the USDA Conservation Reserve Program (CRP). CREP is a federal, state, and local partnership designed to retire frequently flooded and environmentally sensitive cropland to achieve restoration and long-term protection. In Illinois, landowners implement conservation practices in the eligible CREP watershed to reduce sedimentation and nutrients, improve water quality, and to create and enhance critical habitat for fish and wildlife populations. Activities and accomplishments are summarized in [CREP Annual Reports](#). CREP enrollment was suspended in 2015, but recently been reestablished.

On January 31, 2012, the [Illinois Coastal Management Program](#) received Federal approval from the National Oceanic Atmospheric Administration (NOAA), Office of Ocean and Coastal Resources Management. IDNR administers the [Illinois Coastal Grant Program](#). These federal pass-through grants are funded by NOAA through the IDNR. The [Illinois Coastal Nonpoint Pollution Control Program](#) (also known as the Coastal Clean Waters Program), developed by IDNR, in partnership with Illinois EPA, was submitted for review by NOAA and the U.S. Environmental Protection Agency (USEPA) in July of 2014. Pursuant to the Coastal Zone Act Reauthorization Amendments of 1990 (CZARA), on August 23, 2016, NOAA and U.S. EPA approved the *Illinois Coastal Nonpoint Pollution Control Program* subject to certain conditions explained in a findings document. The program received full approval on August 30, 2022.

Figure 4.6. CREP Eligibility Map.



Figure 4.7. Illinois Coastal Zone.



4.2.4 Illinois Environmental Protection Agency

4.2.4.1 Nonpoint Source Success Stories

[Section 319 Nonpoint Source Success Stories](#) highlight waterbodies where restoration efforts have resulted in water quality improvements in NPS impaired waterbodies. Success Stories are a key measure in the effort to document how NPS restoration efforts are improving water quality. This measure, known as WQ-10, is part of USEPA's [National Water Program Guidance](#). Success stories had been separated into one of the following three types, depending on the type of water quality improvement demonstrated.

- Type 1. Waters that are partially or fully restored,
- Type 2. Waters that show progress toward achieving water quality goals, and
- Type 3. Waters that show ecological restoration.

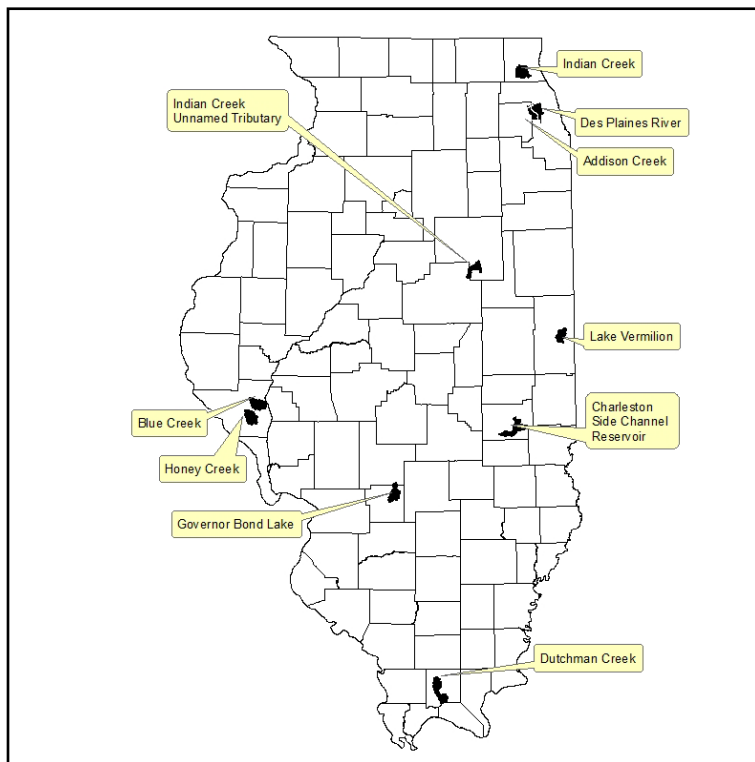
U.S. EPA has continued to update and improve the Success Story requirements and submittal process through GRTS.

Table 4.7. Illinois Success Stories approved by USEPA.

Waterbody	Year	Type	Waterbodies
Addison Creek	2008	1	1
Governor Bond Lake	2008	1	1
Dutchman Creek	2009	1	1
Charleston Side Channel Reservoir	2010	1	1
Des Plaines River	2010	1	2
Indian Creek	2012	1	1
Honey Creek	2012	1	1
Lake Vermilion	2013	1	2
Blue Creek	2015	1	1
Indian Creek Unnamed Tributary	2016	1	1

Note: A Success Story for Mill Creek Rasmussen Lake was submitted to USEPA in September 2022. It is currently under review.

Figure 4.8. Illinois Success Stories approved by U.S. EPA.



4.2.4.2 Total Maximum Daily Loads

Section 303(d) of the Clean Water Act requires that a Total Maximum Daily Load (TMDL) be developed for each pollutant of an impaired waterbody. The establishment of a TMDL sets the pollutant reduction goal necessary to improve impaired waters. It determines the load, or quantity, of any given pollutant that can be allowed in a particular waterbody. A TMDL must consider all potential sources of pollutants, whether point or nonpoint. In addition to providing a list of impaired waters, the [Illinois Integrated Water Quality Report and Section 303\(d\) List](#) describes Illinois' TMDL program and process.

On December 5, 2013, USEPA announced a new collaborative [framework](#) for implementing the Section 303(d) program with states. In response, Illinois developed its [Long-term Vision for Assessment, Restoration and Protection under Section 303\(d\) of the Clean Water Act](#), which was approved by USEPA on September 16, 2015.

After the reduced pollutant loads have been determined, an implementation plan is developed for the watershed spelling out the actions necessary to achieve the goals. The plan specifies limits for point source discharges and recommends best management practices (BMPs) for nonpoint sources. It also estimates associated costs and lays out a schedule for implementation. [TMDL reports](#) and information on the status of TMDL development are posted on Illinois EPA's website.

Beginning in federal fiscal year 2014, TMDLs developed with Section 319 funding must include an implementation plan that meets the nine minimum elements of a watershed-based plan found in [Appendix C of the Nonpoint Source Program and Grants Guidelines for States and Territories dated April 12, 2013](#). Once approved, TMDLs and associated implementation plans will serve as additional goals of the [Illinois' Nonpoint Source Management Program](#). These TMDL implementation plans contain specific recommendations for best management practices and an

implementation schedule along with the coordinated roles and responsibilities of identified partners.

Illinois EPA recently released a request for bids to undertake 15 TMDLs.

4.2.4.3 Watershed-based Planning

Funding under the federal and state clean lakes programs has been used in Illinois to support lake owners' interest and commitment to long-term, comprehensive lake management. Detailed diagnostic/feasibility studies have been developed to scientifically document the causes, sources and magnitude of lake impairment (Phase I). Data generated from these monitoring studies are then used to recommend lake protection/restoration practices for future implementation (Phase II). Lake diagnostic/feasibility studies in Illinois have been recognized as meeting the nine minimum elements of a watershed-based plan.

Through technical and financial assistance, the Illinois EPA also encourages the development of watershed-based plans consistent with the USEPA watershed-based plan guidance found in [Appendix C of the Nonpoint Source Program and Grants Guidelines for States and Territories dated April 12, 2013](#) (as revised), USEPA's [Handbook for Developing Watershed Plans to Restore and Protect Our Waters](#), and the Chicago Metropolitan Agency for Planning's [Guidance for Developing Watershed Action Plans in Illinois](#) dated June 2007. Clean Water Act Section 319 Watershed Project Funds must be spent on projects within an impaired watershed for which there is a watershed-based plan.

Nonpoint source pollution control recommendations contained in diagnostic/feasibility studies and watershed-based plans serve to supplement Program initiatives and goals. Watershed-based plan development in Illinois is tracked geographically through the RMMS website. Appendix 1 of this report identifies the diagnostic/feasibility studies and watershed-based plans that have been completed or are under way in Illinois. Copies of [Watershed-based Plans](#) that have been completed in Illinois are also posted on Illinois EPA's website.

4.2.4.4 Nutrient Loss Reduction Strategy

The [Illinois Nutrient Loss Reduction Strategy](#) was developed by a policy working group led by the Illinois Water Resource Center-Illinois Indiana Sea Grant, the Illinois Environmental Protection Agency, and the Illinois Department of Agriculture. Group members included representatives from state and federal agencies, agriculture, and non-profit organizations as well as scientists and wastewater treatment professionals.

The strategy guides state efforts to improve water quality at home and downstream by reducing nitrogen and phosphorus levels in our lakes, streams, and rivers. The strategy lays out a comprehensive suite of best management practices for reducing nutrient loads from wastewater treatment plants and urban and agricultural runoff. Recommended activities target the state's most critical watersheds and are based on the latest science and best-available technology. It also calls for more collaboration between state and federal agencies, cities, non-profits, and technical experts on issues such as water quality monitoring, funding, and outreach.

The strategy recommends that load reductions be measured against the average annual riverine loading of nitrate-nitrogen and total phosphorus for 1980-1996, which serves as the state's baseline loading. Loss reduction goals are intended to apply equally to the eight-digit Hydrologic Unit Code (HUC) watersheds of the Mississippi River Basin and will be met over time, with interim milestones as noted in Table 4.8. Because of annual load variability, progress will be measured based on five-year running averages.

Table 4.8. Watershed Milestones and Targets.

Nutrient	Phase 1 Milestones	Target
Nitrate-nitrogen	15 percent by 2025	45 percent
Total phosphorus	25 percent by 2025	45 percent

The loss reductions goals for point sources, agricultural NPS, and urban NPS are in proportion to their contribution, as shown in Figures 4.7, 4.8, and 4.9.

Figure 4.9. The Proportion of Nitrate and Total Phosphorus Lost to the Mississippi River by Source.

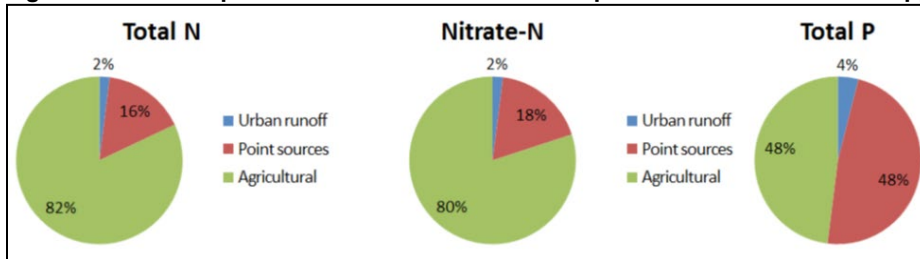


Figure 4.10. Nitrate-N Reduction goal in Pounds per Year by Source.

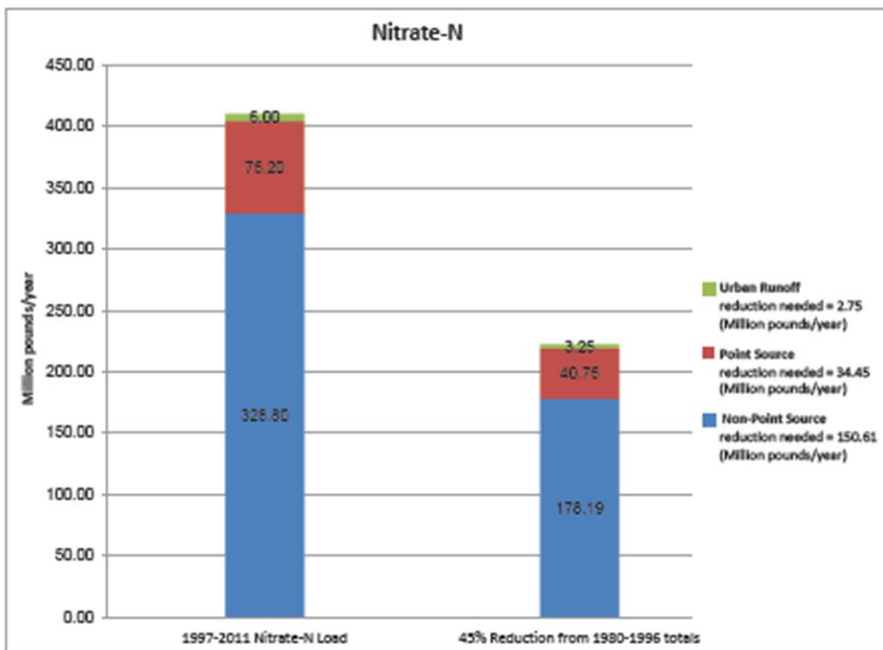
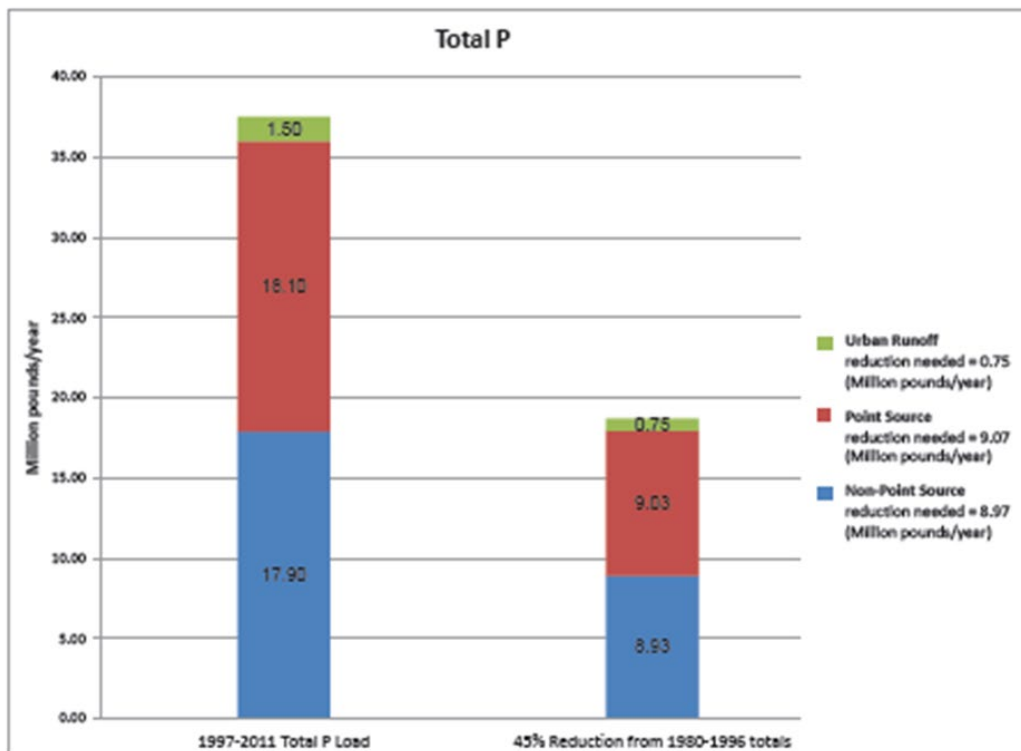


Figure 4.11. Total Phosphorus Reduction Goal in Pounds per Year by Source.



Progress on the [implementation of the strategy](#) is posted on the Illinois EPA's website.

4.2.4.5 Illinois Clean Lakes Program

The Illinois Clean Lakes Program (ICLP) is a financial assistance grant program that supports lake owners' interest and commitment to long-term, comprehensive lake management. Through the ICLP, Illinois EPA provides technical and financial assistance primarily to governmental entities that manage publicly owned lakes with extensive public access and use. Controlling sources of pollution affecting water quality, restoring lakes that have deteriorated in recreational and ecological quality, and protecting high quality lake resources are the primary objectives of the program. Two types of grant awards are authorized under ICLP. Phase I lake study grants are awarded to identify problems and sources of pollution, and to develop a feasible course of corrective action. Phase II grants support the implementation of procedures recommended in the Phase I report to improve water quality, recreational and ecological aspects of the lake. ICLP has been suspended due to a lack of funding.

4.2.4.6 Priority Lake and Watershed Implementation Program

The Priority Lake and Watershed Implementation Program (PLWIP) is a reimbursement grant program started in July 1997. PLWIP is designed to support lake protection, restoration, and enhancement activities at "priority" lakes where causes and sources of problems are apparent, project sites are highly accessible, project size is relatively small, and local entities are in a position to quickly implement necessary treatments. PLWIP has been suspended due to a lack of funding.

4.2.4.7 Lake Education Assistance Program

The Lake Education Assistance Program (LEAP) was designed to provide funding for projects and activities that involve the enhanced lake/lake watershed education of teachers, students,

organizations and/or the community. LEAP funds were available to public and/or private schools, and for grades from kindergarten through graduate school. Funds were also available to not-for-profit organizations. LEAP has been suspended.

4.2.4.8 Water Pollution Control Loan Program

Illinois EPA provides low-interest loans through the State Revolving Fund's (SRF) [Water Pollution Control Loan Program](#) (WPCLP), which finances both wastewater and nonpoint source pollution control projects. This program is annually the recipient of federal capitalization funding which is combined with state matching funds, interest earnings, repayment money, and the sale of "AAA" rated bonds to form a perpetual source of financing for infrastructure projects. The term "Revolving Fund" means that interest earned and money repaid, is put back into the program to fund additional projects. The WPCLP provides financial assistance to eligible public or private applicants for the design and construction of a wide variety of projects that protect or improve the quality of Illinois' water resources. Eligible projects include urban stormwater-related projects that benefit water quality, stream corridor restoration, forestry best management practices, agricultural runoff controls, "green" infrastructure, and other nonpoint source pollution control projects as allowed under the Clean Water Act Section 319(h) and *Illinois' Nonpoint Source Management Program*.

WPCLP awards are reported annually in a [report](#) posted on the Illinois EPA's website. Recent loan awards for NPS control projects are identified in Table 4.9. Illinois EPA identified several projects likely to receive funding for FY 2025 which can be found in the Water Pollution Control Loan Program 2025 Intended Use Plan in the Green Project Reserve section..

Table 4.9. WPCLP Awards for NPS Control Projects in Illinois.

Loan Applicant	L17	Project Description	GPR Category	Project Funding	Green Project Reserve (GRP)	Date Loan Executed	GPR Project Components
Niles	5659	Greenwood Stormwater Basin	Green Infrastructure; Energy Efficiency	\$8,716,212.34	\$6,716,212.34	6/30/2021	Funds the Village of Niles' Greenwood Stormwater Basin Project. Specific activities - construction of a 121,968 cubic foot underground stormwater storage vault and a 1-acre open water basin; installation of approximately 4,000 lineal feet of 36 to 54-inch diameter storm sewer main and associated manholes and other appurtenances. Project also includes permeable pavement and park-like green spaces.
Wood Dale		Manitou Creek rehabilitation/stabilization	Green Infrastructure; Energy Efficiency	\$6,297,189.00	\$6,297,189.00	6/30/2021	Multi-phased, long-term Capital Stormwater Management/Sustainability Plan. Two phases have already received SRF loans. This phase consists of the rehabilitation of the Manitou Creek streambed; construction of a 7-acre underground stormwater detention basin; installation of CDS hydrodynamic separators; and the "first flush" contaminant removal at re-routed/installed interceptors.
Peoria	5910	CSO Improvements with Green Infrastructure	Green Infrastructure; Energy Efficiency	\$5,415,507.50	\$5,415,507.50	5/31/2022	Approximately 7 acres of Green Infrastructure will be constructed to capture approximately 78% of runoff below the bluff in the Sanger and South sewersheds and 100% of the runoff below the bluff in the remaining sewersheds. The project will construct 1.3 acres of GI, per year for the first three years, and 1.55 acres per year for the fourth and fifth years will be built. The GI includes permeable paver parking lanes, right of way shoulders, cross walks, and intersections. In some areas, bioswales may be incorporated. The GI will be located at and adjacent to existing inlets to the combined sewer. The stormwater will be captured by the GI, instead of flowing into the combined sewers through existing inlets.
Wood River	5753	Stormwater Detention Basin/Wetland Construction	Green Infrastructure	\$2,045,648.75	\$2,045,648.75	12/22/2021	The project consists of the ditch closure and infiltration chambers, ditch cleaning, new stormwater retention basin, stormwater pump station and force main. The ditch from Wesley Drive to the new detention basin will be cleaned, regraded and the banks will be stabilized. The 5-acre detention basin will be constructed with 3:1 side slopes and the bottom will be low enough to allow groundwater recharge. The proposed project is needed to alleviate several drainage issues. The amount of stormwater that flows into the ditch at IL Route 143 is greater than the storage capacity available.
Total				\$22,474,557.59	\$20,474,557.59		

4.2.4.9 Illinois Green Infrastructure Grant Program for Stormwater Management

The [Illinois Green Infrastructure Grant Program for Stormwater Management](#) (IGIG) provided funding to local units of government and other organizations to implement green infrastructure best management practices (BMPs) to control stormwater runoff for water quality protection in Illinois. Projects must be located within a Municipal Separate Storm Sewer System (MS4) or

Combined Sewer Overflow (CSO) area. Funds are limited to the implementation of projects to install BMPs. IGIG activities and accomplishments are reported biannually in the Illinois EPA's [Illinois Green Infrastructure Grant Program for Stormwater Management Biannual Report](#). Furthermore, individual BMPs implemented in Illinois with funding under IGIG are tracked geographically through the University of Illinois and Illinois EPA's [Resource Management Mapping Service \(RMMS\)](#) website. Table 4.10 quantifies the BMPs implemented under IGIG since the program started in State Fiscal Year 2011 along with associated annual pollutant load reductions. The application process for IGIG was suspended after State Fiscal Year 2014. A new green infrastructure grant program (Green Infrastructure Grant Opportunities (GIGO)) was developed in 2021.

Table 4.10. IGIG - Summary of Completed BMPs.

	Number	Acres	Feet	Nitrogen Load Reduction (lbs/year)	Phosphorus Load Reduction (lbs/year)	Total Suspended Solids Load Reduction (lbs/year)	Sediment Load Reduction (tons/year)
HYDROLOGIC							
Stream Channel Restoration(9)	-	-	1,880	446	223		223.20
Wetland Restoration(657)	-	0.01	-	182	14	18,145	
OTHER2							
Cistern(12)	144	-	-	26	-	3,631	0.05
buffer zone enhancement / installation(35)	-	0.55	-	60	30	344	0.01
URBAN							
Green Roof(11)	-	0.14	-	80	5	6,129	
Rain Garden(13)	185	-	-	211	34	16,215	1.40
Downspout/Footing Tile Disconnection(37)	4,695	-	-	-	-	-	-
Infiltration Planter(40)	36	-	-	-	-	418	
Critical Area Planting(342)	-	11.03	-	20	2	934	0.46
Structure for Water Control(587)	2	-	-				
Tree Planting(612)	-	1.00	-	-	-	40	
Urban Stormwater Wetlands(800)	4	-	-	65	9	13,625	0.22
Dry Detention Basin(809)	1	-	-	20	2	4,554	
Bio-retention Facility(812)	-	1.38	-	325	60	30,765	
Bioswale(814)	-	1.56	-	221	22	30,044	0.11
Diversion(815)	-	-	74	-	-	465	
Urban Filter Strip(835)	-	0.94	-	6	1	1,693	-
Infiltration Trench(845)	2	-	-	-	-	2	-
Permanent Seeding(880)	-	0.02	-	-	-	13	
Porous Pavement(890)	-	14.28	-	311	30	39,498	-
Totals				1,973	432	166,515	225

4.2.4.10 Green Infrastructure Grant Opportunities Program (GIGO)

The Illinois EPA administers the \$25 million Green Infrastructure Grant Opportunities program to support green infrastructure BMPs to reduce localized or riverine flooding. The GIGO program defines green infrastructure as any stormwater management technique or practice employed with the primary goal to preserve, restore, mimic, or enhance natural hydrology. Green infrastructure includes, but is not limited to, methods of using soil and vegetation to promote soil percolation, evapotranspiration, and filtering or the harvesting and reuse of precipitation. Such practices prevent, eliminate, or reduce water quality impairments by decreasing stormwater runoff into Illinois rivers, streams, and lakes.

GIGO program funds are available to local watershed groups, land conservancies or trusts, public and private profit and nonprofit organizations and institutions, units of government, universities and colleges, park districts and other local land managing agencies, Soil and Water Conservation Districts, and conservation organizations.

Localized and riverine flooding will likely become more frequent in the coming years according to the U.S. EPA. By decreasing stormwater runoff, diverting water away from impacted areas, and reconnecting streams to their floodplains, GIGO can improve water quality by reducing the amount and duration of localized and riverine flooding.

Eligible GIGO projects include:

1. Reconnecting a stream with its floodplain, for example with a two-stage ditch or daylighting.
2. Treatment and flow control of stormwater runoff at sites directly upstream or downstream of an impervious area that impacts river, stream, or lake water quality.
3. Treatment and flow control of water generated from impervious surfaces associated with urban development, such as roads and buildings.

GIGO uses funds distributed by the State of Illinois generated under the Build Illinois Bond Fund. From FY 2021-2025, the Illinois EPA expects to distribute a total of \$5 million in awards each year. Two to 10 projects annually will receive funding, with individual awards ranging from \$75,000 to \$2.5 million. In fact, Illinois EPA's current 2023 Notice of Funding Opportunity includes \$10,000,000 in funding for projects that will improve water quality in Illinois. This is a combination of year 2 and 3 funding. Year 4 and 5 should resume to the \$5 million annual level.

The Illinois EPA awarded 11 GIGO grants totaling \$5 million in 2021. Local match is expected to be almost \$4 million for an estimated total project implementation cost of \$9 million. The projects submitted the following annual pollutant load reduction estimates:

- 4,973 pounds of nitrogen
- 1,423 pounds of phosphorus
- 1,063 tons of sediment
- 31,414,497 gallons of stormwater retained.

Five of the 11 grant recipients have partially or fully implemented their GIGO projects. Collectively, these projects have reduced the annual pollutant load by the following amounts:

- 1,005 pounds of nitrogen reduced
- 318 pounds of phosphorus reduced
- 340 tons of sediment reduced
- 1,280,371 gallons of stormwater retained.

4.2.4.11 Section 604b – Water Quality Management Planning Grant Program

The Section 604b – Water Quality Management Planning Grant Program (Section 604b Grant Program) provides funds to regional public comprehensive planning organizations and other entities to carry out water quality management planning activities that protect water quality in Illinois. Illinois EPA receives these funds through Section 604b of the Clean Water Act and administers the program within Illinois. Grant funds can be used to determine the nature, extent, and causes of point and nonpoint source water pollution; develop water quality management plans; develop technical and administrative guidance tools for water pollution control; develop preliminary designs for best management practices (BMPs) to address water quality problems; implement administrative water pollution controls; and educate the public about the impact and importance of water pollution control. Section 604b Grant Program activities and accomplishments are reported biannually in the Illinois EPA's [Water Quality Management Planning Grants - Section 604b Biannual Report](#).

4.2.4.12 Section 319(h) – Nonpoint Source Pollution Control Financial Assistance Program

Under Section 319 of the Clean Water Act, those states with approved NPS management reports are eligible to receive federal funds to implement or supplement NPS initiatives. Numerous NPS pollution control projects in urban and rural settings have been implemented throughout Illinois, along with the implementation of enhanced education and information efforts through various media.

Under the base operating program, the Illinois EPA employs staff to more fully manage NPS activities at the state level by providing a more active role in the assessment of NPS problems, the development of management strategies, and the provision of technical and educational assistance.

Table 4.11 summarizes the grant funds that have been awarded to the Illinois EPA each federal fiscal year under Section 319 of the CWA.

Table 4.11. Funding Awarded to Illinois EPA Under Section 319 of the CWA.

FFY	Grant No.	Award Date	Budget Period Start Date	Budget Period End Date	Award Amount	Illinois EPA Base Operating Program Funds	319(h) Funds Awarded to Sub-recipients	Total No. of Projects	No. of Projects Complete	TMDL Amt. Removed Pre-award
1990	995010010	03/01/90	03/01/90	09/30/94	\$750,000	\$0	\$750,000	9	9	
1991	995010910	09/25/91	10/01/91	09/30/96	\$300,501	\$0	\$300,501	5	5	
1991	995010020	08/12/91	08/01/91	09/30/97	\$1,308,200	\$600,000	\$708,200	10	10	
1992	995010920	08/17/92	08/15/92	09/20/96	\$1,824,000	\$600,000	\$1,224,000	5	5	
1993	995010930	07/21/93	09/01/03	09/30/97	\$1,931,217	\$600,000	\$1,331,217	16	16	
1994	995010940	04/07/94	04/11/94	03/31/01	\$3,601,630	\$1,274,862	\$2,326,768	31	31	
1995	995200050	06/13/95	10/01/94	08/31/99	\$3,816,920	\$2,083,384	\$1,733,536	18	18	
1996	995010960	03/18/96	10/01/95	12/31/02	\$3,975,198	\$2,177,182	\$1,798,016	21	21	
1997	995010970	02/05/97	10/01/96	10/31/03	\$4,096,964	\$2,276,710	\$1,820,254	18	18	
1998	995010980	02/18/98	10/01/97	12/31/04	\$4,411,764	\$2,061,180	\$2,350,584	22	22	
1999	995010990	02/02/99	10/01/98	09/30/05	\$7,322,480	\$2,961,436	\$4,361,044	20	20	\$893,120
2000	995010000	03/01/00	10/01/99	09/30/06	\$8,139,800	\$2,545,158	\$5,594,642	18	18	
2001	975483010	04/19/01	10/01/00	09/30/07	\$9,540,100	\$2,766,267	\$6,773,833	20	20	
2002	975857020	05/13/02	10/02/01	09/30/07	\$8,540,100	\$2,716,390	\$5,823,710	24	24	\$1,000,000
2003	975857030	09/25/03	10/01/02	09/30/08	\$8,290,100	\$2,776,938	\$5,513,162	27	27	\$1,289,700
2004	995200040	06/10/04	10/01/03	09/30/09	\$8,329,800	\$2,852,478	\$5,477,322	23	23	\$1,153,200
2005	995200050	06/13/05	10/01/04	12/31/10	\$7,456,300	\$2,819,745	\$4,636,555	24	24	\$800,000
2006	995200060	09/22/06	10/01/05	09/30/10	\$6,063,037	\$1,231,422	\$4,831,615	19	19	\$800,000
2007	995200070	08/21/07	10/01/06	09/30/11	\$7,120,350	\$2,464,823	\$4,655,527	17	17	\$804,250
2008	995200080	07/21/08	06/01/08	09/30/13	\$8,132,050	\$2,639,869	\$5,492,181	17	17	\$800,000
2009	995200090	07/30/09	05/01/09	09/30/14	\$7,148,400	\$2,713,525	\$4,434,875	15	15	\$800,000
2010	995200010	04/14/10	05/01/10	12/31/14	\$7,348,000	\$2,631,545	\$4,716,455	21	21	\$600,000
2011	995200011	08/09/11	07/01/11	06/30/16	\$5,968,441	\$2,416,732	\$3,551,709	14	14	\$935,559
2012	999520012	05/21/12	04/01/12	03/31/17	\$5,750,000	\$2,328,164	\$3,421,836	9	9	\$700,000
2013	999520013	05/29/13	04/01/13	03/31/18	\$6,114,000	\$2,584,123	\$3,529,877	14	14	
2014	999520014	04/28/14	04/01/14	03/31/19	\$6,254,000	\$2,776,321	\$3,477,679	18	18	
2015	999520015	06/18/15	04/01/15	03/31/20	\$6,190,100	\$2,444,585	\$3,745,515	14	14	\$500,000
2016	999520016	06/22/16	04/01/16	03/31/21	\$6,397,000	\$2,536,963	\$3,860,037	20	19	\$600,000
2017	999520017	04/20/17	04/01/17	03/31/22	\$6,619,000	\$2,461,235	\$4,157,765	19	18	
2018	999520018	08/24/18	04/01/18	03/31/23	\$6,539,000	\$2,208,749	\$4,330,251	16	16	\$300,000
2019	999520019	06/11/19	04/01/19	03/31/24	\$6,474,000	\$1,993,797	\$4,480,203	17	14	\$121,177
2020	999520020	07/16/20	04/01/20	03/31/25	\$6,748,000	\$1,915,087	\$4,832,913	13	7	
2021	999520021	08/09/21	07/01/21	06/30/26	\$6,930,000	\$680,504	\$6,249,496	15	0	
2022	999520022	09/22/22	10/01/22	09/30/27	\$6,930,000	\$2,065,655	\$4,864,345	18	0	
	Totals				\$196,360,452	\$69,204,829	\$127,155,623	587	543	\$11,090,395

With funding under Section 319 of the Clean Water Act, the Illinois EPA has provided assistance to landowners, municipalities, and others for the implementation of NPS pollution control projects. The types of eligible projects include the implementation of a WBP or TMDL implementation plan; development of a WBP, TMDL or TMDL implementation plan; BMP implementation; information and outreach; monitoring; and research. More information on [nonpoint source pollution control grants](#) in Illinois can be found at the Illinois EPA's website.

Nonpoint source pollution control projects implemented in Illinois with funding under Section 319 of the Clean Water Act are tracked through USEPA's [Grants Reporting and Tracking System](#) (GRTS) website. Individual BMPs implemented in Illinois with funding under Section 319 of the Clean Water Act are tracked geographically through the University of Illinois and Illinois EPA's [Resource Management Mapping Service](#) (RMMS) website. Table 4.12 quantifies the BMPs implemented since Federal Fiscal Year 1990 along with associated annual pollutant load reductions. However, there is some under reporting as this information was not available for all

projects. Also some BMPs, generally urban practices, estimated reductions for TSS but not sediment. And some BMPs, generally non-urban practices, estimated reductions for sediment but not TSS.

Table 4.12. Section 319 NPS Program - Summary of Completed BMPs. (as reported in the March 2020 report)

	Number	Acres	Feet	Nitrogen Load Reduction (lbs/year)	Phosphorus Load Reduction (lbs/year)	Total Suspended Solids Load Reduction (lbs/year)	Sediment Load Reduction (tons/year)
AGRICULTURE							
Brush Management (314)	-	281.0	-	216	28	-	28
Conservation Cover (327)	-	154.3	-	1,567	788	-	717
Conservation Tillage (329)	-	23,790.2	-	51,349	25,755	-	157,336
Cover and Green Manure Crop (340)	-	12,046.5	-	18,762	2,871	-	2,452
Critical Area Planting (342)	-	15.3	-	1,116	559	-	3,915
Dam, Diversion (348)	1	-	-	455	235	-	207
Sediment Basin (350)	149	-	-	16,912	7,545	250,637	26,222
Diversion (362)	-	-	541	560	63	-	13
Pond (378)	156	-	-	24,362	11,483	-	26,200
Filter Strip (393)	-	13,912.5	-	331,543	168,026	-	107,467
Grade Stabilization Structure (410)	353	-	-	9,639	4,567	-	7,332
Grassed Waterway (412)	-	374.8	-	29,823	12,753	6	27,835
Strip Cropping (Field) (586)	-	8,058.7	-	6,690	3,671	-	2,479
Structure for Water Control (587)	2	-	-	79	40	-	40
Nutrient Management (590)	-	161,925.7	-	109,915	54,325	-	36,522
Terrace (600)	-	-	175,376	8,546	4,371	-	12,216
Subsurface Drain (606)	-	-	30	149	80	-	61
Surface Drainage (Field Ditch) (607)	-	-	2,200	197	78	-	80
Tree Planting (612)	-	7,209.6	-	54,915	27,464	-	23,448
Water and Sediment Control Basin (638)	-	-	275,872	31,084	12,971	-	31,742
Infiltration Trench (845)	3	-	-	7	-	827	-
Level Spreader (870)	3	-	-	-	-	-	-
Permanent Seeding (880)	-	1,866.5	-	4,367	2,189	-	1,626
Rock Outlet Protection (910)	4	-	-	271	135	-	135
HYDROLOGIC							
Wetland Acquisition (6)	-	242.0	-	-	-	-	-
Dredging (7)	10	-	-	-	-	-	-
Stream Channel Restoration (9)	-	-	42,727	17,784	8,389	983,269	7,892
Spillway Restoration (14)	1	-	-	-	-	-	-
Dam Removal (16)	3	-	-	-	-	-	-
dam repair (31)	1	-	-	-	-	-	-
Clearing and Snagging (326)	-	-	7,401	6	3	-	3
Streambank and Shoreline Protection (580)	-	-	601,160	117,573	58,963	1,523	83,578
Ditch Stabilization (581)	-	-	6,665	622	314	11,752	304
Stream Channel Stabilization (584)	-	-	65,064	8,312	4,060	1,275	4,968
Wetland Restoration (657)	-	1,622.8	-	8,565	3,932	930,861	8,900
LIVESTOCK							
Waste Management System (312)	19	-	-	63,209	10,042	-	46
Waste Storage Structure (313)	26	-	-	28,737	4,557	-	23
Waste Treatment Lagoon (359)	1	-	-	6,909	687	-	-
Fencing (382)	-	-	16,809	66	33	-	37

Livestock Exclusion (472)	-	193.3	-	128	66	-	70
Pasture and Hayland Management (510)	-	416.0	-	-	-	-	-
Pasture and Hayland Planting (512)	-	391.6	-	1,630	817	-	627
Planned Grazing Systems (556)	-	750.9	-	993	507	-	383
Roof Runoff Management (558)	7	-	-	17,895	3,001	-	-
Roofing for Runoff Control (559)	8	-	-	4,554	1,866	-	-
Runoff Management System (570)	5	-	-	831	93	-	18
Stock Trails and Walkways (575)	-	-	1,331	-	-	-	-
Trough or Tank (614)	2	-	-	-	-	-	-
Wash Water Recovery (634)	4	-	-	29	739	-	-
OTHER2							
Education (1)	166	-	-	-	-	-	-
Monitoring (2)	48	-	-	-	-	-	-
Planning/Administration (3)	95	-	-	-	-	-	-
Technical Assistance (4)	34	-	-	-	-	-	-
Well Sealing (5)	239	-	-	-	-	-	-
Sinkhole Stabilization (8)	10	-	-	-	-	-	-
Cistern (12)	11	-	-	1	-	93	-
Regulations (15)	2	-	-	-	-	-	-
aquatic herbicide application (19)	-	3.0	-	-	-	-	-
nutrient inactivation (27)	1	-	-	-	-	-	-
habitat enhancement (29)	1	-	-	-	-	-	-
buffer zone enhancement / installation (35)	-	119.8	-	538	206	28,771	108
Forest Land Erosion Control System (408)	-	561.5	-	24,903	12,396	-	16,403
Land Reconstruction, Abandoned Mined Land (543)	-	61.5	-	-	-	-	-
Land Reconstruction, Currently Mined Land (544)	-	16.0	-	-	-	-	-
Wildlife Wetland Habitat Management (644)	-	4.0	-	-	-	-	-
Woodland Improvement (666)	-	2,458.6	-	508	254	271	227
URBAN							
Oil and Grit Separator (10)	12	-	-	36	1	7,417	-
Green Roof (11)	-	1.4	-	2	11	23,285	-
Rain Garden (13)	69	-	-	441	145	137,660	-
Street Sweeping (17)	1	-	-	-	1	4,730	-
Critical Area Planting (342)	-	0.2	-	-	-	46	-
Sediment Basin (350)	15	-	-	2,793	953	157,755	7,695
Dike (356)	-	-	100	-	-	-	-
Grade Stabilization Structure (410)	234	-	-	97,752	48,891	-	48,901
Recreation Area Improvement (562)	-	7.6	-	-	-	-	-
Structure for Water Control (587)	3	-	-	276	276	-	552
Terrace (600)	-	-	4,000	1	-	267	-
Tree Planting (612)	-	5.0	-	36	18	-	14
Water and Sediment Control Basin (638)	-	-	2,000	-	-	-	58
Urban Stormwater Wetlands (800)	61	-	-	10,143	2,386	2,264,599	17
Bio-retention Facility (812)	-	0.1	-	70	9	5,991	-
Bioswale (814)	-	8.3	-	3,658	546	445,455	-
Urban Filter Strip (835)	-	16.0	-	971	252	147,685	-
Grass-Lined Channels (840)	-	5.5	-	299	119	75,043	33
Infiltration Trench (845)	45	-	-	50	31	21,425	1
Land Grading (865)	-	1.8	-	9	5	-	6
Level Spreader (870)	7	-	-	124	27	19,120	-
Permanent Seeding (880)	-	1.8	-	9	5	-	6

Porous Pavement (890)	-	17.8	-	605	57	71,950	-
Rock Outlet Protection (910)	17	-	-	-	-	-	-
Subsurface Drain (945)	-	-	1	3	-	339	-
Totals				1,123,592	504,653	5,592,051	648,942

Table 4.13 identifies an estimate of annual pollutant load reductions achieved by completed BMPs for all Section 319 projects funded under a particular federal fiscal year. However, there is some under reporting as this information was not available for all BMPs. Also some BMPs, generally urban practices, estimated reductions for TSS but not sediment. And some BMPs, generally non-urban practices, estimated reductions for sediment but not TSS. The numbers do not reflect load reductions anticipated from BMPs that are planned but not yet constructed.

Table 4.13. Pollutant Load Reductions for Completed BMPs by Section 319 Grant Year.

Federal Fiscal Grant Year	Nitrogen Load Reduction (lbs/year)	Phosphorus Load Reduction (lbs/year)	Total Suspended Solids Load Reduction (lbs/year)	Sediment Load Reduction (tons/year)
1990	1,528	602	0	587
1991	485	172	72,818	122
1992	216	108	0	127
1993	1,592	797	0	3,139
1994	5,546	2,699	0	96,505
1995	1,039	515	3,215	607
1996	23,234	11,607	15,353	62,915
1997	2,447	1,237	343	2,685
1998	3,357	1,153	512,465	66,187
1999	12,827	6,022	440,162	7,006
2000	84,764	42,580	6	20,315
2001	56,451	14,332	400,290	14,872
2002	334,852	169,068	382,554	117,671
2003	28,597	14,135	83,333	13,829
2004	72,508	36,754	460,551	44,653
2005	8,069	3,351	160,500	4,617
2006	101,869	49,693	123,685	51,663
2007	14,847	7,230	173,840	8,569
2008	27,562	7,618	99,306	4,066
2009	23,046	11,381	113,113	11,690
2010	68,308	32,862	83,232	31,472
2011	49,782	21,802	461,153	21,515
2012	24,316	8,848	3,373	5,193
2013	18,593	8,878	1,308,230	7,047
2014	36,339	12,123	253,642	12,810
2015	40,610	16,832	29,273	12,945
2016	61,760	13,419	240,036	17,750
2017	8,897	3,774	171,578	14,361
2018	54	14,634	79,808	8,351
2019	17,303	10,425	495,564	10,118
2020	17,990	2,627	83,167	3,042
2021	17,096	6,673	3,752,979	5,582

5. Completed Projects - Closed Section 319 Grants (not previously reported).

FEDERAL FISCAL YEAR 2019 (NPS PROGRAM FUNDS)) - 999520019

Title: [Canteen Creek-Cahokia Creek Watershed BMP Implementation](#)

Purpose: This project implemented best management practices (BMPs) in the Canteen Creek-Cahokia Creek watershed (HUC 0714010103) to reduce nonpoint source pollution, soil erosion, and nutrient and sediment loadings in order to improve water quality. BMPs will include grassed waterways (16 acres), ponds (8 acres), WASCOBs (2,000 feet), wetland restoration (20 acres), shoreline stabilization (400 feet), stream channel restoration (125 ft), stream channel stabilization (1,500 feet), streambank stabilization (1,500 feet), bioswales (200 linear ft), porous pavement (0.6 acre), rain garden (10 number), urban filter strips (0.3 acres), and urban tree planting (260 number). The project includes an education and outreach component involving a workshop, tour, storm drain markers, mailings, and flyers.

NPS Program: Agriculture, Hydrologic Modification, and Urban Runoff

Project Location: St. Clair and Madison Counties

Waterbody Name (ID): Canteen Creek (IL_JNA-01) and Cahokia Canal (IL_JN-02)

Subgrantee: HeartLands Conservancy
3 North High Street
Belleville, Illinois 62220

Project Period: 12/23/19 through 09/30/23

Total Project Cost:	\$1,624,580.64	Cumulative Expenditure:	\$1,624,580.64
Federal:	\$953,628.24	Federal:	\$ 953,628.24
State and Local:	\$670,952.40	State and Local:	\$ 670,952.40

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft BMP Strategy	01/31/20	Yes	
Final BMP Strategy	03/15/20	Yes	
BMP Strategy Implementation	09/30/23	Yes	
Draft Education Strategy	01/31/20	Yes	
Final Education Strategy	03/15/20	Yes	
Education Strategy Implementation	09/30/23	Yes	
Draft Project Report	09/30/23	Yes	
Final Project Report	12/31/23	Yes	

Comments: This project is complete.

Project Reports and Other Informational Materials:

“Canteen Creek-Cahokia Creek Watershed BMP Implementation Project.” HeartLands Conservancy.

FEDERAL FISCAL YEAR 2019 (WATERSHED PROJECT FUNDS)) - 999520019

Title: [Lake Bloomington and Evergreen Lake Watershed Plan Update](#)

Purpose: This project updated the existing watershed-based plans for the Lake Bloomington (IL_RDO) and Evergreen Lake (IL_SDA) watersheds (HUC 0713000402 & 071300040502, respectively). The updated watershed-based plan is consistent with the USEPA watershed-based plan guidance found in Appendix C of the Nonpoint Source Program and Grants Guidelines for States and Territories dated April 12, 2013 (as revised).

NPS Program: All Sources

Project Location: McLean County

Waterbody Name (ID): Lake Bloomington (IL_RDO) and Evergreen Lake (IL_SDA)

Subgrantee: McLean County Soil & Water Conservation District
402 North Kays Drive
Normal, Illinois 61761

Project Period: 09/01/19 through 10/01/21

Total Project Cost:	\$149,625.00	Cumulative Expenditure:	\$143,955.00
Federal:	\$58,375.00	Federal:	\$ 95,966.00
State and Local:	\$91,250.00	State and Local:	\$ 47,989.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Watershed Resource Inventory	09/01/20	Yes	
Final Watershed Resource Inventory	08/01/21	Yes	
Draft Watershed-based Plan	07/01/21	Yes	
Final Watershed-based Plan	08/01/21	Yes	
Draft Executive Summary	07/01/21	Yes	
Final Executive Summary	08/01/21	Yes	
Self-Assessment of Plan	08/01/21	Yes	

Comments: This project is complete.

Project Reports and Other Informational Materials:

Lake Bloomington & Evergreen Lake Watershed Plan. May 2021. McLean County Soil and Water Conservation District.

Title: [The Big Ditch and Healthy Water](#)

Purpose: The project installed best management practices (BMPs) in the Big Ditch (IL_EZU-01) watershed (HUCs 071300060202 & 071300060203) to reduce nonpoint source pollution. BMPs implemented under this project included cover crops and grassed waterway. The project included an educational component involving handouts and meetings.

NPS Program: Agriculture

Project Location: Champaign County

Waterbody Name (ID): Big Ditch (IL_EZU-01)

Subgrantee: Champaign County Soil and Water Conservation District
2110 West Park Court, Suite C
Champaign, Illinois 61821-7460

Project Period: March 4, 2021 through March 31, 2023

Total Project Cost:	\$447,080.00	Cumulative Expenditure:	\$40,556.62
Federal:	\$278,500.00	Federal:	\$24,945.96
State and Local:	\$168,580.00	State and Local:	\$15,610.66

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	12/31/22	Yes	
Draft BMP Strategy	3/31/21	Yes	
Final BMP Strategy	4/30/21	Yes	
Complete Implementation of BMP Strategy	11/30/22	Yes	Partial Completion
Draft Planning/Education Strategy	3/31/21	Yes	
Final Planning/Education Strategy	4/30/21	Yes	
Complete Implementation of P/E Strategy	10/1/22	Yes	Partial Completion
Draft Project Report	10/1/22	Yes	
Final Project Report	12/31/22	Yes	

Comments: This project is complete. Although the grantee implemented a strong outreach program, the project encountered significant challenges, local landowners/operators did not sign up to participate. Scope of work and budget reduced accordingly.

Project Reports and Other Informational Materials:

The Big Ditch and Healthy Water – Final Report. October 15, 2022. Champaign County Soil and Water Conservation District.

Title: [Lake Mauvaise Terre In-Lake Dam Phase 1](#)

Purpose: This project was intending to provide full permitting and design for an in-lake sediment dam and dredging facilities ready for competitive bidding and construction. The low-flow/in-lake basin was to be located in the upper area of Lake Mauvaise Terre (IL_SDL). It was to be designed to retain up to 75 % of the sediment and nutrients entering the lake from a 27 square mile watershed. This project was impacted by permitting requirements. The scope of work and budget was reduced to complete a portion of the project.

NPS Program: Hydrologic Modification

Project Location: Morgan County

Waterbody Name (ID): Lake Mauvaise Terre (IL_SDL)

Subgrantee: City of Jacksonville
Municipal Building, 200 West Douglas Avenue
Jacksonville, Illinois 62650-2012

Project Period: February 17, 2021 through June 30, 2024

Total Project Cost:	\$350,000.00	Cumulative Expenditure:	\$100,125.00
Federal:	\$175,000.00	Federal:	\$ 50,062.50
State and Local:	\$175,000.00	State and Local:	\$ 50,062.50

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	9/30/23	Yes	
Draft Design Strategy	4/1/21	Yes	
Final Design Strategy	5/15/21	Yes	
Complete Implementation of Strategy	9/15/23	Yes	
Draft Project Report	9/30/23	Yes	
Final Project Report	10/31/23	No	Progress is being made.

Comments: This project is complete.

Project Reports and Other Informational Materials:

Title: [Macoupin Creek / Otter Lake Watershed Implementation](#)

Purpose: This project will include the implementation of best management practices (BMPs) within the Otter Lake (IL_RDF) watershed (HUC 071300120202) in Macoupin County, Illinois that are not eligible through Regional Conservation Partnership Program (RCPP), a water quality monitoring program for Otter Lake to support the RCPP, and an on-line decision support system that will allow project partners in the Upper Macoupin Creek and Otter Lake watershed to collaborate, track progress, target implementation practices and quantify load reductions. BMPs will include 3,060 linear feet of shoreline stabilization, nine water and sediment control basins (1,800 ft), one pond, and one acre of grassed waterway.

NPS Program: Agriculture & Hydrologic Modification

Project Location: Macoupin County

Waterbody Name (ID): Otter Lake (IL_RDF)

Subgrantee: Otter Lake Water Commission
6475 West Montgomery Road
P.O. Box 468
Virden, Illinois 62690-0468

Project Period: December 8, 2020 through December 31, 2023

Total Project Cost:	\$300,924.89	Cumulative Expenditure:	\$262,020.04
Federal:	\$178,514.93	Federal:	\$178,514.93
State and Local:	\$122,409.96	State and Local:	\$126,161.85

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	07/1/23	Yes	
Draft BMP Strategy	03/1/21	Yes	
Final BMP Strategy	04/15/21	Yes	
Complete Implementation of BMP Strategy	6/30/23	Yes	
Working SWAMM Online Interface	06/1/21	Yes	
SWAMM Interface Launch	12/1/21	Yes	
Draft Project Report	05/30/23	Yes	
Final Project Report	12/31/23	Yes	

Comments: This project is complete.

Project Reports and Other Informational Materials:

“Macoupin Creek / Otter Lake Watershed Implementation Section 319 Project Final Report: Agreement #3191912.” Otter Lake Water Commission. 9/18/2023.

6. Completed Projects - Open Section 319 Grants

FEDERAL FISCAL YEAR 2020 (NPS PROGRAM FUNDS)) - 999520020

Title: [Fiddymment Creek, Milne Creek & Fraction Run Watershed Plan](#)

Purpose: This project developed a watershed-based plan for the Fiddymment Creek (IL_GHC), Milne Creek, and Fraction Run (IL_GHA) watershed (Portion of Hydrologic Unit Code 071200040705) The plan is designed to improve water quality by controlling nonpoint source pollution. The plan is consistent with the USEPA watershed-based plan guidance found in Appendix C of the Nonpoint Source Program and Grants Guidelines for States and Territories dated April 12, 2013 (as revised).

NPS Program: All Sources

Project Location: Will County

Waterbody Name (ID): Fiddymment Creek (IL_GHC), Milne Creek, and Fraction Run (IL_GHA)

Subgrantee: City of Lockport
222 East 9th Street
Lockport, Illinois 60441-3464

Project Period: 10/26/20 through 12/31/22

Total Project Cost:	\$169,344.00	Cumulative Expenditure:	\$151,336.95
Federal:	\$101,606.40	Federal:	\$ 90,802.17
State and Local:	\$67,737.60	State and Local:	\$ 60,534.78

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Watershed Resource Inventory	10/01/21	Yes	
Final Watershed Resource Inventory	11/01/21	Yes	
Joint Evaluation Form	10/01/22	Yes	
Draft Watershed-based Plan	10/01/22	Yes	
Final Watershed-based Plan	12/01/22	Yes	
Draft Executive Summary	10/01/22	Yes	
Final Executive Summary	12/01/22	Yes	

Comments: This project is complete.

Project Reports and Other Informational Materials:

Draft Fiddymment Creek, Milne Creek, and Fraction Run Watershed Plan. June 2022. City of Lockport

Fiddymment Creek, Milne Creek, and Fraction Run Watershed Plan. October 2022. City of Lockport

Title: [Keith Creek Watershed-Based Plan](#)

Purpose: This project developed a watershed-based plan for the Keith Creek (IL_PR-01) watershed (a 9,600-acre portion of HUC 070900050107). The plan was designed to improve water quality by controlling nonpoint source pollution. The watershed is predominately in an urban environment, a consultant facilitated the process and worked with the City of Rockford and its partners to leverage the recommendations. The project included stakeholder meetings, identification of critical area projects and an outreach and education plan. The plan is consistent with USEPA watershed-based plan guidance found in Appendix C of the Nonpoint Source Program and Grants Guidelines for States and Territories dated April 12, 2013 (as revised).

NPS Program: All Sources

Project Location: Winnebago County

Waterbody Name (ID): Keith Creek (IL_PR-01)

Subgrantee: ZION Development Corporation
PO Box 4387
Rockford, Illinois 61110-0887

Project Period: 12/10/20 through 12/31/22

Total Project Cost:	\$110,833.33	Cumulative Expenditure:	\$99,685.78
Federal:	\$66,500.00	Federal:	\$59,811.47
State and Local:	\$44,333.33	State and Local:	\$39,874.31

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Watershed Resource Inventory	12/31/21	Yes	
Final Watershed Resource Inventory	06/30/21	Yes	
Joint Evaluation Form	07/31/22	Yes	
Draft Watershed-based Plan	07/31/22	Yes	
Final Watershed-based Plan	11/30/22	Yes	
Draft Executive Summary	07/31/22	Yes	
Final Executive Summary	11/30/22	Yes	

Comments: This project is complete.

Project Reports and Other Informational Materials:

Keith Creek Watershed-based Plan – Draft Report. August 2022. ZION Development

FEDERAL FISCAL YEAR 2020 (WATERSHED PROJECT FUNDS)) - 999520020

Title: [Embarras River Watershed Based Plan Update](#)

Purpose: This project updated the Embarras River Watershed Management Plan. Including an update for 2 HUC12 watersheds to meet the 9 elements of a WBP. These priority watersheds were selected using stakeholder input combined with data analysis. The watershed characterization for the remainder of the HUC8 watershed was updated along with a quantification of point and nonpoint source pollution along with coordinating local agencies and groups to encourage BMP adoption by watershed landowners. The project included field assessments, custom modeling, stakeholder engagement, and one-on-one landowner interaction. In the priority subwatershed(s), the update included the creation of a custom landuse layer, identification of tillage practices, gully erosion, and a spatially explicit pollution loading model for later use to target BMPs to the most critical locations and to quantify annual loadings of sediment and nitrogen.

NPS Program: All Sources

Project Location: Champaign, Coles, Douglas, Edgar, Cumberland, Clark, Crawford, and Lawrence Counties

Waterbody Name (ID): Embarras River (IL_BE-01)

Subgrantee: Coles County Soil and Water Conservation District
6021 Development Drive, Suite 2
Charleston, Illinois 61920-9442

Project Period: December 3, 2020 through December 31, 2022

Total Project Cost:	\$177,688.00	Cumulative Expenditure:	\$174,823.10
Federal:	\$106,613.00	Federal:	\$104,893.86
State and Local:	\$71,075.00	State and Local:	\$ 69,929.24

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Planning Strategy	2/15/21	Yes	
Final Planning Strategy	3/15/21	Yes	
Complete Implementation of Planning Strategy	12/31/21	Yes	
Draft Watershed Resource Inventory	11/1/21	Yes	
Final Watershed Resource Inventory	12/31/21	Yes	
Draft Watershed-based Plan	9/1/22	Yes	
Final Watershed-based Plan	12/31/22	Yes	
Draft Education Strategy	4/1/21	Yes	
Final Education Strategy	5/1/21	Yes	
Complete Implementation of Education Strategy	10/31/22	Yes	
Draft Executive Summary	9/1/22	Yes	
Final Executive Summary	12/31/22	Yes	
Self-Assessment of Plan	9/1/22	Yes	
Draft Project Report	11/1/22	Yes	
Final Project Report	12/1/22	Yes	

Comments: This project is complete.

Project Reports and Other Informational Materials:

Title: [Lake Springfield Watershed Management Plan BMP Implementation – Phase 3](#)

Purpose: This project installed best management practices (BMPs) to reduce nonpoint source pollution in the Lake Springfield (ILREF) watershed. The BMPs were recommended in the 2017 Lake Springfield Watershed-based Management Plan, and included cover crops, grassed waterways; a grade stabilization structure; nutrient management planning; shoreline stabilization; woodland improvement; a rain barrel and a rain garden. The project included a gully erosion study and a comprehensive tillage practices study. A spatial watershed assessment and management model was developed. The project included an educational component involving meetings, bus tours, field days, and newsletters.

NPS Program: Agriculture, Urban Runoff, Hydrologic Modification

Project Location: Sangamon, Morgan, and Macoupin Counties

Waterbody Name (ID): Lake Springfield (ILREF)

Subgrantee: Sangamon County Soil & Water Conservation District
2623 Sunrise Drive, Suite 1
Springfield, Illinois 62703-7302

Project Period: December 9, 2020 through March 30, 2023

Total Project Cost:	\$700,000.00	Cumulative Expenditure:	\$525,461.56
Federal:	\$420,000.00	Federal:	\$315,279.47
State and Local:	\$280,000.00	State and Local:	\$210,182.09

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	3/30/23	Yes	
Draft BMP Strategy	1/31/21	Yes	
Final BMP Strategy	2/28/21	Yes	
Complete Implementation of BMP Strategy	11/30/22	Yes	
Draft Outreach/Information Strategy	2/28/21	Yes	
Final Outreach/Information Strategy	3/31/21	Yes	
Complete Implementation of O/I Strategy	12/31/22	Yes	
Draft Gully Erosion Study	5/31/22	Yes	
Final Erosion Study	9/30/22	Yes	
Post Erosion Study on Web Site	10/31/22	Yes	
Draft Tillage Study	5/31/22	Yes	
Final Tillage Study	9/30/22	Yes	
Post Tillage Study on Web Site	10/31/22	Yes	
SWAMM Working Draft Online	3/31/21	Yes	
SWAMM Launch w/Final Dashboard	4/30/21	Yes	
Draft Project Report	10/1/22	Yes	
Final Project Report	12/31/22	Yes	

Comments: This project is complete.

Project Reports and Other Informational Materials:

Lake Springfield Watershed-based Management Plan Best Management Practices Implementation Project – Phase 3. January 31, 2023. Sangamon County Soil and Water Conservation District.

Title: [Robbins Rain Garden and Riparian Restoration Project](#)

Purpose: This project was to install best management practices (BMPs) in the Midlothian Creek (IL_HBA-01) watershed (HUC 071200030404) to reduce nonpoint source pollution. BMPs to be implemented under this project would include 1) streambank stabilization using re-grading, removing invasive vegetation and installing native vegetation; 2) a riparian buffer of native vegetation; 3) rock vanes; and 4) a rain garden. The project also proposed development and printing (3,000 copies) of an educational pamphlet, interpretive signs, and community meetings.

NPS Program: Urban Runoff

Project Location: Cook County

Waterbody Name (ID): Midlothian Creek (IL_HBA-01)

Subgrantee: Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, Illinois 60611-2829

Project Period: March 4, 2021 through December 31, 2022

Total Project Cost:	\$1,960,064.00	Cumulative Expenditure:	\$0.00
Federal:	\$1,000,064.00	Federal:	\$0.00
State and Local:	\$960,000.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	12/31/22	Yes	
Draft BMP Strategy	10/1/21	Yes	
Final BMP Strategy	12/1/21	Yes	
Complete BMP Strategy Implementation	10/1/22	No	
Draft Education Strategy	10/1/21	Yes	
Final Education Strategy	12/1/21	Yes	
Complete Education Strategy Implementation	10/1/22	Yes	
Draft Project Report	10/1/22	No	Waived by IEPA
Final Project Report	12/1/22	No	Waived by IEPA

Comments: Project delays occurred due to COVID-19, project logistics, and a strike at the Thornton Rock Quarry; a new agreement 3192007B was executed to complete the project as proposed and within the award period. See page 97. No costs were incurred under 3192007.

Project Reports and Other Informational Materials:

No reports

20-07 (319) SR/CD

Title: [Village Hall Permeable Paver Parking Lot](#)

Purpose: This project replaced the existing asphalt parking lot with permeable pavement over an 18-inch layer of open-graded stone at the Chicago Ridge Village Hall. The project provides temporary storage of runoff before it infiltrates into the sub-grade or slowly drains via a perforated pipe in the stone base. The project reduces stormwater runoff and nonpoint source pollution discharged to Stony Creek-West (IL_HG), which is a tributary of the Calumet Sag Channel (IL_H-01). The project included educational signage.

NPS Program: Urban Runoff

Project Location: Cook County

Waterbody Name (ID): Stony Creek-West (IL_HG)

Subgrantee: Village of Chicago Ridge
10455 S. Ridgeland Avenue
Chicago Ridge, Illinois 60415-2090

Project Period: February 3, 2021 through March 31, 2023

Total Project Cost:	\$134,910.00	Cumulative Expenditure:	\$186,323.75
Federal:	\$ 80,946.00	Federal:	\$ 80,946.00
State and Local:	\$ 53,964.00	State and Local:	\$105,377.26

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	12/31/22	Yes	
BMP Draft Design Package	7/30/21	Yes	
BMP O&M Plan	7/30/21	Yes	
Landowner Agreement	9/30/21	Yes	
Complete BMP Implementation	7/15/23	Yes	
BMP Invoice/Photo Documentation	11/15/22	Yes	
Draft Sign Design	9/30/21	Yes	
Final Sign Design	3/31/22	Yes	
Install Sign	9/30/22	Yes	
Draft Project Report	9/30/22	Yes	
Final Project Report	11/15/22	Yes	

Comments: This project is complete.

Project Reports and Other Informational Materials:

Village Hall Permeable Paver Parking Lot Project. November 2022. Village of Chicago Ridge.

Title: [Klein Creek Stream Restoration - Reaches 5, 6 and 7](#)

Purpose: This project removed a concrete channel and tire retaining wall and repaired highly eroded streambanks, using soil wraps, boulder toe, and permanent vegetative cover, to improve water quality. The concrete channel had been bordered by mowed lawn which has minimal water quality benefit. The Village restored three segments of the channel to a natural stream corridor following natural stream restoration design principles with appropriate fluvial geomorphologic features. These improvements addressed some of the identified causes in the Klein Creek Watershed Based Plan (2017) within the Village of Glendale Heights.

NPS Program: Hydrologic Modification

Project Location: DuPage County

Waterbody Name (ID): Klein Creek (IL_GBKC-01)

Subgrantee: Village of Glendale Heights
300 Civic Center Plaza
Glendale Heights, Illinois 60139-3451

Project Period: March 4, 2021 through March 31, 2023

Total Project Cost:	\$930,000.00	Cumulative Expenditure:	\$948,641.88
Federal:	\$558,000.00	Federal:	\$558,000.00
State and Local:	\$372,000.00	State and Local:	\$390,641.88

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	10/31/22	Yes	
BMP Draft Design Package	12/31/21	Yes	
BMP O&M Plan	12/31/21	Yes	
Sign Design	12/31/21	Yes	
Landowner Agreement	12/31/21	Yes	
Complete BMP Implementation	10/31/22	Yes	
BMP Invoice/Photo Documentation	12/15/22	Yes	
Draft Sign Design	12/31/21	Yes	
Final Sign Design	03/31/22	Yes	
Install Sign	12/31/22	Yes	
Draft Project Report	10/31/22	Yes	
Final Project Report	12/31/22	Yes	Under IEPA Review.

Comments: This project is complete.

Project Reports and Other Informational Materials:

Klein Creek Stream Restoration – Reaches 5, 6 and 7 Section 319 Final Report. November 2022.
Village of Glendale Heights

Title: [Oakbrook Tributary Restoration](#)

Purpose: This Grantee stabilized approximately 2,819 feet of eroding streambank on a segment of Oakbrook Tributary, which is a tributary of Salt Creek (IL_GL-09), located between Kingery Hwy and Eisenhower Rd in Oakbrook Terrace, Illinois. Streambank stabilization techniques included bank grading, seeding and blanketing, removal of non-native and invasive trees and shrub, coir log, “tucked” stone, riprap and boulder toe, and large faux limestone concrete landscaping blocks. The project also included educational signage.

NPS Program: Hydrologic Modification

Project Location: DuPage County

Waterbody Name (ID): Salt Creek (IL_GL-09)

Subgrantee: City of Oakbrook Terrace
17W275 Butterfield Road
Oakbrook Terrace, Illinois 60181-4282

Project Period: 10/19/20 through 12/31/22

Total Project Cost:	\$390,000.00	Cumulative Expenditure:	\$411,803.05
Federal:	\$234,000.00	Federal:	\$234,000.00
State and Local:	\$156,000.00	State and Local:	\$177,803.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	12/31/22	Yes	
Draft BMP Strategy	10/01/21	Yes	
Final BMP Strategy	12/01/21	Yes	
Complete Implementation of BMP Strategy	10/01/22	Yes	
Draft Education Strategy	10/01/21	Yes	
Final Education Strategy	12/01/21	Yes*	
Complete Implementation of Education Strategy	10/01/22	Yes*	
Draft Project Report	10/01/22	Yes*	
Final Project Report	12/01/22	Yes	

Comments: This project is complete. * The ‘Education Strategy’ should have been ‘Sign Design’.

Project Reports and Other Informational Materials:

Project Evaluation and Summary Report – Oak Brook Tributary Restoration. November 15, 2022. Oakbrook Terrace.

7. Ongoing Multiyear Projects - Closed Section 319 Grants

FEDERAL FISCAL YEAR 2016 (NPS PROGRAM FUNDS)) - 999520016

Title: [Total Maximum Daily Load Development](#)

Purpose: The Illinois EPA will develop Stage 1 and, if necessary Stage 2, and Stage 3 Total Maximum Daily Load (TMDL) reports for the pollutants within selected watersheds. The Stage 1 and Stage 2 reports will be used to support the development of Total Maximum Daily Loads (TMDLs) and implementation plans for TMDL attainment, plans which will meet the nine minimum elements of a watershed-based plan.

NPS Program: Monitoring/Evaluation

Project Location: Statewide

Waterbody Name (ID): Multiple

Subgrantee: TetraTech

Project Period: 10/27/17 through 03/31/21

Total Project Cost:	\$449,045.00	Cumulative Expenditure:	\$90,851.98
Federal:	\$449,045.00	Federal:	\$90,851.98
State and Local:	\$0.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Mackinaw River Stage 1 Report	06/30/19	Yes	
Mackinaw River Stage 3 Report	03/31/22	Yes	
Upper Kaskaskia R./Lake Fork Stage 1 Report	06/30/19	Yes	
Upper Kaskaskia R./Lake Fork Stage 3 Report	03/31/22	Yes	
Middle Kaskaskia R./Carlyle Lake Stage 1 Report	06/30/19	Yes	
Middle Kaskaskia R./Carlyle Lake Stage 3 Report	03/31/22	Yes	
LaMoine River-East Fork Stage 1 Report	06/30/19	Yes	
WPP LaMoine River-East Fork Stage 3 Report	03/31/22	Yes	
E. Fk Kaskaskia R./Farina Lake Stage 1 Report	06/30/19	Yes	
E. Fk Kaskaskia R./Farina Lake Stage 3 Report	03/31/22	Yes	
Crooked Creek/Lost Creek Stage 1 Report	06/30/19	Yes	
WPP Crooked Creek/Lost Creek Stage 3 Report	03/31/22	Yes	
Shoal Creek Stage 1 Report	06/30/19	Yes	
WPP Shoal Creek Stage 3 Report	03/31/22	Yes	
Lower Kaskaskia R./Doza Creek Stage 1 Report	06/30/19	Yes	
WPP Lower Kaskaskia R./Doza Creek Stage 3 Report	03/31/22	Yes	

Comments: This project is complete.

Project Reports and Other Informational Materials:

“Upper Kaskaskia River and Lake Fork Watershed TMDL Report.” March 2024. Illinois EPA & Tetra Tech.

“Middle Kaskaskia River/Carlyle Lake Watershed TMDL Report.” March 2024. Illinois EPA & Tetra Tech.

“East Fork LaMoine River Watershed (II): Watershed Protection Plan.” April 2024. Illinois EPA & Tetra Tech.

“East Fork Kaskaskia River and Farina Lake Watershed TMDL Report.” March 2024. Illinois EPA & Tetra Tech.

“Crooked Creek and Lost Creek Watershed: Watershed Protection Plan.” April 2024. Illinois EPA & Tetra Tech.

“Shoal Creek Watershed (II): Watershed Protection Plan.” April 2024. Illinois EPA & Tetra Tech.

“Lower Kaskaskia River Watershed (II): Watershed Protection Plan.” April 2024. Illinois EPA & Tetra Tech.

16-00 (319) AH (FWN-18009)

FEDERAL FISCAL YEAR 2017 (NPS PROGRAM FUNDS)) - 999520017

Title: [Total Maximum Daily Load Development](#)

Purpose: The Illinois EPA will develop Stage 1 and, if necessary, Stage 2 and Stage 3 Total Maximum Daily Load (TMDL) reports for the pollutants within selected watersheds. The Stage 1 and Stage 2 reports will be used to support the development of Total Maximum Daily Loads (TMDLs) and implementation plans for TMDL attainment, plans which will meet the nine minimum elements of a watershed-based plan.

NPS Program: Monitoring/Evaluation

Project Location: Statewide

Waterbody Name (ID): Multiple

Subgrantee: CDM Smith Inc.

Project Period: 09/18/19 through 03/31/22

Total Project Cost:	\$728,109.83	Cumulative Expenditure:	\$137,700.42
Federal:	\$0.00	Federal:	\$0.00
State and Local:	\$728,109.83	State and Local:	\$137,700.42

Project Milestone	Completion Date	Completed Yes/No	Comments
Kickapoo Creek Stage 1 Report	12/31/20	Yes	
WPP Kickapoo Creek Stage 3 Report	10/09/24	Yes	
Big Creek Stage 1 Report	12/31/20	Yes	
WPP Big Creek Stage 3 Report	10/09/24	Yes	
Big Ditch Stage 1 Report	12/31/20	Yes	
WPP Big Ditch Stage 3 Report	10/09/24	Yes	
Saline Branch Stage 1 Report	12/31/20	Yes	
TMDL Saline Branch Stage 3 Report	10/09/24	Yes	
Little Wabash River\Green Creek Stage 1 Report	12/31/20	Yes	
TMDL Little Wabash River\Green Creek Stage 3 Report	09/20/24	Yes	
Salt Creek Stage 1 Report	12/31/20	Yes	
WPP Salt Creek Stage 3 Report	10/09/24	Yes	
Rock River\Pierce Lake Stage 1 Report	12/31/20	Yes	
TMDL Rock River\Pierce Lake Stage 3 Report	09/26/24	Yes	
Kyte River Stage 1 Report	12/31/20	Yes	
TMDL Kyte River Stage 3 Report	09/20/24	Yes	

Comments: This project is complete.

Project Reports and Other Informational Materials:

“Kickapoo Creek Watershed: Watershed Protection Plan.” September 2024. Illinois EPA & CDM Smith.

“Big Creek Watershed: Watershed Protection Plan.” September 2024. Illinois EPA & CDM Smith.

“Big Four Ditch Watershed: Watershed Protection Plan.” September 2024. Illinois EPA & CDM Smith.

“Saline Branch-Boneyard Creek TMDL and Watershed Based Implementation Plan.” September 2024. Illinois EPA & CDM Smith.

“Little Wabash River – Lake Paradise Watershed TMDL and Watershed-based Implementation Plan.” September 2024. Illinois EPA & CDM Smith.

“Salt Creek Watershed: Watershed Protection Plan.” September 2024. Illinois EPA & CDM Smith.

“Rock River/Pierce Lake Watershed TMDL and Watershed-based Implementation Plan.” September 2024. Illinois EPA & CDM Smith.

“Kyte River Watershed TMDL and Watershed-based Implementation Plan.” September 2024. Illinois EPA & CDM Smith.

17-0 (319) AH (WLP20402)

8. Ongoing Projects - Open Section 319 Grants

FEDERAL FISCAL YEAR 2020 (NPS PROGRAM FUNDS)) - 999520020

Title: Total Maximum Daily Load Development

Purpose: Illinois EPA will work with selected vendors/consultants to develop TMDLs to address impairments listed on Illinois' 303(d) List of Impaired Waters. TMDLs will be selected using the protocol outlined in the Agency's Integrated Report. The TMDL development will include a stakeholder participation component and the implementation plan will meet U.S. EPA's nine minimum elements for a watershed-based plan.

NPS Program: Monitoring/Evaluation

Project Location: Statewide

Waterbody Name (ID): Multiple

Subgrantee: TBD

Project Period: TBD through TBD

Total Project Cost:	\$1,000,000.00	Cumulative Expenditure:	\$0.00
Federal:	\$514,566.00	Federal:	\$0.00
State and Local:	\$485,434.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
TBD	TBD	No	

Comments: An Invitation For Bid (IFB) was published October 2024.

Project Reports and Other Informational Materials:

20 -0 (319) AH

Title: [Salt Smart Training & Certification Program for Parking Lot & Sidewalk BMPs](#)

Purpose: A qualified consultant developed a robust training and certification program geared toward public and private snow removal professionals that coordinated under the Salt Smart Collaborative (SaltSmart.org) a program managed by The Conservation Foundation. The training showcases well accepted winter management BMPs to reduce chloride/salt use while maintaining expected levels of safety. Working with a steering committee, the consultant 1) reviewed the Winter Parking Lots and Sidewalk Manual for the Chicago Region and identified additional BMPs needed for statewide application; 2) drafted course outline, materials, and presentations for an initial training class (proposed ½ day class) and a refresher course (web-based); 3) held a small test training workshop; 4) developed a ‘Train the Trainer’ program; and 5) developed a certification program.

NPS Program: Urban Runoff

Project Location: DuPage County

Waterbody Name (ID):

Subgrantee: The Conservation Foundation
10S404 Knoch Knolls Road
Naperville, Illinois 60565-5448

Project Period: February 17, 2021 through September 30, 2023

Total Project Cost:	\$160,000.00	Cumulative Expenditure:	\$136,295.95
Federal:	\$96,000.00	Federal:	\$ 81,694.91
State and Local:	\$64,000.00	State and Local:	\$ 54,600.79

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	9/30/23	Yes	
Draft Project Strategy	4/30/21	Yes	
Final Project Strategy	6/30/21	Yes	
Complete Implementation of the Strategy	6/30/23	Yes	
Draft Project Report	7/15/23	Yes	
Final Project Report	8/15/23	Yes	

Comments: This project is complete.

Project Reports and Other Informational Materials:

Illinois Winter Maintenance Manual for Parking Lots and Sidewalks. December 2022. The Conservation Foundation. Salt Smart Certified for Park Districts. Salt Smart Certified for Property Managers Presentation. Salt Smart For Clients. Salt Smart For Contractors. Salt Smart For Property Manager. Salt Smart Property Manager Booklet. Salt Smart Trifod Brochure.

FEDERAL FISCAL YEAR 2020 (WATERSHED PROJECT FUNDS)) - 999520020

Title: [Candlewick Western Tributary Biofiltration Project](#)

Purpose: This project installed best management practices (BMPs) in the Candlewick Lake (IL_RPV) watershed (HUC 070900060402) to reduce nonpoint source pollution. BMPs implemented under this project included 1) reconnecting the channel of an unnamed tributary to its floodplain to restore 1.75 acres of wetland; 2) installation of five diversions of various lengths (total 430' in length) to spread stormwater throughout the restored wetland so it will contact soil and native plants for maximum filtration of nutrients and suspended solids; 3) stabilization of 440 feet of eroding streambank; and 4) installation of aeration and 775 square feet of floating treatment wetlands with an approximate depth of 4' in a 10,000-sf area that is plagued with blooms of blue-green algae and nuisance filamentous much of the year.

NPS Program: Urban Runoff and Hydrologic Modification

Project Location: Boone

Waterbody Name (ID): Candlewick Lake (IL_RPV)

Subgrantee: Candlewick Lake Association, Inc.
13400 Hwy 76
Poplar Grove, Illinois 61065

Project Period: 10/19/20 through 12/31/23

Total Project Cost:	\$ 367,510.00	Cumulative Expenditure:	\$342,799.31
Federal:	\$ 220,506.00	Federal:	\$205,679.58
State and Local:	\$ 147,004.00	State and Local:	\$137,119.73

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	12/31/23	Yes	
Draft BMP Strategy	10/01/21	Yes	
Final BMP Strategy	12/01/21	Yes	
Complete Implementation of BMP Strategy	12/01/23	Yes	
Draft Project Report	10/01/23	Yes	
Final Project Report	12/01/23	Yes	

Comments: This Project is complete.

Project Reports and Other Informational Materials:

“Candlewick Western Tributary Bioinfiltration Project Project Evaluation Report.” Project #3192006. Olsen Ecological Solutions, LLC. December 1, 2023

Title: [Robbins Rain Garden and Riparian Restoration Project](#)

Purpose: This project is a continuation of 3192007 to complete installation of best management practices (BMPs) in the Midlothian Creek (IL_HBA-01) watershed (HUC 071200030404) to reduce nonpoint source pollution. BMPs implemented under this project will include 1) streambank stabilization using re-grading, removing invasive vegetation and installing native vegetation; 2) a riparian buffer of native vegetation; 3) rock vanes; and 4) one rain garden. The project also includes printing (3,000 copies) of an educational pamphlet, interpretive signs, and community meetings.

NPS Program: Urban Runoff

Project Location: Cook County

Waterbody Name (ID): Midlothian Creek (IL_HBA-01)

Subgrantee: Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street
Chicago, Illinois 60611-2829

Project Period: 02/20/2024 through 03/15/2025

Total Project Cost:	\$1,960,064.00	Cumulative Expenditure:	\$0.00
Federal:	\$1,000,064.00	Federal:	\$0.00
State and Local:	\$960,000.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	02/15/25	No	Ongoing
BMP Documentation Form (Part 1) and Design	04/30/24	Yes	
BMP O&M Plan	04/30/24	Yes	
Sign Design	04/30/24	Yes	
Complete BMP Implementation	12/15/24	No	
BMP Invoice/Photo Documentation	01/30/25	No	
Complete Educational Pamphlet	10/31/24	No	
Complete Informational Meetings	11/29/24	No	
Draft Project Report	11/29/24	No	
Final Project Report	2/15/25		

Comments: New agreement to complete original 3192007 project.

Project Reports and Other Informational Materials:

Title: [Klein Creek Section 1 Streambank Stabilization](#)

Purpose: This project will remove deteriorated retaining walls and install bioengineering stabilization methods to provide enhanced water quality benefits. The project includes streambank stabilization (rock toe, root wads, FES Lifts, limestone terrace wall), eleven rock vanes, and a wetland and riparian/buffer restoration to create a floodplain terrace in the overbank areas. Overbank areas will be flattened to increase the residence time of stormwater runoff. This area will be vegetated with riparian and mesic prairie vegetation. Approximately 5.0 acres of native riparian buffer will be created in these areas. These areas will also provide a transition area between the creek and residential upland areas to treat direct residential runoff before it enters the creek. These proposed improvements are designed to function in a complementary fashion to improve the overall quality of Klein Creek, and the West Branch DuPage River. The project will alleviate the impacts from decades of urbanization and its effects on water quality.

NPS Program: Hydrologic Modification

Project Location: DuPage County

Waterbody Name (ID): Klein Creek (IL_GBKC-01)

Subgrantee: Village of Carol Stream
500 N Gary Avenue
Carol Stream, Illinois 60440-1811

Project Period: February 4, 2021 through September 30, 2024

Total Project Cost:	\$2,000,000.00	Cumulative Expenditure:	\$101,799.75
Federal:	\$1,000,000.00	Federal:	\$ 50,000.00
State and Local:	\$1,000,000.00	State and Local:	\$ 51,799.75

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	02/15/24	Yes	Ongoing
BMP Draft Design Package	12/31/21	Yes	
BMP O&M Plan	12/31/21	Yes	
Draft Landowner Agreement	12/31/21	Yes	
Final Landowner Agreement	01/31/22	Yes	
Complete BMP Implementation	06/15/24	Yes	
BMP Invoice/Photo Documentation	08/15/24	No	Progress is being made
Draft Sign Design	12/31/21	Yes	
Final Sign Design	01/15/24	Yes	
Install Sign	04/30/24	No	Progress is being made
Draft Project Report	04/30/24	No	Progress is being made
Final Project Report	08/15/24	No	

Comments:

Project Reports and Other Informational Materials:

Title: [Woods Creek Restoration Project – Phase 2](#)

Purpose: This project installed best management practices (BMPs) in the Woods Creek Lake (IL_RTZZ) watershed (HUC 071200061201) to reduce nonpoint source pollution. BMPs implemented under this project included stream channel stabilization using 13 riffles (cross-vane weirs and J-hooks); streambank stabilization (both sides of the stabilized channel) through re-grading, stone toe protection, and native vegetation; and 22 acres of wetland restoration through the removal of invasive plant species and planting a native seed mixture adjacent to the stream.

NPS Program: Hydrologic Modification

Project Location: McHenry County

Waterbody Name (ID): Woods Creek Lake (IL_RTZZ)

Subgrantee: Village of Lake in the Hills
9010 Haligus Road
Lake in the Hills, Illinois 60156-6385

Project Period: December 1, 2020 through September 30, 2023

Total Project Cost:	\$1,341,000.00	Cumulative Expenditure:	\$915,326.04
Federal:	\$804,600.00	Federal:	\$549,195.97
State and Local:	\$536,400.00	State and Local:	\$366,130.69

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	10/31/23	Yes	
BMP Draft Design Package	3/31/21	Yes	
BMP O&M Plan	3/31/21	Yes	
Sign Design	3/31/21	Yes	
Landowner Agreement	3/31/21	Yes	
Complete BMP Implementation	5/31/23	Yes	
BMP Invoice/Photo Documentation	6/30/23	Yes	
Draft Project Report	5/31/23	Yes	
Final Project Report	6/30/23	No	Under IEPA review

Comments: This grant agreement end date was extended to 9/30/2023.

Project Reports and Other Informational Materials:

Title: [Manitou Creek Watershed & Fish Drain Watershed-based Plan](#)

Purpose: This project developed a watershed-based plan for the Manitou Creek & Fish Drain (IL_PR-01/IL_PR-99) watershed (a 50 square miles) portion of HUC 0709000501 that is designed to improve water quality by controlling nonpoint source pollution. The watershed is predominately in an urban environment, a consultant facilitated the process and worked with the Lake County Stormwater Commission and its partners to leverage the recommendations. The project included stakeholder meetings, identification of critical area projects and an outreach and education plan. The plan is consistent with USEPA watershed-based plan guidance found in Appendix C of the Nonpoint Source Program and Grants Guidelines for States and Territories dated April 12, 2013 (as revised).

NPS Program: All Sources

Project Location: Lake County/McHenry County

Waterbody Name (ID): Manitou Creek (IL_PR-01)/Fish Drain (IL_PR-99)

Subgrantee: Lake County Stormwater Management Commission
500 West Winchester Road
Libertyville, Illinois 60048-1371

Project Period: December 15, 2020 through December 31, 2024

Total Project Cost:	\$240,130.00	Cumulative Expenditure:	\$206,524.58
Federal:	\$144,078.00	Federal:	\$123,914.58
State and Local:	\$ 96,052.00	State and Local:	\$ 82,610.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Watershed Resource Inventory	05/01/24	Yes	
Final Watershed Resource Inventory	08/01/24	No	Progress is being made
Draft Watershed-based Plan	07/01/24	Yes	
Final Watershed-based Plan	10/01/24	No	Under IEPA Review
Draft Executive Summary	07/01/24	Yes	
Final Executive Summary	10/01/24	No	Under IEPA Review
Self-Assessment of Plan	07/01/24	Yes	Under IEPA Review

Comments: The project name was updated to Manitou Creek as USGS has changed the creek name.

Project Reports and Other Informational Materials:

FEDERAL FISCAL YEAR 2021 (NPS PROGRAM FUNDS)) - 999520021

Title: [Lake Decatur Water Quality Initiative Phase 1](#)

Purpose: This project includes implementation of two BMPs and watershed-based planning activities in multiple 12-digit HUC subwatersheds. The first BMP is a series of (stair step) treatment wetlands in the Big/Long Creek and Friends Creek subwatershed. The second BMP will stabilize a severely eroded forested gully in the Bluffs subwatershed. The project will update old, outdated, and existing watershed plans for multiple watersheds downstream of Monticello, Illinois. The plans will be consistent with the USEPA watershed-based plan guidance. The subwatersheds include Sand Creek, Friends Creek, the Sangamon River- Wildcat Creek, and Willow Branch.

NPS Program: Agriculture, Hydrologic Modification, and Urban Runoff

Project Location: Macon County

Waterbody Name (ID): Sand Creek, Friends Creek, Wildcat Creek and Willow Branch.

Subgrantee: City of Decatur

1 Gary K. Anderson Plaza
Decatur, Illinois 62523-1005

Project Period: April 22, 2022, through July 15, 2024

Total Project Cost:	\$250,000.00	Cumulative Expenditure:	\$325,723.68
Federal:	\$150,000.00	Federal:	\$150,000.00
State and Local:	\$100,000.00	State and Local:	\$175,723.68

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	4/15/24	Yes	
BMP Documentation Form P1 and Design	9/30/22	Yes	
O&M Plan	9/30/22	Yes	
Sign Design	9/30/22	Yes	
Landowner Agreement	9/30/22	Yes	
Complete BMP Implementation	12/15/23	Yes	
BMP Invoice/Photo Documentation	12/26/23	Yes	
Draft WBP Strategy	6/30/22	Yes	
Final WBP Strategy	9/30/22	Yes	
Implement WBP Strategy	1/31/24	Yes	
Submit WBP Assessments	1/15/24	Yes	
Draft Project Report	1/31/24	Yes	
Final Project Report	2/29/24	Yes	

Comments: This project is completed.

Project Reports and Other Informational Materials:

Lake Decatur Water Quality Initiative Phase 1 Section 319 Project Final Report
Sand Creek Subwatershed Plan, Wildcat Creek Subwatershed Plan, Willow Branch Subwatershed Plan

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Sediment (tons/year)	Estimated Load Reduction		
				Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
584	Stream Channel Stabilization	747 ft.	105	45	-	180
580	Streambank and Shoreline Stabilization	200 ft.	67	61		59
657	Wetland Restoration	4.6 acres	337	127		724



21-01 (319) RA

Title: [Cedar Lake BMP Installation – Gully & Shoreline Stabilization](#)

Purpose: This project will stabilize eroding gullies, streambanks, and lakeshore. Shoreline stabilization will be done utilizing stone riprap application by boat. There is a loading facility already available. The gully stabilization will use limestone riprap in the form of check dams at designed intervals within the gullies. Where appropriate water and sediment control basin construction may be utilized. Streambank stabilization will include earthwork to shape existing banks, protected by geotextile fabric and stone riprap installation. Toe protection and end transitions will include trenching fabric and riprap into the existing stable material.

NPS Program: Agriculture and Hydrologic Modifications

Project Location: Jackson and Union Counties

Waterbody Name (ID): Cedar Lake (IL_RNE)

Subgrantee: City of Carbondale
200 South Illinois Avenue
Carbondale, Illinois 62902

Project Period: April 27, 2022, through May 30, 2024

Total Project Cost:	\$1,250,000.00	Cumulative Expenditure:	\$1,366,947.76
Federal:	\$ 750,000.00	Federal:	\$ 750,000.00
State and Local:	\$ 500,000.00	State and Local:	\$ 616,947.76

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	03/31/24	Yes	
Draft BMP Strategy	09/30/22	Yes	
Final BMP Strategy	12/31/22	Yes	
Complete Implementation of BMP Strategy	12/31/23	Yes	
Draft Educational Sign	12/31/22	Yes	
Final Educational Sign	03/31/22	Yes	
Install Sign	12/31/23	Yes	
Draft Website Concept/Design	12/31/22	Yes	
Final Website Concept/Design	06/30/23	Yes	
Post Website	07/15/23	Yes	
Draft Project Report	12/31/23	Yes	
Final Project Report	02/15/24	Yes	

Comments: This project is completed.

Project Reports and Other Informational Materials:

Project Evaluation and Final Report for the Cedar Lake BMP Installation Gully and Shoreline Stabilization

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Sediment (tons/year)	Estimated Load Reduction		
				Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
581	Ditch Stabilization	1,981 ft.	675	675	-	1,350
580	Streambank and Shoreline Stabilization	12,419 ft.	1,935	1,935		3,870



Finished Product of Gully Stabilization



Finished Product of Bank Stabilization

21-02 (319) DS

Title: [Mississippi North Central Watershed Screening Analysis](#)

Purpose: The Mississippi North Central (Flint-Henderson) watershed is approximately 1.1 million acres in size, spans 6 counties, including 65 tributaries – all draining to the Mississippi River. The watershed has been identified as high priority in the Illinois NLRS for nitrate-nitrogen.

This project would conduct watershed characterization, subwatershed screening, and stakeholder outreach throughout the 1.1 million acre HUC-08 to prioritize a more manageable number of smaller HUC-12 subwatersheds that would be fast-tracked by the local watershed stakeholders for WBP development after the project is complete.

NPS Program: Agriculture, Hydrologic Modification, and Urban Runoff

Project Location: Hancock, Henderson, Henry, Knox, Mercer, and Warren Counties.

Waterbody Name (ID): Multiple – including Henderson Creek (IL_LD-02), North Henderson Creek (IL_LDE-03), Edwards River (IL_LF-01), and Cedar Creek (IL_LDD-C2).

Subgrantee: Mercer County Soil and Water Conservation District
308 SE 8th Ave.
Aledo, Illinois 61231

Project Period: May 24, 2022, through March 31, 2024

Total Project Cost:	\$65,000.00	Cumulative Expenditure:	\$60,600.00
Federal:	\$39,000.00	Federal:	\$36,220.00
State and Local:	\$26,000.00	State and Local:	\$24,084.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Watershed-based Inventory (WBI) Strategy	9/30/22	Yes	
Final Watershed-based Inventory (WBI) Strategy	11/15/22	Yes	
Complete Implementation of WBI Strategy	9/30/23	Yes	
Draft Outreach Information Strategy	9/30/22	Yes	
Final Outreach Information Strategy	11/15/22	Yes	
Complete Implementation of Outreach/Info. Strategy	9/30/23	Yes	
Draft Joint Evaluation Form	6/30/23	Yes	
Final Joint Evaluation Form	9/30/23	Yes	
Draft Project Report	8/31/23	Yes	
Final Project Report	11/30/23	Yes	

Comments: This [project is completed.

Project Reports and Other Informational Materials:

Mississippi North Central Watershed-Based Inventory (WBI) Strategy

Title: [16th Avenue Sediment Basin](#)

Purpose: This project created a wet sediment detention basin located upstream of Lake Yaeger to capture a portion of the sediment and nutrients that flowed into the lake. Trees and brush were cleared in the impoundment area and riprap placed on the upstream slope of the dam. The impoundment stops erosion on 3,100 feet of streambank above the basin and is designed to allow removal of sediment by dry excavation before it gets into the lake with the 16th Avenue Road embankment acting as an earthen dam. An outlet structure was added at the upstream end of an existing 96-inch diameter culvert. The basin's permanent pool level is 10.5 feet above Lake Yaeger.

NPS Program: Agriculture, Hydrologic Modification/Wetlands, and Silviculture

Project Location: Montgomery County

Waterbody Name (ID): Lou Yaeger (IL_ROM)

Subgrantee: City of Litchfield
120 East Ryder Street
Litchfield, Illinois 62056-2031

Project Period: March 28, 2022 through April 30, 2024

Total Project Cost:	\$383,000.00	Cumulative Expenditure:	\$517,818.42
Federal:	\$229,800.00	Federal:	\$229,200.00
State and Local:	\$153,200.00	State and Local:	\$288,618.42

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	4/30/24	Yes	
BMP Documentation Form P1 and Design	9/30/22	Yes	
O&M Plan	9/30/22	Yes	
Sign Design	9/30/22	Yes	
Complete BMP Implementation	12/31/23	Yes	
BMP Invoice/Photo Documentation	2/15/24	Yes	
Draft Project Report	11/30/23	Yes	
Final Project Report	2/15/24	Yes	

Comments:

This project is completed. Match exceeded budgeted amount by \$135,818.42

Project Reports and Other Informational Materials:

Lake Lou Yaeger Watershed Implementation Project

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Sediment (tons/year)	Estimated Load Reduction		
				Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
584	Stream Channel Stabilization	875 ft.	71	71	-	141
580	Streambank and Shoreline Stabilization	875 ft.	(combined with above)			



21-04 (319) RA

Title: [Longvalley Streambank Stabilization Project](#)

Purpose: This project stabilized the streambank of the West Fork of the North Branch of the Chicago River. The project is on new open space located in a residential neighborhood. The streambanks at this parcel are steep and eroded, typical of urbanized Chicago River system. It is part of the Village effort to implement water quality improvements in the West Fork watershed, including several previous streambank stabilizations, channel re-meandering, pool-and-riffle structures, and naturalization of riparian areas and detention basins identified in the development of the 2008 NBCR watershed plan.

NPS Program: Hydrologic Modification

Project Location: Cook County

Waterbody Name (ID): West Fork North Branch Chicago River (IL_HCCB-05)

Subgrantee: Village of Glenview
2500 East Lake Avenue
Glenview, Illinois 60026-2600

Project Period: June 27, 2022 through June 30, 2024

Total Project Cost:	\$375,175.00	Cumulative Expenditure:	\$678,897.52
Federal:	\$224,000.00	Federal:	\$224,000.00
State and Local:	\$151,175.00	State and Local:	\$454,897.52

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	04/30/24	Yes	
BMP Documentation Form P1 and Design	10/31/22	Yes	
O&M Plan	10/31/22	Yes	
Sign Design	10/31/22	Yes	
Complete BMP Implementation	05/31/24	Yes	
BMP Invoice/Photo Documentation	06/15/24	Yes	
Draft Outreach Information Strategy	10/31/22	Yes	
Final Outreach Information Strategy	12/31/22	Yes	
Complete Implementation of O/I Strategy	05/31/24	Yes	
Draft Project Report	05/01/24	Yes	
Final Project Report	06/01/24	Yes	

Comments: This project is completed. Match exceeded original budget by \$303,722.52

Project Reports and Other Informational Materials:

Longvalley Streambank Stabilization Project

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction			
			Sediment (tons/year)	Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
584	Stream Channel Stabilization	875 ft.	71	71	-	141
580	Streambank and Shoreline Stabilization	875 ft.	(combined with above)			



21- 05 (319) RA

Title: [Chain O' Lakes Watershed Plan](#)

Purpose: This project will develop a watershed-based plan (WBP) for the four HUC12 subwatersheds that make up the Fox River/Chain O' Lakes watershed. The WBP will be designed to improve water quality by controlling nonpoint source pollution. The plan will be consistent with the USEPA watershed-based plan guidance found in Appendix C of the Nonpoint Source Program and Grants Guidelines for States and Territories, dated April 12, 2013 (as revised). This project proposes to supplement the recently approved Fox River/Chain O' Lakes Watershed TMDL – Stage 3 report (June 2020).

The Fox Waterway Agency wants to take the information provided in the TMDL and work with local stakeholders to identify specific locations for BMPs per the TMDL and to also address water quality impairments not specifically covered by the TMDL. This watershed also has challenges with the multiple – hydrologic connections between the lakes (above and below ground).

NPS Program: Agriculture, Hydrological Modifications, and Urban Runoff/Stormwater

Project Location: Lake and McHenry Counties

Waterbody Name (ID): Multiple Waterbodies

Subgrantee: Fox Waterway Agency
45 S. Pistakee Lake Road
Fox Lake, Illinois 60020-1755

Project Period: April 4, 2022 through June 30, 2024

Total Project Cost:	\$168,900.00	Cumulative Expenditure:	\$168,900.00
Federal:	\$101,340.00	Federal:	\$101,340.00
State and Local:	\$ 67,560.00	State and Local:	\$ 67,560.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	06/30/24	Yes	
Draft Watershed Resource Inventory	07/31/23	Yes	
Final Watershed Resource Inventory	09/01/23	Yes	
Draft Watershed-based Plan	12/22/23	Yes	
Final Watershed-based Plan	02/15/24	Yes	
Draft Executive Summary	12/22/23	Yes	
Final Executive Summary	02/01/24	Yes	
Self-Assessment of Plan	02/15/24	Yes	
Draft Outreach Information Strategy	06/30/22	Yes	
Final Outreach Information Strategy	09/30/22	Yes	
Complete Implementation of O/I Strategy	12/22/23	Yes	
Draft Project Report	11/01/23	Yes	
Final Project Report	02/15/24	Yes	

Comments: This project is completed.

Project Reports and Other Informational Materials:
Chain O'Lakes Watershed Plan

21- 06 (319) JE

Title: [Dry Run Creek Restoration](#)

Purpose: The project will stabilize both banks (approximately 830 linear feet total) and the channel (approximately 450 linear feet) of Dry Run Creek in West Peoria, Illinois. The first step will be to protect and cap the sanitary sewer (not part of grant budget), then once that is completed, the streambed will be addressed. Slope restoration will consist of removal of existing failed gabions and other debris. New gabions will be installed where needed, side slopes will be regraded. Stumps will be grubbed and riprap toe protection will be placed in areas that are not actively eroding. The portions of the embankments that are not armored will receive soil wraps and slope re-grading and will be reseeded/planted with native vegetation.

NPS Program: Hydrologic Modifications/Wetlands

Project Location: Peoria County

Waterbody Name (ID): Kickapoo Creek (IL_DL-01)

Subgrantee: Peoria County
324 Main Street
Peoria, Illinois 61602

Project Period: July 19, 2022 through July 15, 2025

Total Project Cost:	\$726,413.00	Cumulative Expenditure:	\$26,653.40
Federal:	\$435,848.00	Federal:	\$15,992.04
State and Local:	\$290,565.00	State and Local:	\$10,661.36

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	6/30/24	No	Ongoing
BMP Documentation Form P1 and Design	3/31/23	Yes	
O&M Plan	3/31/23	Yes	
Sign Design	3/31/23	Yes	
Landowner Agreement	3/31/23	Yes	
Complete BMP Implementation	5/15/24	No	Ongoing
BMP Invoice/Photo Documentation	6/30/24	No	
Draft Sign	3/31/23	Yes	
Final Sign	7/31/23	Yes	
Install Sign	12/31/23	Yes	
Draft Website	8/31/23	Yes	
Final Website	12/31/23	Yes	
Publish Website	1/15/24	Yes	
Draft Project Report	5/15/24	No	
Final Project Report	6/30/24	No	

Comments: Contract extended from August 30, 2024 to July 15, 2025

Project Reports and Other Informational Materials:

FEDERAL FISCAL YEAR 2021 (WATERSHED PROJECT FUNDS)) - 999520021

Title: [Indian Creek- Cahokia Creek Watershed BMP Implementation](#)

Purpose: This project will implement BMPs recommended in the Indian-Cahokia Creek WBP (12/1/2018). A TMDL for the area was developed in 2007. The 126,000-acre watershed is in Madison and Macoupin counties. HeartLands Conservancy and its partners will implement this project like the Highland Silver (3191807) and Canteen Creek (3191904) projects. One BMP (Dunlap Lake Detention Basin) has been identified, the remaining BMPs will be implemented once a cost share sign up and site investigations have been conducted. BMPs - Grassed waterways, Ponds, WASCObS, Wetland restoration, Shoreline stabilization, Stream channel and bank stabilization, Bioswales, and Cover Crops. The Dunlap Lake project is an in-lake sediment detention basin. Costs are for some sediment removal, along with creation of a sediment basin that will allow the community to remove sediment on a regular basis at a reduced cost – which will help protect the downstream portion of the watershed.

NPS Program: Agriculture, Hydrological Modifications/Wetlands, and Urban Runoff/Stormwater

Project Location: Madison and Macoupin Counties

Waterbody Name (ID): Multiple waterbodies, including: Indian Creek (IL_JQA-01) and Cahokia Creek (IL_JQ-03 and IL_JQ-05)

Subgrantee: HeartLands Conservancy
29 E. Main Street
Belleville, Illinois 62220

Project Period: March 11, 2022 through December 31, 2024

Total Project Cost:	\$1,572,288.41	Cumulative Expenditure:	\$1,464,156.79
Federal:	\$ 861,847.04	Federal:	\$ 581,215.53
State and Local:	\$ 710,441.37	State and Local:	\$ 882,746.40

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	12/31/24	No	Ongoing
Draft BMP Strategy	6/30/22	Yes	
Final BMP Strategy	8/31/22	Yes	
Complete Implementation of BMP Strategy	9/30/24	No	Ongoing
Draft Outreach and Information Strategy	6/30/22	Yes	
Final Outreach and Information Strategy	8/31/22	Yes	
Complete Outreach and Information Strategy	6/30/24	No	Ongoing
Draft Project Report	9/15/24	No	
Final Project Report	11/30/24	No	

Comments: This project is in process of being extended six months.

Project Reports and Other Informational Materials:

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction			
			Sediment (tons/year)	Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
580	Streambank and Shoreline Protection	1,354 ft.	150	150	-	268
638	Water and Sediment Control Basin	1,266 ft.	24	14		27
412	Grassed Waterway	1 acre	96	48		48
350	Sediment Basin	1	2,079	1,536		3,075

Title: [Ratt Creek Reach 5 Stabilization and Restoration](#)

Purpose: This project will implement the Ratt Creek Reach 5 Stabilization and Restoration project per the Jelkes Creek-Fox River Watershed Action Plan (2015). The project is shovel-ready (plans complete and permits obtained) and the site is located on public land and easements are owned and managed by the Village of Algonquin. The project site/stream is 2,500 linear feet and includes streambank stabilization on both banks (total 5,000 LF), using a combination of rock toe and bank grading, 7 cross vane riffles and 10 jhook riffles. Invasive tree and shrubs will be removed from 9.5 acres. A total of 9.7 acres of native seeding will occur. This includes 5,300 wet prairie/emergent native plant plugs and 27 native trees.

NPS Program: Hydrologic Modification/Wetlands

Project Location: McHenry County

Waterbody Name (ID): Fox River (IL_DT-20)

Subgrantee: Village of Algonquin
2200 Harnish Drive
Algonquin, Illinois 60102-5995

Project Period: March 8, 2022 through March 31, 2024

Total Project Cost:	\$1,278,576.00	Cumulative Expenditure:	\$772,661.24
Federal:	\$ 767,145.60	Federal:	\$463,596.75
State and Local:	\$ 511,430.40	State and Local:	\$309,064.49

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	3/31/24	Yes	
BMP Documentation Form P1 and Design	6/30/22	Yes	
O&M Plan	6/30/22	Yes	
Sign Design	6/30/22	Yes	
Landowner Agreement	6/30/22	NA	
Complete BMP Implementation	9/30/23	Yes	
BMP Invoice/Photo Documentation	10/31/23	Yes	
Draft Sign	5/30/22	Yes	
Final Sign	8/30/22	Yes	
Install Sign	9/30/23	Yes	
Draft Project Report	10/31/23	Yes	
Final Project Report	12/31/23	Yes	

Comments:

This project is completed.

Project Reports and Other Informational Materials:

Ratt Creek Reach 5 Stabilization & Restoration Project
2 Informational Signs

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Sediment (tons/year)	Estimated Load Reduction		
				Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
580	Streambank and Shoreline Protection	5,264 ft.	170	170	-	321
657	Wetland Restoration	10.75 acres	22	61		404



21-10 (319) JE

Title: [Sugar Creek Restoration Project](#)

Purpose: This implemented multiple BMPs recommended in the Sugar Creek Restoration Project Concept Plan and the Lower Salt Creek Watershed-based Plan. The project at the Sugar Creek Golf Course (Villa Park), managed/owned by the Elmhurst Park District, addressed multiple water quality issues. Sugar Creek was impounded at the golf course during construction in the 1970s. (The pond area was historically a wetland.) Extensive watershed development caused ‘flashy streamflow’ and the site had become unstable. The project removed non-functioning sheet pile, restored streambanks and built meanders, a sediment forebay, and a wetland.

NPS Program: Hydrological Modifications/Wetlands and Urban Runoff/Stormwater

Project Location: DuPage County

Waterbody Name (ID): Salt Creek (IL_GL-03)

Subgrantee: Elmhurst Park District
375 West First Street
Elmhurst, Illinois 60126-2642

Project Period: May 31, 2022 through March 31, 2024

Total Project Cost:	\$1,225,031.38	Cumulative Expenditure:	\$1,212,480.47
Federal:	\$ 612,515.69	Federal:	\$ 606,240.22
State and Local:	\$ 612,515.69	State and Local:	\$ 606,240.25

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	3/31/24	No	Ongoing
BMP Documentation Form P1 and Design	9/30/22	Yes	
O&M Plan	9/30/22	Yes	
Sign Design	9/30/22	Yes	
Landowner Agreement	9/30/22	NA	
Complete BMP Implementation	12/15/23	Yes	
BMP Invoice/Photo Documentation	1/31/24	Yes	
Draft Outreach and Information Strategy	8/31/22	Yes	
Final Outreach and Information Strategy	10/15/22	Yes	
Complete Outreach and Information Strategy	10/31/23	Yes	
Draft Project Report	12/15/23	Yes	
Final Project Report	1/31/24	Yes	

Comments:

This project is completed.

Project Reports and Other Informational Materials:

Sugar Creek Restoration Project Tributary to Lower Salt Creek

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Sediment (tons/year)	Estimated Load Reduction		
				Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
580	Streambank and Shoreline Protection	2,236 ft.	133	133	-	266
584	Stream Channel Stabilization	240 ft.	45	45		89
580	Streambank and Shoreline Protection	2,663 ft	174	174		347
800	Urban Stormwater Wetlands	0.5 acres		725		2,696
350	Sediment Basin	0.3 acres		849	1,054,830	
835	Urban Filter Strip	1.7 acres		622	787,348	4,493



Photo 6: Pre-construction shallow water depths at the impounded area result in exposure of mud flats with a water level of drawdown of 0.75 feet. The completed project used these conditions to construct wetland, a sediment forebay, a restored stream channel, and other water quality improvements.



Photo 7: Construction of the wetland restoration area allowed unconsolidated sediment deposits previously discharging to Lower Salt Creek Watershed to become stabilized with native vegetation.

Title: [Thorn Creek BMP Project](#)

Purpose: The City of Chicago Heights, consisting of older, fully developed neighborhoods, proposes to install a swale and two wetland detention ponds. These BMPs are designed to reduce stormwater runoff peak flows into the storm sewer system and provide water quality benefits. The engineering plans for these BMPs were 30% complete at the time of application.

The two wetland detention basins (one with additional inlets) will capture the first flush of runoff and direct it to the wetland basin. The proposed wetlands will provide native vegetation and stormwater storage with an area that has little open space. The pond will be designed to mimic a natural wetland ecosystem that enables consistent pollutant removal through increased residence times that promote gravitational settling, biological uptake, and microbial activity.

NPS Program: Urban Runoff/Stormwater

Project Location: Cook County

Waterbody Name (ID): Thorn Creek (IL_HBD-04)

Subgrantee: City of Chicago Heights
1601 Chicago Road
Chicago Heights, Illinois 60411

Project Period: June 15, 2022 through August 31, 2024

Total Project Cost:	\$793,832.12	Cumulative Expenditure:	\$796,747.95
Federal:	\$476,299.27	Federal:	\$476,299.27
State and Local:	\$317,532.85	State and Local:	\$320,448.68

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	8/31/24	Yes	
BMP Documentation Form P1 and Design	12/31/22	Yes	
O&M Plan	12/31/22	Yes	
Sign Design	12/31/22	Yes	
Complete BMP Implementation	1/31/24	Yes	
BMP Invoice/Photo Documentation	3/15/24	Yes	
Draft Project Report	1/31/24	Yes	
Final Project Report	3/31/24	Yes	

Comments:

More match included than initially budgeted

Project Reports and Other Informational Materials:

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Sediment (tons/year)	Estimated Load Reduction		
				Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
657	Wetland Restoration	3.14 acres	30.1	89		274

Title: [City of Northlake – Reach 1 – Addison Creek Streambank Restoration Project](#)

Purpose: The project is located on Reach 1 of Addison Creek in the City of Northlake, in Cook County, Illinois. The creek is located within a man-made excavated channel that is experiencing severe erosion. In addition, non-native and invasive tree and shrub species have established at the site and are causing shade-suppressed groundcover, which has resulted in thin or bare soil areas – prone to soil erosion. The project stabilized the stream bank using 1) riprap for toe protection and 2) in locations with limited workspace/adjoining infrastructure gabion baskets will be installed. Above the toe protection, native vegetation was installed. Groupings of native trees and shrubs were installed. The project also included signage and website updates.

NPS Program: Hydrological Modification/Wetlands

Project Location: Cook County

Waterbody Name (ID): Addison Creek (IL_GLA-04)

Subgrantee: City of Northlake

55 E. North Ave.

Northlake, Illinois 60164-1365

Project Period: April 27, 2022 through April 30, 2024

Total Project Cost:	\$875,665.00	Cumulative Expenditure:	\$823,818.90
Federal:	\$525,399.00	Federal:	\$391,622.74
State and Local:	\$350,266.00	State and Local:	\$432,196.16

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	4/30/24	Yes	
BMP Documentation Form P1 and Design	12/30/22	Yes	
O&M Plan	12/30/22	Yes	
Sign Design	12/30/22	Yes	
Landowner Agreement	12/30/22	Yes	
Complete BMP Implementation	10/15/23	Yes	
BMP Invoice/Photo Documentation	11/30/23	Yes	
Draft Sign	8/30/22	Yes	
Final Sign	9/15/22	Yes	
Install Sign	11/15/23	Yes	
Draft Website	2/28/23	Yes	
Final Website	4/30/23	Yes	
Publish Website	5/31/23	Yes	
Draft Project Report	10/15/23	Yes	
Final Project Report	12/31/23	Yes	

Comments: This project is completed.

Project Reports and Other Informational Materials:

Reach 1 - Addison Creek Streambank Restoration Project

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Sediment (tons/year)	Phosphorus (lbs/year)	Estimated Load Reduction	
					TSS (lbs/year)	Nitrogen (lbs/year)
584	Stream Channel Stabilization	875 ft.	13	13	-	27
580	Streambank and Shoreline Protection	875 ft.			(Combined with above)	



21-13 (319) DS

Title: [Spring Brook #1 Streambank Stabilization](#)

Purpose: The Wheaton Sanitary District proposes to implement streambank stabilization and woodland enhancement along the approximate 0.5 miles of Spring Brook #1 that flows through their property.

The project aims to stabilize both banks. The existing banks will be graded to an average slope of 2.5:1 and will be planted with native vegetation. The planting plan includes two native mixes: partial shade mix for the slopes and full sun mix for the cleared slopes and the top of bank. The project also proposes riparian woodland management along the creek. The existing non-native rees will be removed and replaced with native trees and shrubs.

NPS Program: Hydrological Modification/Wetlands

Project Location: DuPage County

Waterbody Name (ID): Spring Brook #1 (IL_GBKA-01)

Subgrantee: Wheaton Sanitary District
1 S 649 Shaffner Road
Wheaton, Illinois 60189-3348

Project Period: March 11, 2022 through April 30, 2024

Total Project Cost:	\$1,384,418.40	Cumulative Expenditure:	\$929,629.12
Federal:	\$ 719,897.57	Federal:	\$481,327.14
State and Local:	\$ 664,520.83	State and Local:	\$444,301.98

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	4/30/24	Yes	
BMP Documentation Form P1 and Design	6/30/22	Yes	
O&M Plan	6/30/22	Yes	
Sign Design	6/30/22	Yes	
Complete BMP Implementation	10/31/23	Yes	
BMP Invoice/Photo Documentation	12/15/23	Yes	
Draft Project Report	10/31/23	Yes	
Final Project Report	12/31/23	Yes	

Comments: This project is completed.

Project Reports and Other Informational Materials:

Spring Brook Stream and Floodplain Restoration – Wheaton Sanitary District 22-0012

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction			
			Sediment (tons/year)	Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
580	Streambank and Shoreline Protection	5,160 ft.	545	13	-	74
666	Woodland Improvement	2.06 acres				



21-14 (319) RA

FEDERAL FISCAL YEAR 2022 (NPS PROGRAM FUNDS)) - 999520022

Title: Total Maximum Daily Load Development

Purpose: Illinois EPA will work with selected vendors/consultants to develop TMDLs to address impairments listed on Illinois' 303(d) List of Impaired Waters. TMDLs will be selected using the protocol outlined in the Agency's Integrated Report; Appendix A-5 - Long-Term Vision for Assessment, Restoration, and Protection Under the CWA Section 303(d) Program (AKA The Vision). The TMDL development will include a stakeholder participation component and the implementation plan will meet U.S. EPA's nine minimum elements for a watershed-based plan. In addition, Illinois EPA will pilot a hybrid TMDL/WBP effort on at least one 12-digit HUC watershed with existing water quality impairments, where there is an older TMDL that was not required to meet the 9-element plan requirement. The pilot project will work with a local unit of government to engage the local watershed community to actively participate in an abridged version of development of an implementation plan. The process will use the existing TMDL calculations and watershed characterization as a springboard for the local group to develop the watershed implementation plan on a shorter schedule to allow the participants to take ownership of the plan and focus more efforts on the implementation of the TMDL.

NPS Program: Monitoring/Evaluation

Project Location: Statewide

Waterbody Name (ID): Multiple

Subgrantee: TBD

Project Period: TBD through TBD

Total Project Cost:	\$800,000.00	Cumulative Expenditure:	\$0.00
Federal:	\$200,000.00	Federal:	\$0.00
State and Local:	\$600,000.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
TBD	TBD	No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

22-0 (319) AH

Title: [Lake Decatur Water Quality Initiative Phase 2](#)

Purpose: This project is located within the 920 square mile Lake Decatur watershed. It includes installation of BMPs recommended in the Lake Decatur Bluffs WBP (currently under review by Illinois EPA) to reduce nutrients and sediment to Lake Decatur. The BMPs (2,152 LF shoreline stabilization, 2 WSCoBs, 2 grade stabilization structures, 2 ponds, and 240 LF streambank stabilization) will address agriculture, hydrologic modification, and urban stormwater runoff. The project also includes the update of the 34,975 Camp Creek subwatershed portion (071300060402, 071300060404) of the Lower Part of the Upper Sangamon River Resource Plan (2008) into an Illinois EPA-approvable 9-element WBP. The WBP development will include planning meetings and one-on-one landowner outreach to secure input on problems, solutions, and priorities for WBP implementation.

NPS Program: Agriculture, Hydrologic Modification, and Urban Runoff

Project Location: Macon County

Waterbody Name (ID): Sangamon River (IL_E-95) and Lake Decatur (IL_REA).

Subgrantee: City of Decatur
1 Gary K. Anderson Plaza
Decatur, Illinois 62523-1005

Project Period: July 10, 2023 through June 14, 2025

Total Project Cost:	\$447,572.06	Cumulative Expenditure:	\$386,948.66
Federal:	\$250,003.24	Federal:	\$206,714.09
State and Local:	\$197,568.82	State and Local:	\$180,234.57

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	06/14/25	Ongoing	
BMP Documentation Form P1 and Design	12/12/23	Yes	
O&M Plan	12/12/23	Yes	
Sign Design	12/12/23	Yes	
Landowner Agreement	12/12/23	Yes	
Complete BMP Implementation	12/31/24	No	
BMP Invoice/Photo Documentation	01/31/25	No	
Draft WBP Strategy	08/1/23	Yes	
Final WBP Strategy	10/1/23	Yes	
Implement WBP Strategy	03/31/25	No	
Submit WBP Assessments	11/1/24	No	
Draft Project Report	12/31/24	No	
Final Project Report	02/28/25	No	

Comments:

Project Reports and Other Informational Materials:

Title: [Stabilization of Gullies and Streambanks](#)

Purpose: This project will stabilize approximately 8,500 LF of eroding gullies and 700 LF of eroding streambanks in the Lake Kinkaid watershed. The proposed work is entirely within land owned by the Illinois Department of Natural Resources. Gully stabilization will utilize check dams (limestone riprap) installed at designed intervals within the gullies to eliminate erosion from the gullies. Where/when appropriate, water and sediment control basins will be constructed as the BMP for certain critical areas. Streambank stabilization will be done through grading existing banks, and application of geotextile fabric and stone riprap. Toe protection and end transitions will include trenching fabric and riprap into existing stable material.

NPS Program: Hydrologic Modification/Wetlands and Silviculture

Project Location: Jackson County

Waterbody Name (ID): Kinkaid Lake (IL_RNC).

Subgrantee: Kinkaid-Reed's Creek Conservancy District
1762 Water Plant Road
Murphysboro, Illinois 62966

Project Period: TBD through TBD

Total Project Cost:	\$519,706.34	Cumulative Expenditure:	\$12,163.26
Federal:	\$311,823.80	Federal:	\$ 1,375.61
State and Local:	\$207,882.53	State and Local:	\$10,787.65

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	08/15/25	Ongoing	
BMP Documentation Form P1 and Design	05/31/24	Yes	
O&M Plan	05/31/24	Yes	
Sign Design	05/31/24	Yes	
Landowner Agreement	05/31/24	Yes	
Complete BMP Implementation	05/30/25	No	
BMP Invoice/Photo Documentation	07/15/25	No	
Draft Educational Sign Design	05/31/24	Yes	
Final Educational Sign Design	09/30/24	In progress	
Install Educational Sign	01/09/25	No	
Draft Project Report	05/30/25	No	
Final Project Report	08/31/25	No	

Comments:

Project Reports and Other Informational Materials:

Title: [Multi-Watershed Outreach Demonstration Program](#)

Purpose: This project will use significant outreach and education and two demonstration BMPS to encourage local watershed stakeholders to adopt NPS pollution control BMPs in the Buckbee Creek and the South Fork Kent Creek watersheds in Winnebago County. Each watershed will have one demonstrative BMP implemented. The activities, including a bioretention basin and bioswale, are recommended in a local watershed-based plan.

NPS Program: Agriculture, Hydrologic Modification, and Urban Runoff

Project Location: Winnebago County

Waterbody Name (ID): Buckbee Creek (IL_P-23) and South Fork Kent Creek (IL_PSA)).

Subgrantee: Region 1 Planning Commission
127 N. Wyman #100
Rockford, Illinois 61101

Project Period: August 31, 2023 through November 15, 2025

Total Project Cost:	\$535,001.85	Cumulative Expenditure:	\$226,075.84
Federal:	\$299,942.12	Federal:	\$ 84,539.72
State and Local:	\$235,059.73	State and Local:	\$141,536.12

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	08/15/25	Ongoing	
Draft Outreach and Info Strategy	10/31/23	Yes	
Final Outreach and Info Strategy	12/31/23	Yes	
Complete Implementation of I/O Strategy	05/15/25	Yes	
BMP Documentation Form P1 and Design	01/26/24	Yes	
O&M Plan	01/26/24	Yes	
Sign Design	01/26/24	Yes	
Landowner Agreement	01/26/24	Yes	
Complete BMP Implementation	05/30/25	No	
BMP Invoice/Photo Documentation	07/15/25	No	
Draft Project Report	05/15/25	No	
Final Project Report	07/15/25	No	

Comments:

- Bioretention at Ken Rock Park scheduled to be completed

Project Reports and Other Informational Materials:

- Technical Assistance available from project partner Olson for rain garden installation evaluation at residential properties
- Added video production with in-kind assistance from Rockford Public Library

Title: [Kickapoo Creek Watershed-based Plan](#)

Purpose: This project will develop an Illinois EPA-approvable watershed plan for the 196,236-acre Kickapoo Creek watershed. Tri-County Regional Planning Commission will facilitate the process with the assistance of a consultant to create a watershed planning committee and Technical Advisory Committee. Kickapoo Creek has been plagued with issues such as erosion over the years. For these reasons, the Kickapoo Creek Watershed Plan is of great importance, and previous efforts will create a foundation for success. It is estimated that about half of the total NPS pollution of the Kickapoo Creek watershed comes from rural sources, while the other half comes from urban sources. This creates a unique situation, necessitating different pollution management approaches simultaneously. To do so, it is crucial to create local and regional connections. This task will be significantly less daunting because current groups have existed for years, and they have amassed a steady list of collaborating partners. As the list grows, this watershed study will be more informed, the pollution reduction strategies will be more effective, and it will reach a broader audience to create a long-term legacy.

NPS Program: Agriculture, Hydrologic Modification, and Urban Runoff

Project Location: Peoria, Fulton and Knox Counties

Waterbody Name (ID): Kickapoo Creek (IL_DL-01) and tributaries

Subgrantee: Tri-County Regional Planning Commission
456 Fulton Street, Suite 401
Peoria, Illinois 61602

Project Period: 06/26/2023 through 07/15/2025

Total Project Cost:	\$100,000.00	Cumulative Expenditure:	\$42,663.05
Federal:	\$ 60,000.00	Federal:	\$25,597.82
State and Local:	\$ 40,000.00	State and Local:	\$17,065.23

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	04/14/25	Ongoing	
Draft Watershed Resource Inventory	05/17/24	Yes	
Draft Watershed-based Plan	01/10/25	No	
Final Watershed-based Plan	03/15/25	No	
Complete Implementation of WBP Strategy	01/10/25	No	
Draft Project Report	01/10/25	No	
Final Project Report	03/14/25	No	

Comments:

Project Reports and Other Informational Materials:

Title: [Central South Branch Kishwaukee River Watershed-based Plan](#)

Purpose: The DeKalb County Soil and Water Conservation District (DCSWCD) will develop an Illinois EPA approvable watershed-based plan to prevent, eliminate, or reduce water quality impairments from nonpoint source (NPS) pollution to the surface and groundwater resources within the Central South Branch Kishwaukee River (CSBKR) watershed. The CSBKR watershed, at 103 square miles in size, is a large watershed located in a rural area of northern DeKalb County and extending into Boone County. It is made up of Deer Creek (HUC 070900060604; IL_PQCE), South Branch Kishwaukee River (HUC 070900060605; IL_PQC-05), and the Bull Run - South Branch Kishwaukee River (HUC 070900060608; IL_PQC-09) subwatersheds. The CSBKR faces a number of urgent concerns including three 303d Listed reaches (Deer Creek and 2 reaches of South Branch Kishwaukee River, together totaling nearly 35 miles), almost no vegetated stream buffers, heavy channelization, little in-stream habitat, a predominantly agricultural landscape with few agricultural best management practices in place, very little remaining open space/green infrastructure, and a number of rare, threatened or endangered species are found within the watershed.

NPS Program: Agriculture, Hydrologic Modification, and Urban Runoff

Project Location: DeKalb County

Waterbody Name (ID): South Branch Kishwaukee River (IL_PQC-09).

Subgrantee: DeKalb County Soil & Water Conservation District
1350 West Prairie Drive
Sycamore, Illinois 60178

Project Period: June 26, 2023 through July 15, 2025

Total Project Cost:	\$145,900.00	Cumulative Expenditure:	\$91,475.38
Federal:	\$ 87,540.00	Federal:	\$54,885.22
State and Local:	\$ 58,360.00	State and Local:	\$36,590.16

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	04/14/25	Ongoing	
Draft Watershed Resource Inventory	05/17/24	Yes	
Draft Watershed-based Plan	01/10/25	No	
Final Watershed-based Plan	03/15/25	No	
Draft Executive Summary	01/12/25	No	
Final Executive Summary	03/15/25	No	
Self-Assessment of Plan	01/10/25	No	
Draft Outreach Information Strategy	10/12/23	Yes	
Final Outreach Information Strategy	01/10/24	Yes	
Complete Implementation of O/I Strategy	01/10/25	No	
Draft Project Report	01/10/25	No	
Final Project Report	03/14/25	No	

Comments:

Project Reports and Other Informational Materials:

FEDERAL FISCAL YEAR 2022 (WATERSHED PROJECT FUNDS) - 999520022

Title: [Levings Lake Stormwater Wetland](#)

Purpose: This project will create additional wetland area with a filter strip adjacent to the South Fork Kent Creek, to the west of Levings Lake in Rockford, Illinois. The project will excavate roughly two acres, increasing the current wetland area to roughly 3 acres in size. The wetland will receive the floodwater directly from South Fork Kent Creek during frequent 0.5-year and greater stormwater surge events. Water detained in the wetland will allow suspended solids and NPS pollutants to filter out before the water returns to the stream.

NPS Program: Agriculture, Hydrologic Modification, and Urban Runoff

Project Location: Winnebago County

Waterbody Name (ID): South Fork Kent Creek (IL_PSA).

Subgrantee: Rockford Park District
401 S. Main Street
Rockford, Illinois 61101

Project Period: August 21, 2023 through September 15, 2025

Total Project Cost:	\$300,000.00	Cumulative Expenditure:	\$31,504.50
Federal:	\$180,000.00	Federal:	\$18,902.70
State and Local:	\$120,000.00	State and Local:	\$12,602.80

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	07/15/25	Ongoing	
BMP Documentation Form P1 and Design	04/29/24	Yes	
O&M Plan	04/29/24	Yes	
Sign Design	11/30/23	Yes	
Landowner Agreement	11/30/23	Yes	
Complete BMP Implementation	05/30/25	No	
BMP Invoice/Photo Documentation	07/15/25	No	
Draft Project Report	05/30/25	No	
Final Project Report	07/15/25	No	

Comments:

Project Reports and Other Informational Materials:

22-06 (319) RA

Title: [Winfield Creek Stream Restoration Project](#)

Purpose: The project will design and construct a stream restoration project along Winfield Creek on the DuPage County main campus which is located partially within the Village of Winfield and partially within the City of Wheaton. Most of the project area is owned by DuPage County. Two lots within the project scope are owned by the Winfield Park District and one lot is owned by the Village of Winfield. The Village and Park District are in favor of the project and Memorandums of Understanding will be enacted prior to the start of the project.

The project includes stabilizing 4,800 LF of eroded streambanks with bank shaping and installation of rock toe, planting native vegetation to stabilize banks and provide riparian habitat, placement of riffle structures in the stream to increase dissolved oxygen, placement of woody debris to provide bank stabilization and act as habitat features to improve aquatic life conditions, planting native vegetation in a filter strip along the riparian corridor to increase pollutant uptake and provide riparian habitat, installation of a bioswale at the main outfall from the county campus to filter pollutants, such as nutrients and chlorides, from the upland areas on campus before entering the stream, and the enhancement of 8 acres of wetland that is physically and hydrologically adjacent to the stream. The project will also have an education and outreach component consisting of a public trail with permanent signage as well as information on the project to be shared with the public through social media and newsletters.

NPS Program: Hydrologic Modification and Urban Runoff

Project Location: DuPage County

Waterbody Name (ID): Winfield Creek (IL_GBKF-01).

Subgrantee: County of DuPage
421 N. County Farm Road
Wheaton, Illinois 60187

Project Period: July 28, 2023 through September 22, 2025

Total Project Cost:	\$912,330.00	Cumulative Expenditure:	\$0.00
Federal:	\$547,398.00	Federal:	\$0.00
State and Local:	\$364,932.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	04/30/25	Ongoing	
BMP Documentation Form P1 and Design	10/13/23	Yes	
O&M Plan	10/13/23	Yes	
Sign Design	10/13/23	Yes	
Landowner Agreement	10/13/23	Yes	
Complete BMP Implementation	11/30/24	No	
BMP Invoice/Photo Documentation	01/30/25	No	
First Newsletter article and social media post	08/30/23	Yes	
Final Newsletter article and social media post	04/14/25	Yes	
Draft Sign Design	10/13/23	Yes	
Final Sign Design	01/13/24	Yes	
Sign Installation	01/10/25	No	
Draft Project Report	11/30/24	No	
Final Project Report	02/28/25	No	

Comments:

Project Reports and Other Informational Materials:

22-07 (319) JE

Title: [Lake Bloomington & Evergreen Lake Watershed Plan Implementation](#)

Purpose: This project will implement 1) an urban rain garden/wetland project, 2) a large (~ 2.0 acres) wetland creation, 3) 1,660 LF of shoreline stabilization, and 4) a saturated buffer within the Lake Bloomington and Evergreen Lake watersheds. All practice sites are on City-owned property and were selected based on expected pollutant load reductions and stakeholder recommendations. The applicant has also identified additional BMPs recommended within the Lake Bloomington and Evergreen Lake Watershed Plans that will be considered for funding as alternative projects should the notice of award be announced post project completion or project feasibility deemed insufficient following more detailed surveying and engineering. Contributors and partners include the City of Bloomington and lake property homeowners.

NPS Program: Agriculture, Hydrologic Modification, and Urban Runoff

Project Location: McLean County

Waterbody Name (ID): Lake Bloomington (IL_RDO) and Evergreen Lake (IL_SDA).

Subgrantee: McLean County Soil and Water Conservation District
402 North Kays Drive
Bloomington, Illinois 61761

Project Period: August 28, 2023 through November 15, 2025

Total Project Cost:	\$344,654.50	Cumulative Expenditure:	\$12,653.33
Federal:	\$159,354.50	Federal:	\$ 5,820.53
State and Local:	\$185,300.00	State and Local:	\$ 6,832.80

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	09/15/25	Ongoing	
BMP Documentation Form P1 and Design	12/15/23	Yes	
O&M Plan	12/15/23	Yes	
Sign Design	12/15/23	Yes	
Landowner Agreement	12/15/23	Yes	
Complete BMP Implementation	07/15/25	No	
BMP Invoice/Photo Documentation	09/15/25	No	
Draft Project Report	07/15/25	No	
Final Project Report	09/15/25	No	

Comments:

Project Reports and Other Informational Materials:

22-08 (319) RA

Title: [Highland Silver Lake Watershed BMP Implementation](#)

Purpose: This project will implement Best Management Practices (BMPs) and outreach efforts recommended in the Highland Silver Lake Watershed Plan (2011) to reduce the amount of sediment, phosphorus, and nitrogen reaching Silver Lake and its tributaries, East Fork Silver Creek and Lower Silver Creek, and improving the health of the soil throughout the watershed. HeartLands Conservancy has one site-specific BMP identified. The remainder of the BMPs to be installed will be selected during the grant period. HLC will market the project and hold cost-share signups as needed. Eligible BMPs include grassed waterways, water and sediment control basins (WASCoBs), stream channel and bank stabilization, shoreline stabilization, in-lake structure, sediment basins, and ponds. The projects will be selected on their ability to reduce NPS pollution. Once BMPs are ranked/approved, HLC staff and contractor (PE), will survey/design the BMPs.

NPS Program: Agriculture, Hydrologic Modification, and Urban Runoff

Project Location: Madison and Bond Counties

Waterbody Name (ID): Highland Silver Lake (IL_ROZA).

Subgrantee: HeartLands Conservancy
29 E. Main Street
Belleville, Illinois 62220

Project Period: August 22, 2023 through March 31, 2026

Total Project Cost:	\$1,171,398.45	Cumulative Expenditure:	\$161,159.87
Federal:	\$660,121.45	Federal:	\$ 90,810.08
State and Local:	\$511,277.00	State and Local:	\$ 70,349.79

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	12/31/25	Ongoing	
Draft BMP Strategy	09/30/23	Yes	
Final BMP Strategy	10/31/25	Yes	
Complete Implementation of BMP Strategy	09/30/25	No	
Draft Outreach and Info Strategy	09/30/23	Yes	
Final Outreach and Info Strategy	10/31/23	Yes	
Complete Outreach and Info Strategy	09/30/25	Yes	
Draft Project Report	09/30/25	No	
Final Project Report	12/31/25	No	

Comments:

3 projects underway: 1 pond; 1-1,785 LF Water and Sediment Control Basin with 0.5 acre grassed waterway; 8,800 LF Stream Channel Stabilization.

Project Reports and Other Informational Materials:

Title: [Silver Creek Stabilization Project](#)

Purpose: The project site includes 2,288 LF of existing bank conditions with near-vertical streambank heights ranging from three to nine feet in height. Lateral bank erosion has been observed as ranging between 5 – 9 feet in some areas. The project will install stone toe protection to resist scouring forces, re-grade the eroded banks, and install channel-stabilizing rock riffle structures to protect and improve water quality. The project includes the removal of failed concrete structures, and replacement with rock lining, and the installation of deep-rooted native plants. The project is recommended in a 2016 Silver Creek Watershed-based Plan.

NPS Program: Hydrologic Modification

Project Location: Cook County

Waterbody Name (ID): Silver Creek (IL_GM-01).

Subgrantee: Village of Melrose Park
1000 N. 25th Ave.
Melrose Park, Illinois 60160

Project Period: TBD through TBD

Total Project Cost:	\$723,953.83	Cumulative Expenditure:	\$506,127.67
Federal:	\$434,372.30	Federal:	\$303,676.60
State and Local:	\$289,581.53	State and Local:	\$202,451.07

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	04/14/25	Ongoing	
BMP Documentation Form P1 and Design	03/28/24	Yes	
O&M Plan	03/28/24	Yes	
Sign Design	03/28/24	Yes	
Landowner Agreement	03/28/24	Yes	
Last Day to Start BMP Implementation	03/15/25	Yes	
Complete BMP Implementation	09/15/25	No	
BMP Invoice/Photo Documentation	10/15/25	No	
Draft Information Strategy	03/28/24	Yes	
Final Information Strategy	06/26/24	Yes	
Complete Information Strategy	06/28/25	No	
Draft Educational Sign Design	11/15/23	Yes	
Final Educational Sign Design	01/10/24	Yes	
Educational Sign Installation	01/09/25	Yes	
Draft Project Report	06/30/25	No	
Final Project Report	08/31/25	No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

Title: [Lake Glenview Lakeshore Stabilization](#)

Purpose: This project will stabilize a total of 2,500 LF of islands and shoreline of Lake Glenview in Lake County. Wave and wind action are strong at Lake Glenview, in part because it is in a highly exposed area, and thus portions of the lake shorelines are steep and eroded. Significant loss of area, particularly from the islands, has been noted by the lake maintenance contractor. Lake Glenview is a 45-acre stormwater retention pond constructed in 1998 as part of a stormwater system draining the former Glenview Naval Air Station as it was redeveloped.

The project includes installation of button bush over a stable base along 1,500 linear feet around the islands and a mixture of approximately 1,000 linear feet of button bush and 1,000 linear feet of coir log around the lake shoreline. These features will improve water quality through erosion reduction, and interception of nutrients and pollutants prior to impacting the lake. Lake Glenview outlets through the North Navy Ditch, which is directly connected to the West Fork of the North Branch of the Chicago River.

NPS Program: Hydrologic Modification

Project Location: Lake County

Waterbody Name (ID): West Fork North Branch Chicago River (IL_HCCB-05).

Subgrantee: Village of Glenview
2500 East Lake Avenue
Glenview, Illinois 60026

Project Period: TBD through TBD

Total Project Cost:	\$252,000.00	Cumulative Expenditure:	\$0.00
Federal:	\$151,200.00	Federal:	\$0.00
State and Local:	\$100,800.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
TBD	TBD	No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

Title: [Flagg Creek Enhancement Project](#)

Purpose: This project will protect 3,325 LF of Flagg Creek using streambank and channel stabilization techniques. The stream is experiencing moderate to severe erosion. Project includes streambank stabilization (rock toe (tall bank rock toe for steep areas), bank grading, rock points, native plant materials, and erosion control blanket), riffle grade control (3 riffles), an urban filter strip, and 100 LF of two-stage channel demonstration.

NPS Program: Hydrologic Modification

Project Location: DuPage County

Waterbody Name (ID): Flagg Creek (IL_GK-03).

Subgrantee: Commonwealth of the Village Condominium Association
3041 Woodcreek Drive, Suite 100
Downers Grove, Illinois 60515

Project Period: July 10, 2023 through July 15, 2025

Total Project Cost:	\$782,797.94	Cumulative Expenditure:	\$423,741.00
Federal:	\$469,678.76	Federal:	\$254,244.60
State and Local:	\$313,119.18	State and Local:	\$169,496.40

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	04/14/25	Ongoing	
BMP Documentation Form P1 and Design	10/13/23	Yes	
O&M Plan	10/13/23	Yes	
Sign Design	10/13/23	Yes	
Landowner Agreement	10/13/23	Yes	
Last Day to Start BMP Implementation	7/1/2024	Yes	
Complete BMP Implementation	10/31/24	No	
BMP Invoice/Photo Documentation	01/15/25	No	
Draft brochure design	11/15/23	Yes	
Final brochure	01/15/24	Yes	
Distribute brochure	04/15/24	Ongoing	
Complete public meetings	12/15/24	Ongoing	
Draft Project Report	10/31/24	No	
Final Project Report	01/15/25	No	

Comments:

Project Reports and Other Informational Materials:

Title: [Lake Lou Yaeger – Shoreline Protection](#)

Purpose: Lake Lou Yaeger is a 1,200-acre lake located in central Illinois. The lake has been experiencing an excessive accumulation of sediment caused by migration to the lake throughout the past 50 years. In order to reduce the sediment and nutrient load entering Lake Lou Yaeger, the City is proposing to implement shoreline erosion control by adding riprap protection to 2,563 LF of shoreline. The project will improve the Lake Lou Yaeger ecosystem and reduce the nutrient load into the Gulf of Mexico. The lake provides flood control, a drinking water supply for the City of Litchfield and three water districts, habitat for wildlife and wetlands and recreational opportunities.

NPS Program: Hydrologic Modification

Project Location: Montgomery County

Waterbody Name (ID): Lake Lou Yaeger (IL_ROM).

Subgrantee: City of Litchfield
120 East Ryder Street
Litchfield, Illinois 62056-2031

Project Period: August 31, 2023 through December 31, 2025

Total Project Cost:	\$450,000.00	Cumulative Expenditure:	\$36,450.00
Federal:	\$270,000.00	Federal:	\$21,870.00
State and Local:	\$180,000.00	State and Local:	\$14,580.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	09/30/25	Ongoing	
BMP Documentation Form P1 and Design	11/15/23	Yes	
O&M Plan	11/15/23	Yes	
Sign Design	11/15/23	Yes	
Landowner Agreement	11/15/23	Yes	
Last Day to Start BMP Implementation	10/31/24	Yes	
Complete BMP Implementation	07/15/25	No	
BMP Invoice/Photo Documentation	09/15/25	No	
Draft Project Report	07/15/25	No	
Final Project Report	09/15/25	No	

Comments:

Project Reports and Other Informational Materials:

Title: [Waverly Lake TMDL & Watershed Plan Implementation](#)

Purpose: This project will implement 1,540 linear feet of lake shoreline stabilization (breakwater design) identified in the Illinois EPA-approved Waverly Lake Watershed Implementation Plan and TMDL (March 2017). The project focuses on the shoreline segments generating the greatest sediment and nutrient loads.

NPS Program: Hydrologic Modification

Project Location: Morgan County

Waterbody Name (ID): Waverly Lake (IL_SDC).

Subgrantee: City of Waverly
171 North Pearl Street
Waverly, Illinois 62692

Project Period: September 14, 2023 through December 31, 2025

Total Project Cost:	\$150,000.00	Cumulative Expenditure:	\$4,893.75
Federal:	\$ 90,000.00	Federal:	\$2,936.25
State and Local:	\$ 60,000.00	State and Local:	\$1,957.50

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	09/30/25	Ongoing	
BMP Documentation Form P1 and Design	11/15/23	Yes	
O&M Plan	11/15/23	Yes	
Sign Design	11/15/23	Yes	
Landowner Agreement	11/15/23	Yes	
Last Day to Start BMP Implementation	10/31/24	No	
Complete BMP Implementation	07/15/25	No	
BMP Invoice/Photo Documentation	09/15/25	No	
Draft Project Report	07/15/25	No	
Final Project Report	09/15/25	No	

Comments:

Project Reports and Other Informational Materials:

Title: [Rend Lake Watershed Conservation Partnership](#)

Purpose: The project will promote, design, and oversee the implementation of recommended BMPs listed in Section 9 of the Rend Lake TMDL. Information for each of the practices has been obtained from the Illinois NRCS Field Office Technical Guide; Conservation Practice Standards. All of these practices have a 10-year lifespan except for cover crops, which has a one-year lifespan. According to the TMDL development for Rend Lake Watershed published in 2014, 59% of the total watershed acreage is devoted to agriculture/crop production and is a potential source of NPS pollution contributing to water quality degradation within the watershed.

NPS Program: Agriculture

Project Location: Jefferson County

Waterbody Name (ID): Rend Lake (IL_RNB) and multiple tributaries.

Subgrantee: Jefferson County Soil and Water Conservation District
221 Withers Drive
Mount Vernon, Illinois 62864

Project Period: July 6, 2023 through March 31, 2026

Total Project Cost:	\$358,197.42	Cumulative Expenditure:	\$282,390.32
Federal:	\$214,848.86	Federal:	\$169,434.49
State and Local:	\$143,348.56	State and Local:	\$112,955.83

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	12/31/25	Ongoing	
Draft BMP Strategy	10/12/23	Yes	
Final BMP Strategy	12/15/23	Yes	
Complete Implementation of BMP Strategy	09/15/25	Yes	
Draft Outreach and Info Strategy	10/12/23	Yes	
Final Outreach and Info Strategy	12/15/23	Yes	
Complete Outreach and Info Strategy	09/15/25	No	
Draft Project Report	09/30/25	No	
Final Project Report	11/14/25	No	

Comments:
Project in progress.

Project Reports and Other Informational Materials:

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Sediment (tons/year)	Estimated Load Reduction		
				Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
340	Streambank and Shoreline Protection	2,484 ft.	1,036	1,126	-	2,724
412	Grassed Waterway	3.8 acres	177	177		354
638	Water and Sediment Control Basin	7,522	178	181		363

Title: [Three Tubes Meandering Sediment Retention Expansion](#)

Purpose: This project will expand and enhance an existing sediment detention basin on East Fork Creek just upstream from Lake Carroll. The project will construct 3 berms within an existing 5.44-acre dry detention sediment basin to meander the stream to help slow water flow from East Fork Creek before it enters Lake Carroll. There are already two berms within the project location that create the sediment basin.

This project will decrease sedimentation and nutrient loading in Lake Carroll, easing issues currently experienced by the lake including algae blooms, blue-green algae, and sedimentation. Installing these meanders will help stabilize the existing stream by increasing the 'water path' to 1,530 linear feet of a meandering, low flow, perennial stream. The sediment basin will function as the meandering stream's floodplain, retaining sediment, suspended solids, nutrients, and fecal coliform from floodwater during storms while slowly releasing the flow downstream. When the water level of the stream elevates above its perennial height, water will overflow into the sediment basin to be detained, then slowly released back into East Fork Creek before entering Lake Carroll. The trees where the sediment basin will be constructed will be removed, and 5.0 acres of native plants will be planted to increase NPS pollution filtration efficiency.

NPS Program: Hydrologic Modification

Project Location: Carroll County

Waterbody Name (ID): Lake Carroll (IL_RMQ).

Subgrantee: Lake Carroll Property Owners Association
2-200 Association Drive
Lanark, Illinois 61046

Project Period: NA

Total Project Cost:	\$0.00	Cumulative Expenditure:	\$0.00
Federal:	\$0.00	Federal:	\$0.00
State and Local:	\$0.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
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Comments: This project was withdrawn by the applicant.

Project Reports and Other Informational Materials:

Title: [Lake Vermilion Watershed Plan Implementation](#)

Purpose: This project will implement shoreline (685 LF), streambank (900 LF), and gully stabilization best management practices (BMP) recommended in the Lake Vermilion Watershed-based Plan. The BMPs are in critical areas and minimize nutrient, sediment, and bacteria loads. Project partners include the City of Danville, Aqua America, and two private landowners.

NPS Program: Hydrologic Modification

Project Location: Vermilion County

Waterbody Name (ID): Lake Vermilion (IL_RBD).

Subgrantee: Vermilion County Soil and Water Conservation District
1905 A U.S. Route 150
Danville, Illinois 61832

Project Period: TBD through TBD

Total Project Cost:	\$299,690.00	Cumulative Expenditure:	\$19,288.87
Federal:	\$178,502.00	Federal:	\$11,564.21
State and Local:	\$121,188.00	State and Local:	\$ 7,724.66

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	8/30/25	Ongoing	
BMP Documentation Form P1 and Design	12/15/23	Ongoing	
O&M Plan	12/15/23	Ongoing	
Sign Design	12/15/23	Yes	
Landowner Agreement	12/15/23	Ongoing	
Complete BMP Implementation	05/30/25	No	
BMP Invoice/Photo Documentation	07/15/25	No	
Draft Project Report	05/30/25	No	
Final Project Report	07/31/25	No	

Comments:

Project Reports and Other Informational Materials:

Title: [Long Lake Shoreline Stabilization](#)

Purpose: This project stabilized 1,400 LF of lake shore on Long Lake in Lake County, Illinois owned by the Lake County Forest Preserve District addressing goals within the Squaw Creek Watershed plan. The site includes both highly eroded shoreline/bluff and moderately eroded shoreline. Specific shoreline BMP techniques included:

- Softening the banks via excavation/grading to a 2:1 maximum slope;
- Installation of filter fabric, bedding stone, and class A4 and A5 rip rap;
- Restoration of disturbed area with erosion control blanket and native wet and mesic seed mixes.

NPS Program: Hydrologic Modification

Project Location: Lake County

Waterbody Name (ID): Long Lake (IL_RTJ).

Subgrantee: Lake County Forest Preserve District
1899 W. Winchester Road
Libertyville, Illinois 60048

Project Period: June 26, 2023 through July 15, 2025

Total Project Cost:	\$373,465.00	Cumulative Expenditure:	\$309,250.59
Federal:	\$180,000.00	Federal:	\$148,440.28
State and Local:	\$193,465.00	State and Local:	\$160,810.31

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	4/30/25	Yes	
BMP Documentation Form P1 and Design	10/1/23	Yes	
O&M Plan	10/1/23	Yes	
Sign Design	10/1/23	Yes	
Landowner Agreement	10/1/23	Yes	
Complete BMP Implementation	10/31/24	Yes	
BMP Invoice/Photo Documentation	12/15/24	Yes	
Draft Project Report	10/31/25	Yes	
Final Project Report	01/15/25	Yes	

Comments: This project is complete

Project Reports and Other Informational Materials:
"Long Lake Shoreline Stabilization"

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction			
			Sediment (tons/year)	Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
580	Streambank and Shoreline Protection	1,376 ft.	109	109	-	216



22-18 (319) JE

FEDERAL FISCAL YEAR 2023 (NPS PROGRAM FUNDS) - 99520023

Title: Total Maximum Daily Load Development

Purpose: Illinois EPA will work with selected vendors/consultants to develop TMDLs to address impairments listed on Illinois' 303(d) List of Impaired Waters. TMDLs will be selected using the protocol outlined in the Agency's Integrated Report; Appendix A-5 - Long-Term Vision for Assessment, Restoration, and Protection Under the CWA Section 303(d) Program (AKA The Vision). The TMDL development will include a stakeholder participation component and the implementation plan will meet U.S. EPA's nine minimum elements for a watershed-based plan. In addition, Illinois EPA will pilot a hybrid TMDL/WBP effort on at least one 12-digit HUC watershed with existing water quality impairments, where there is an older TMDL that was not required to meet the 9-element plan requirement. The pilot project will work with a local unit of government to engage the local watershed community to actively participate in an abridged version of development of an implementation plan. The process will use the existing TMDL calculations and watershed characterization as a springboard for the local group to develop the watershed implementation plan on a shorter schedule to allow the participants to take ownership of the plan and focus more efforts on the implementation of the TMDL.

NPS Program: Monitoring/Evaluation

Project Location: Statewide

Waterbody Name (ID): Multiple

Subgrantee: TBD

Project Period: TBD through TBD

Total Project Cost:	\$450,000.00	Cumulative Expenditure:	\$
Federal:	\$0.00	Federal:	\$
State and Local:	\$450,000.00	State and Local:	\$

Project Milestone	Completion Date	Completed Yes/No	Comments
TBD	TBD	No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

23-0 (319) AH

Title: [Lake Decatur Water Quality Initiative Phase 3](#)

Purpose: This project will implement best management practices (BMPs) in the Lake Decatur-Sangamon River watershed (HUC 0713000604) to reduce nonpoint source pollution to protect water quality. BMPs will include shoreline and stream channel stabilization and wetland restoration/enhancement. This includes using breakwater techniques for shoreline stabilization, riffles for stream channel stabilization, and wetland restoration on three sites, with one site having tile flow and surface runoff re-directed into an existing basin/cell system. Phase 3 of the Lake Decatur Water Quality Initiative will implement projects addressing nonpoint source water quality impairments in subwatersheds identified in the Illinois EPA-approved 2021 Lake Decatur Bluffs Watershed-based Plan. This project will also develop a watershed-based plan for the 29,733 acre Big/Long Creek watershed which is made up of HUCs 071300060409 and the eastern half of 071300060406. This plan is designed to improve water quality by controlling nonpoint source pollution and will be consistent with the USEPA watershed-based plan guidance.

NPS Program: Agriculture; Hydrological Modifications/Wetlands

Project Location: Macon County

Waterbody Name (ID): Sangamon River (IL_E-95) and Lake Decatur (IL_REA).

Subgrantee: City of Decatur
1 Gary K. Anderson Plaza
Decatur, Illinois 62523-1005

Project Period: TBD through TBD

Total Project Cost:	\$602,775.01	Cumulative Expenditure:	\$
Federal:	\$349,665.01	Federal:	\$
State and Local:	\$253,110.00	State and Local:	\$

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	TBD	Ongoing	
BMP Documentation Form P1 and Design	TBD	No	
O&M Plan	TBD	No	
Sign Design	TBD	No	
Landowner Agreement	TBD	No	
Final Day to Start BMP Implementation	TBD	No	
Complete BMP Implementation	TBD	No	
BMP Invoice/Photo Documentation	TBD	No	
Draft WBP Strategy	TBD	No	
Final WBP Strategy	TBD	No	
Implement WBP Strategy	TBD	No	
Draft Project Report	TBD	No	
Final Project Report	TBD	No	

Comments:

Project Reports and Other Informational Materials:

23-01 (319) RA

Title: [Crystal Creek Daylighting Project](#)

Purpose: This project will daylight Crystal Creek (AKA Crystal Creek Outlet (IL_DTZR-01)) through the Lundahl Middle School property by removing a 30-inch diameter storm sewer and restoring approximately 1,500 linear feet of the creek. This project is located in the Crystal Creek watershed (HUC 071200061201) and will reduce nonpoint source pollution to protect water quality. The following BMPs techniques will be installed to protect the new stream channel and banks, including meanders, riffles, stone toe protection, and native vegetative cover. The project will include 2 informational signs.

NPS Program: Hydrological Modifications/Wetlands; Urban Runoff/Stormwater

Project Location: McHenry County

Waterbody Name (ID): Crystal Creek (IL_DTZR-01)

Subgrantee: City of Crystal Lake
Department of Public Works
100 W. Woodstock St.
Crystal Lake, IL 60014

Project Period: TBD through TBD

Total Project Cost:	\$798,575.00	Cumulative Expenditure:	\$
Federal:	\$479,145.00	Federal:	\$
State and Local:	\$319,430.00	State and Local:	\$

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	TBD	Ongoing	
BMP Documentation Form P1 and Design	TBD	No	
O&M Plan	TBD	No	
Sign Design	TBD	No	
Landowner Agreement	TBD	No	
Final Day to Start BMP Implementation	TBD	No	
Complete BMP Implementation	TBD	No	
BMP Invoice/Photo Documentation	TBD	No	
Draft Sign Design	TBD	No	
Sign Installation	TBD	No	
Draft Project Report	TBD	No	
Final Project Report	TBD	No	

Comments:

Project Reports and Other Informational Materials:

Title: [Crystal Creek Reach 7 Restoration Project](#)

Purpose: This project will design, permit, and construct a stream restoration project along Reach 7 of Crystal Creek located within Crystal Creek Watershed in southeastern McHenry County. This project will implement best management practices (BMPs) in the Crystal Creek Watershed (HUC 0712000612) to reduce nonpoint source pollution to protect water quality. BMPs will include streambank and stream channel stabilization. This includes site preparation and the removal of existing concrete debris from channel, installing cross vane riffles, reshaping and grading streambanks, stone toe protection, and seeding and planting the riparian area with native prairie vegetation and a variety of native trees. The project also includes 2 informational signs.

NPS Program: Hydrological Modifications/Wetlands; Other; Urban Runoff/Stormwater

Project Location: McHenry County

Waterbody Name (ID): Crystal Creek (IL_DTZR-01)

Subgrantee: Lake in the Hills Sanitary District
515 Plum Street
Lake in the Hills, IL 60156

Project Period: TBD through TBD

Total Project Cost:	\$479,978.00	Cumulative Expenditure:	\$
Federal:	\$287,986.80	Federal:	\$
State and Local:	\$191,991.20	State and Local:	\$

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	TBD	Ongoing	
BMP Documentation Form P1 and Design	TBD	No	
O&M Plan	TBD	No	
Sign Design	TBD	No	
Landowner Agreement	TBD	No	
Final Day to Start BMP Implementation	TBD	No	
Complete BMP Implementation	TBD	No	
BMP Invoice/Photo Documentation	TBD	No	
Draft Sign Design	TBD	No	
Sign Installation	TBD	No	
Draft Project Report	TBD	No	
Final Project Report	TBD	No	

Comments:

Project Reports and Other Informational Materials:

23-08 (319) KC

Title: [Armitage Creek Restoration Reaches 13 and 14](#)

Purpose: This project will implement best management practices (BMPs) on two reaches of Armitage Creek in the headwaters of the East Branch Du Page River watershed (HUC 071200040803). Reach 13 improvements consist of restoration of 410 linear feet of stream channel, including its streambanks and surrounding buffer area. Reach 14 improvements consist of 1,100 linear feet of stream channel stabilization including its surrounding streambanks and buffer area. BMPs will include site preparations on the side slope and surrounding riparian area and repair of existing streambank A-Jacks, and establishment of native permanent vegetative cover.

NPS Program: Urban Runoff/Stormwater

Project Location: DuPage County

Waterbody Name (ID): Armitage Creek (IL_GBLG)

Subgrantee: Village of Glendale Heights
Public Works
300 Civic Center Plaza
Glendale Heights, IL 60139

Project Period: TBD through TBD

Total Project Cost:	\$1,032,306.25	Cumulative Expenditure:	\$
Federal:	\$ 619,383.75	Federal:	\$
State and Local:	\$ 412,922.50	State and Local:	\$

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	TBD	Ongoing	
BMP Documentation Form P1 and Design	TBD	No	
O&M Plan	TBD	No	
Sign Design	TBD	No	
Landowner Agreement	TBD	No	
Final Day to Start BMP Implementation	TBD	No	
Complete BMP Implementation	TBD	No	
BMP Invoice/Photo Documentation	TBD	No	
Draft Outreach Strategy	TBD	No	
Final Outreach Strategy	TBD	No	
Complete Outreach Strategy	TBD	No	
Draft Project Report	TBD	No	
Final Project Report	TBD	No	

Comments:

Project Reports and Other Informational Materials:

Title: [Wheeling Drainage Ditch Streambank Stabilization](#)

Purpose: This project will implement best management practices (BMPs) on Wheeling Drainage Ditch (IL_GS_01) in the Buffalo Creek/Wheeling Drainage Ditch Watershed (HUC 071200040502). Streambank stabilization BMP techniques will include floodplain benching, riffles, rock toe, gabion baskets, and permanent vegetative cover. This project is located on the primary reach of the Buffalo Creek/Wheeling Drainage Ditch Watershed, a 17,152-acre watershed that is tributary to the Des Plaines River. The purpose of this project is to use biotechnical strategies to stabilize 4,800 linear feet of streambank along Wheeling Drainage Ditch between Northgate Parkway and Dundee Road, on both banks.

NPS Program: Urban Runoff/Stormwater; Hydrologic Modification

Project Location: County

Waterbody Name (ID): Wheeling Drainage Ditch (IL_GS_01)

Subgrantee: Village of Wheeling
380 Shepard Dr
Elgin, IL 60123

Project Period: TBD through TBD

Total Project Cost:	\$2,728,100.00	Cumulative Expenditure:	\$
Federal:	\$1,636,860.00	Federal:	\$
State and Local:	\$1,091,240.00	State and Local:	\$

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	TBD	Ongoing	
BMP Documentation Form P1 and Design	TBD	No	
O&M Plan	TBD	No	
Sign Design	TBD	No	
Landowner Agreement	TBD	No	
Final Day to Start BMP Implementation	TBD	No	
Complete BMP Implementation	TBD	No	
BMP Invoice/Photo Documentation	TBD	No	
Draft Project Report	TBD	No	
Final Project Report	TBD	No	

Comments:

Project Reports and Other Informational Materials:

Title: [Butterfield Creek-Dartmouth Road Streambank Restoration](#)

Purpose: This project will implement best management practices (BMPs) in the Butterfield Creek watershed (HUC 071200030202). BMPs will include streambank stabilization, j-hooks, and a rain garden. The project will include site preparation, re-grading the banks and installing riprap, j-hooks, and permanent native vegetation. The project location covers a 180-degree bend of Butterfield Creek. The outer bend will be regraded to a 2:1 slope and lined with riprap to stabilize the bank. Three j-hooks will be added to further protect the outside bank as well as increase the dissolved oxygen content of the stream. A rain garden will be constructed above the bank on the inside curve. Permanent native vegetation will be installed on the inside bend of the creek to add a stream buffer and further stabilize the bank.

NPS Program: Hydrological Modifications/Wetlands; Urban Runoff/Stormwater

Project Location: County

Waterbody Name (ID):

Subgrantee: Village of Flossmoor
Public Works Department
1700 Central Park Ave
Flossmoor, IL 60422

Project Period: TBD through TBD

Total Project Cost:	\$186,000.00	Cumulative Expenditure:	\$
Federal:	\$111,600.00	Federal:	\$
State and Local:	\$ 74,000.00	State and Local:	\$

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	TBD	Ongoing	
BMP Documentation Form P1 and Design	TBD	No	
O&M Plan	TBD	No	
Sign Design	TBD	No	
Landowner Agreement	TBD	No	
Final Day to Start BMP Implementation	TBD	No	
Complete BMP Implementation	TBD	No	
BMP Invoice/Photo Documentation	TBD	No	
Draft Project Report	TBD	No	
Final Project Report	TBD	No	

Comments:

Project Reports and Other Informational Materials:

Title: [Winchester Bay Stream Reach 1 Restoration Project](#)

Purpose: This project will implement best management practices (BMPs) in the Apple Canyon Lake watershed (HUC 070600050601) to reduce nonpoint source pollution to protect water quality. The project will include creation of stream meanders. Work will include site preparation along the riparian corridor and streambank, and installation of streambank treatments including bank shaping, stone toe protection, cross-vane riffles, enhancement of 10 existing natural riffles, rock stabilization at 1 culvert outlet, restoration and/or enhancement of riparian acres to mesic prairie and wet prairie and planting of 19 native trees. The project will also include 2 informational signs.

NPS Program: Agriculture, Hydrologic Modification, and Urban Runoff; Other

Project Location: County

Waterbody Name (ID): Hells Branch (IL_MNEAE) and Apple Canyon Lake (IL_RMJ)

Subgrantee: Apple Canyon Lake Property Owners Association
14A157 Canyon Club Drive
Apple River, IL 61001-9576

Project Period: TBD through TBD

Total Project Cost:	\$557,732.00	Cumulative Expenditure:	\$
Federal:	\$334,639.20	Federal:	\$
State and Local:	\$223,092.80	State and Local:	\$

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	TBD	Ongoing	
BMP Documentation Form P1 and Design	TBD	No	
O&M Plan	TBD	No	
Sign Design	TBD	No	
Landowner Agreement	TBD	No	
Final Day to Start BMP Implementation	TBD	No	
Complete BMP Implementation	TBD	No	
BMP Invoice/Photo Documentation	TBD	No	
Draft Sign Design	TBD	No	
Sign Installation	TBD	No	
Draft Project Report	TBD	No	
Final Project Report	TBD	No	

Comments:

Project Reports and Other Informational Materials:

Title: [Klein Creek Streambank Stabilization - Section II](#)

Purpose: This project will implement best management practices (BMPs) on Klein Creek (IL_GBKC-01) in the Klein Creek watershed (071200040802). The project uses a mix of bioengineered natural and hard-armoring methods to stabilize the stream banks and channel and restore/create adjacent wetland areas. BMP activities include gravity block retaining walls, creation of a meandering, low-flow channel with an adjacent wetland shelf and gravel bars. In addition, 3 acres of the Armstrong Park North Basin will be converted from turf grass to a sedge meadow.

NPS Program: Hydrological Modifications/Wetlands; Urban Runoff/Stormwater

Project Location: County

Waterbody Name (ID): Klein Creek (IL_GBKC-01)

Subgrantee: Village of Carol Stream
Engineering Services
500 N Gary Ave
Carol Stream, IL 60188

Project Period: TBD through TBD

Total Project Cost:	\$2,759,559.25	Cumulative Expenditure:	\$
Federal:	\$1,000,000.00	Federal:	\$
State and Local:	\$1,759,559.25	State and Local:	\$

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	TBD	Ongoing	
BMP Documentation Form P1 and Design	TBD	No	
O&M Plan	TBD	No	
Sign Design	TBD	No	
Landowner Agreement	TBD	No	
Final Day to Start BMP Implementation	TBD	No	
Complete BMP Implementation	TBD	No	
BMP Invoice/Photo Documentation	TBD	No	
Draft Outreach Strategy	TBD	No	
Final Outreach Strategy	TBD	No	
Complete Outreach Strategy	TBD	No	
Draft Project Report	TBD	No	
Final Project Report	TBD	No	

Comments:

Project Reports and Other Informational Materials:

23-06 (319) KC

Title: [Lockport Milne Creek Streambank Stabilization](#)

Purpose: This project will implement best management practices (BMPs) on Milne Creek (IL_GHB) in the Maple Lake-Chicago Sanitary and Ship Canal watershed (071200040703). The project will stabilize both sides of approximately 410 linear feet of streambank with a combination of riprap, geofabric, regrading, gabion baskets, creek alignment (meander), rock aprons, and permanent vegetative cover. The main goal of this project is to improve water quality by stabilizing the streambanks. A biodegradable erosion control fabric will be placed on all disturbed areas and those areas will be re-vegetated.

NPS Program: Hydrological Modifications/Wetlands; Urban Runoff/Stormwater

Project Location: Will County

Waterbody Name (ID): Milne Creek (IL_GHB)

Subgrantee: City of Lockport
1463 S Farrell Rd
Lockport, IL 60441

Project Period: TBD through TBD

Total Project Cost:	\$488,000.00	Cumulative Expenditure:	\$
Federal:	\$292,800.00	Federal:	\$
State and Local:	\$195,200.00	State and Local:	\$

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	TBD	Ongoing	
BMP Documentation Form P1 and Design	TBD	No	
O&M Plan	TBD	No	
Sign Design	TBD	No	
Landowner Agreement	TBD	No	
Final Day to Start BMP Implementation	TBD	No	
Complete BMP Implementation	TBD	No	
BMP Invoice/Photo Documentation	TBD	No	
Draft Project Report	TBD	No	
Final Project Report	TBD	No	

Comments:

Project Reports and Other Informational Materials:

23-07 (319) AE

Title: [Wood River 319 Implementation](#)

Purpose: This project will implement Best Management Practices (BMPs) and outreach activities in the Wood River Watershed (HUC 0714020404) as recommended in the Wood River Watershed Plan (2020). The purpose is to reduce the amount of sediment, phosphorus, and nitrogen reaching Wood River and its tributaries. BMPs include: grassed waterways, water and sediment control basins (WASCoBs), stream channel and streambank stabilization, shoreline stabilization, and ponds. The project includes marketing to landowners, landowner sign up program, site selection, project design, landowner agreement preparation and execution, Operations and Maintenance (O&M) Plan development, and a process for contracting and construction. The project also includes a BMP workshop, a BMP Tour, an agricultural BMP workshop and web and social media outreach.

NPS Program: Agriculture; Hydrological Modifications/Wetlands; Urban Runoff/Stormwater

Project Location: County

Waterbody Name (ID): Honeycut Branch-West Fork Wood River (071100090302), Girder Branch-East Fork Wood River (071100090301), West Fork Wood River (071100090303), and East Branch Wood River-Wood River (071100090304)

Subgrantee: HeartLands Conservancy
29 E. Main Street
Bellville, IL 62220

Project Period: TBD through TBD

Total Project Cost:	\$770,319.26	Cumulative Expenditure:	\$
Federal:	\$454,518.15	Federal:	\$
State and Local:	\$315,801.11	State and Local:	\$

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	TBD	Ongoing	
Draft BMP Strategy	TBD	No	
Final BMP Strategy	TBD	No	
Final Day to Start BMP Implementation	TBD	No	
Complete Implementation of BMP Strategy	TBD	No	
Draft Outreach Strategy	TBD	No	
Final Outreach Strategy	TBD	No	
Complete Outreach Strategy	TBD	No	
Draft Project Report	TBD	No	
Final Project Report	TBD	No	

Comments:

Project Reports and Other Informational Materials:

Title: [Lake Springfield Watershed Management Plan BMP Implementation - Phase 4](#)

Purpose: The purpose of this project is to continue the implementation of Best Management Practices (BMPs) as recommended in the 2017 Illinois EPA-approved Lake Springfield Watershed-Based Management Plan (LSWMP) to manage nonpoint source pollution and improve water quality in Lake Springfield and its watershed. BMPs such as cover crops and variable rate technology to implement nutrient management plans, as well as outreach and information activities will also be implemented. Planned structural practices include shoreline stabilization along Lake Springfield to reduce sediment loading and agricultural structural practices such as grassed waterways, grade stabilization structures, and WASCObS (among others) to reduce sediment transport and nutrient loading to receiving streams and ultimately to Lake Springfield.

NPS Program: Agriculture; Hydrologic Modification

Project Location: Sangamon County

Waterbody Name (ID): Lake Springfield (IL_REF)

Subgrantee: Sangamon County Soil & Water Conservation District
2623 Sunrise Drive, Suite 1
Springfield, IL 62703-7302

Project Period: TBD through TBD

Total Project Cost:	\$695,982.28	Cumulative Expenditure:	\$
Federal:	\$417,589.36	Federal:	\$
State and Local:	\$278,392.92	State and Local:	\$

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	TBD	Ongoing	
BMP Documentation Form P1 and Design	TBD	No	
O&M Plan	TBD	No	
Sign Design	TBD	No	
Landowner Agreement	TBD	No	
Complete BMP Implementation	TBD	No	
BMP Invoice/Photo Documentation	TBD	No	
Draft Outreach Strategy	TBD	No	
Final Outreach Strategy	TBD	No	
Complete Outreach Strategy	TBD	No	
Draft Project Report	TBD	No	
Final Project Report	TBD	No	

Comments:

Project Reports and Other Informational Materials:

Title: [Madigan Creek Restoration Project - Phase I](#)

Purpose: This project will implement best management practices (BMPs) on Madigan Creek in the Kishwaukee River (IL_PQ-02) watershed (070900060802) to reduce nonpoint source pollution to protect water quality. BMPs will include bank grading, bioengineering practices, and hard-scape measures including rip rap, rock dams, riffles, cross-vanes, and stone toes, and permanent vegetative cover. This section of Madigan Creek was identified within the Madigan Creek Watershed Improvement Plan as a critical reach having significant hydromodification, channelization, and streambank erosion. This project will implement a variety of BMPs to reduce erosion and degradation of this section of the creek. This will stabilize the streambanks, offering protection against erosion caused by high velocities of flow while also giving a water quality and fish habitat benefit.

NPS Program: Agriculture, Hydrologic Modification, and Urban Runoff

Project Location: Winnebago County

Waterbody Name (ID): Madigan Creek and the Kishwaukee River (IL_PQ-02)

Subgrantee: County of Winnebago
Winnebago County Highway Department
424 North Springfield Avenue
Rockford, IL 61101-5097

Project Period: TBD through TBD

Total Project Cost:	\$1,965,000.00	Cumulative Expenditure:	\$
Federal:	\$1,179,000.00	Federal:	\$
State and Local:	\$ 786,000.00	State and Local:	\$

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	TBD	Ongoing	
BMP Documentation Form P1 and Design	TBD	No	
O&M Plan	TBD	No	
Sign Design	TBD	No	
Landowner Agreement	TBD	No	
Complete BMP Implementation	TBD	No	
BMP Invoice/Photo Documentation	TBD	No	
Draft Project Report	TBD	No	
Final Project Report	TBD	No	

Comments:

Project Reports and Other Informational Materials: