State of Illinois

Environmental Protection Agency

Nonpoint Source Pollution Control Program
Section 319 Biannual Report

FAA 3191716 – The Triangle Park Restoration Project stabilized eroding streambanks along an unnamed tributary of Prentiss Creek within Triangle Park in Woodridge, Illinois.

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

September 2020

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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 nonpoint source management programs. Funding under these nonpoint source 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 nonpoint source pollution.

2. Assessment of Nonpoint Source Pollution

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 nonpoint source pollution. The Assessment was published in August of 1988. Update of the Assessment is achieved through the latest 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 the 2016 cycle Integrated Report, a total of 18,056 (15.0%) of the 119,244 stream miles in Illinois were assessed for use support and 10,948 miles (60.6%) of those assessed streams have been identified as being impacted by point or nonpoint sources.

Table 2.1. Point and Nonpoint Source Summary for Streams.

	Use Impairments						No Use Impairments		Total Assessed		Waters Needing Additional NPS Corrective Action	
	NPS Only[1]		NPS & Point		Point Source Only							
	Of Assessed		Of Assessed		Of Assessed		Of Assessed				Of Assessed	
Year	Miles	%	Miles	%	Miles	%	Miles	%	Miles	%	Miles	%
1992	4,657	33.3	3,034	21.7	79	0.6	6,211	44.4	13,981	100	7,691	55.0
1994	4,729	33.4	2,464	17.4	64	0.5	6,893	48.7	14,150	100	7,193	50.8
1996	12,811	36.4	3,203	9.1	3,024	8.6	16,137	45.9	35,175	100	16,014	45.5
1998	9,561	33.6	2,882	10.1	115	0.4	15,890	55.9	28,448	100	12,443	43.7
2000	3,604	23.6	1,742	11.4	97	0.6	9,861	64.4	15,304	100	5,346	35.0
2002	3,325	20.9	1,798	11.3	116	0.7	10,694	67.1	15,933	100	5,123	32.2
2004	3,471	23.0	1,429	9.5	170	1.1	6,499	43.1	11,569	**76.7	4,900	32.5
2006	6,856	44.5	1,529	9.9	93	0.6	6,946	45.0	15,424	100	8,385	54.4
*2008	7,367	47.3	1,446	9.3	84	0.5	6,672	42.9	15,569	100	8,813	56.6
*2010	7,811	45.9	1,398	8.2	101	0.6	7,701	45.3	17,010	100	9,209	54.1
*2012	8,673	49.6	1,384	7.9	78	0.4	7,419	42.4	17,476	100	10,057	57.5
*2014	9,271	52.3	1,370	7.7	73	0.4	7,002	39.5	17,717	100	10,641	60.1
*2016	9,549	59.9	1,315	7.3	84	0.4	7,108	39.4	18,056	100	10,948	60.6

* Not yet fully approved by USEPA. ** Some 2004 sources were not classified as either point or NPS.
1. Includes impaired waters where no source was identified or source is listed as unknown.

Therefore, 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 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."

For the 2016 cycle Integrated Report, important nonpoint sources of impairment include 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 nonpoint source related causes of streams not attaining full support ratings.

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

	2006		2008		2010		2012		2014		2016	
Potential Cause of Impairment	**Miles**	**%**	**Miles**	**%**	**Miles**	**%**	**Miles**	**%**	**Miles**	**%**	**Miles**	**%**
Oxygen, Dissolved	3,005	19.5	3,079	19.8	3,204	18.8	3,401	19.5	3,825	21.6	4,713	26.1
Fecal Coliform	3,318	21.5	3,175	20.4	3,265	19.2	3,620	20.7	3,640	20.5	3,739	20.7
Mercury	1,045	6.8	2,941	18.9	3,066	18.0	3,223	18.4	3,265	18.4	3,277	18.1
Polychlorinated biphenyls	2,658	17.2	2,821	18.1	2,817	16.6	2,947	16.9	2,988	16.9	3,037	16.8
Alteration in stream-side or littoral vegetative covers	2,179	14.1	2,261	14.5	2,181	12.8	2,348	13.4	2,557	14.4	2,808	15.6
Phosphorus (Total)	2,094	13.6	2,092	13.4	2,077	12.2	2,018	11.5	2,031	11.5	2,097	11.6
Sedimentation/Siltation	2,209	14.3	2,259	14.5	1,911	11.2	1,896	10.8	1,853	10.5	1,809	10.0
Loss of Instream Cover	-	-	274	1.8	704	4.1	1,331	7.6	1,595	9.0	1,712	9.5
Total Suspended Solids (TSS)	1,608	10.4	1,580	10.1	1,234	7.3	1,110	6.4	1,110	6.3	1,004	5.6
Changes in Stream Depth and Velocity Patterns	-	-	351	2.3	658	3.9	867	5.0	944	5.3	912	5.1
Other flow regime alterations	703	4.6	745	4.8	726	4.3	707	4.0	720	4.1	797	4.4
Manganese	1,860	12.1	1,885	12.1	2,013	11.8	1,992	11.4	1,208	6.8	765	4.2
Cause Unknown	-	-	1,325	8.5	1,460	8.6	625	3.6	727	4.1	734	4.1
Iron	232	1.5	240	1.5	248	1.5	307	1.8	344	1.9	657	3.6
pH	947	6.1	892	5.7	585	3.4	438	2.5	493	2.8	508	2.8
Chloride	230	1.5	318	2.0	444	2.6	422	2.4	422	2.4	506	2.8
Aquatic Algae	370	2.4	419	2.7	424	2.5	363	2.1	383	2.2	467	2.6
Bottom Deposits	-	-	-	-	-	-	157	0.9	225	1.3	307	1.7
Atrazine	231	1.5	287	1.8	280	1.6	338	1.9	312	1.8	214	1.2
Temperature, water	-	-	3	0.0	47	0.3	99	0.6	113	0.6	186	1.0
Fish-Passage Barrier	78	0.5	83	0.5	139	0.8	152	0.9	161	0.9	167	0.9
Aldrin	111	0.7	101	0.6	153	0.9	153	0.9	153	0.9	162	0.9
Hexachlorobenzene	175	1.1	187	1.2	148	0.9	149	0.9	149	0.8	156	0.9
Aquatic Plants (Macrophytes)	52	0.3	139	0.9	174	1.0	108	0.6	139	0.8	142	0.8
Arsenic	10	0.1	10	0.1	138	0.8	134	0.8	134	0.8	136	0.8
Dioxin (including 2,3,7,8-TCDD)	130	0.8	130	0.8	131	0.8	131	0.7	131	0.7	131	0.7
Methoxychlor	93	0.6	93	0.6	137	0.8	132	0.8	132	0.7	129	0.7
Chlordane	90	0.6	90	0.6	98	0.6	99	0.6	99	0.6	99	0.5
DDT	192	1.2	187	1.2	93	0.5	93	0.5	93	0.5	98	0.5
Odor	-	-	-	-	-	-	87	0.5	87	0.5	98	0.5
Nickel	63	0.4	45	0.3	51	0.3	52	0.3	48	0.3	78	0.4
Sulfates	568	3.7	445	2.9	159	0.9	131	0.7	131	0.7	70	0.4
Copper	62	0.4	34	0.2	73	0.4	75	0.4	59	0.3	64	0.4
Nitrogen, Nitrate	83	0.5	83	0.5	85	0.5	86	0.5	76	0.4	59	0.3
Nitrogen (Total)	1756	11.4	-	-	-	-	-	-	-	-	-	-
Endrin	33	0.2	33	0.2	65	0.4	66	0.4	66	0.4	58	0.3
Total Dissolved Solids	843	5.5	-	-	143	0.8	35	0.2	92	0.5	56	0.3
Zinc	131	0.8	79	0.5	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	315	2.0	153	1.0	52	0.3	36	0.2	29	0.2	46	0.3
Ammonia (Total)	95	0.6	41	0.3	47	0.3	45	0.3	45	0.3	45	0.2
Boron	64	0.4	46	0.3	36	0.2	45	0.3	45	0.3	45	0.2
Barium	35	0.2	35	0.2	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	106	0.7	114	0.7	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	25	0.2	25	0.2	9	0.1	25	0.1	25	0.1	31	0.2
Phenols	-	-	59	0.4	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	31	0.2	31	0.2	32	0.2	36	0.2	13	0.1	24	0.1
Simazine	-	-	-	-	-	-	-	-	23	0.1	23	0.1
Terbufos	-	-	-	-	125	0.7	126	0.7	126	0.7	22	0.1
Lindane	21	0.1	21	0.1	22	0.1	22	0.1	22	0.1	21	0.1
Dieldrin	29	0.2	20	0.1	20	0.1	20	0.1	20	0.1	17	0.1
Chromium (total)	10	0.1	10	0.1	14	0.1	14	0.1	14	0.1	17	0.1
Fluoride	25	0.2	30	0.2	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	14	0.1	14	0.1
Heptachlor	29	0.2	29	0.2	13	0.1	13	0.1	13	0.1	13	0.1
Debris/Floatables/Trash	-	-	-	-	-	-	-	-	-	-	11	0.1
Lead	3	0.0	3	0.0	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	6	0.0	6	0.0	8	0.0
Ammonia (Un-ionized)	9	0.1	9	0.1	8	0.0	9	0.1	3	0.0	6	0.0
Ethanol	-	-	-	-	-	-	83	0.5	83	0.5	6	0.0
Fish Kills	176	1.1	-	-	4	0.0	84	0.5	84	0.5	4	0.0
Total Assessed	15,424		15,569		17,010		17,476		17,717		18,056	

Table 2.3. Summary of Sources of All Use Impairments in Streams.

	2006		2008		2010		2012		2014		2016	
Potential Source of Impairment	**Miles**	**%**	**Miles**	**%**	**Miles**	**%**	**Miles**	**%**	**Miles**	**%**	**Miles**	**%**
Atmospheric Deposition - Toxics	-	-	2,908	18.7	3,047	17.9	3,050	17.5	3,050	17.2	3,058	16.9
Crop Production (Crop Land or Dry Land)	3,040	19.7	2,626	16.9	2,396	14.1	2,576	14.7	2,718	15.3	3,024	16.7
Channelization	1,821	11.8	1,998	12.8	2,321	13.6	2,471	14.1	2,616	14.8	2,755	15.3
Agriculture	149	1.0	417	2.7	1,081	6.4	1,395	8.0	1,694	9.6	2,442	13.5
Loss of Riparian Habitat	419	2.7	367	2.4	756	4.4	1,245	7.1	1,419	8.0	1,762	9.8
Municipal Point Source Discharges	1,519	9.8	1,437	9.2	1,421	8.4	1,374	7.9	1,304	7.4	1,273	7.1
Urban Runoff/Storm Sewers	1,145	7.4	1,176	7.6	1,218	7.2	1,207	6.9	1,262	7.1	1,237	6.9
Natural Sources	471	3.1	460	3.0	455	2.7	738	4.2	681	3.8	658	3.6
Animal Feeding Operations (NPS)	690	4.5	634	4.1	657	3.9	652	3.7	666	3.8	644	3.6
Streambank Modifications/destabilization	755	4.9	652	4.2	547	3.2	606	3.5	647	3.7	644	3.6
Impacts from Hydrostructure Flow Regulation/modification	740	4.8	675	4.3	483	2.8	531	3.0	542	3.1	561	3.1
Dam or Impoundment	219	1.4	247	1.6	465	2.7	515	2.9	500	2.8	492	2.7
Contaminated Sediments	416	2.7	388	2.5	422	2.5	445	2.5	445	2.5	461	2.6
Surface Mining	775	5.0	684	4.4	395	2.3	433	2.5	433	2.4	345	1.9
Livestock (Grazing or Feeding Operations)	238	1.5	205	1.3	252	1.5	290	1.7	285	1.6	318	1.8
Habitat Modification - other than Hydromodification	165	1.1	242	1.6	182	1.1	241	1.4	245	1.4	301	1.7
Combined Sewer Overflows	327	2.1	308	2.0	251	1.5	253	1.4	299	1.7	296	1.6
Site Clearance (Land Development or Redevelopment)	220	1.4	210	1.3	173	1.0	181	1.0	181	1.0	230	1.3
Acid Mine Drainage	87	0.6	79	0.5	84	0.5	117	0.7	117	0.7	215	1.2
Petroleum/natural Gas Activities	178	1.2	171	1.1	116	0.7	139	0.8	191	1.1	184	1.0
Impacts from Abandoned Mine Lands (Inactive)	242	1.6	173	1.1	172	1.0	136	0.8	164	0.9	183	1.0
Upstream Impoundments (e.g., PI-566 NRCS Structures)	180	1.2	180	1.2	134	0.8	146	0.8	146	0.8	155	0.9
Highway/Road/Bridge Runoff (Non-construction Related)	118	0.8	118	0.8	72	0.4	110	0.6	110	0.6	146	0.8
Irrigated Crop Production	24	0.2	29	0.2	50	0.3	86	0.5	86	0.5	125	0.7
Non-irrigated Crop Production	132	0.9	81	0.5	85	0.5	83	0.5	83	0.5	85	0.5
Drainage/Filling/Loss of Wetlands	8	0.1	11	0.1	29	0.2	45	0.3	45	0.3	63	0.3
Sediment Resuspension (Contaminated Sediment)	-	-	-	-	-	-	-	-	45	0.3	59	0.3
Mine Tailings	48	0.3	48	0.3	102	0.6	102	0.6	56	0.3	52	0.3
Industrial Point Source Discharge	191	1.2	128	0.8	77	0.5	56	0.3	41	0.2	46	0.3
Runoff from Forest/Grassland/Parkland	104	0.7	107	0.7	39	0.2	39	0.2	39	0.2	46	0.3
Coal Mining (Subsurface)	15	0.1	7	0.0	8	0.0	8	0.0	8	0.0	35	0.2
Sanitary Sewer Overflows (Collection System Failures)	65	0.4	65	0.4	14	0.1	32	0.2	32	0.2	35	0.2
Inappropriate Waste Disposal	-	-	-	-	-	-	-	-	-	-	31	0.2
Municipal (Urbanized High Density Area)	-	-	-	-	-	-	23	0.1	23	0.1	29	0.2
Golf Courses	16	0.1	20	0.1	7	0.0	24	0.1	24	0.1	24	0.1
Pesticide Application	-	-	-	-	22	0.1	22	0.1	22	0.1	22	0.1
Silviculture Harvesting	-	-	-	-	-	-	-	-	-	-	22	0.1
Dredging (E.g., for Navigation Channels)	4	0.0	4	0.0	19	0.1	20	0.1	20	0.1	20	0.1
Subsurface (Hardrock) Mining	-	-	-	-	-	-	13	0.1	13	0.1	13	0.1
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)	13	0.1	13	0.1	13	0.1	13	0.1	13	0.1	13	0.1
Other Recreational Pollution Sources	56	0.4	56	0.4	10	0.1	10	0.1	10	0.1	10	0.1
Dredge Mining	-	-	-	-	-	-	9	0.1	9	0.1	9	0.0
Industrial Land Treatment	4	0.0	4	0.0	4	0.0	4	0.0	4	0.0	7	0.0
Unpermitted Discharge (Domestic Wastes)	-	-	-	-	18	0.1	7	0.0	7	0.0	7	0.0
Highways, Roads, Bridges, Infrastructure (New Construction)	10	0.1	10	0.1	5	0.0	6	0.0	6	0.0	6	0.0
Landfills	-	-	-	-	-	-	4	0.0	4	0.0	4	0.0
Rcra Hazardous Waste Sites	-	-	-	-	-	-	-	-	-	-	4	0.0
Managed Pasture Grazing	-	-	3	0.0	3	0.0	3	0.0	3	0.0	3	0.0
Spills from Trucks or Trains	-	-	-	-	-	-	83	0.5	83	0.5	3	0.0
On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)	60	0.4	60	0.4	60	0.4	1	0.0	1	0.0	1	0.0
Total Assessed	15,424		15,569		17,010		17,476		17,717		18,056	

2.2 Lakes

For the 2016 cycle Integrated Report, a total of 151,435 (47.5%) of the 318,477 lake acres in Illinois were assessed for use support and 148,707 acres (98.2%) of those assessed lakes have been identified as being impacted by point or nonpoint sources.

Table 2.4. Point and Nonpoint Source Summary for Lakes.

	Use Impairments						No Use Impairments		Total Assessed		Waters Needing Additional NPS Corrective Action	
	NPS Only[1]		NPS & Point		Point Source Only							
	Of Assessed		Of Assessed		Of Assessed		Of Assessed				Of Assessed	
Year	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
1992	83,920	40.8	103,138	50.0	47	0.0	18,976	9.2	206,081	100	187,058	90.8
1994	67,670	36.0	62,052	33.1	0	0.0	57,877	30.9	187,599	100	129,722	69.1
1996	74,105	39.4	56,619	30.1	0	0.0	57,319	30.5	188,043	100	130,724	69.5
1998	78,537	41.8	63,358	33.6	0	0.0	46,393	24.6	188,288	100	141,895	75.4
2000	86,310	55.8	43,853	28.3	0	0.0	24,632	15.9	154,795	100	130,163	84.1
2002	95,585	63.5	44,059	29.2	0	0.0	11,063	7.3	150,707	100	139,644	92.7
2004	84,079	54.6	43,309	28.1	0	0.0	9,151	5.9	136,539	**88.6	127,388	82.7
2006	122,602	83.5	20,665	14.1	0	0.0	3,465	2.4	146,732	100	143,268	97.6
*2008	104,692	71.0	39,839	27.1	0	0.0	2,830	1.9	147,361	100	144,531	98.1
*2010	101,480	68.5	45,250	30.6	0	0.0	1,284	0.9	148,014	100	146,730	99.1
*2012	103,666	69.2	44,147	29.5	0	0.0	1,979	1.3	149,792	100	147,812	98.7
*2014	102,073	68.1	43,307	28.9	0	0.0	4,469	3.0	149,849	100	145,380	97.0
*2016	108,692	71.8	40,015	26.4	0	0.0	2,728	1.8	151,435	100	148,707	98.2

* Not yet fully approved by USEPA. ** Some 2004 sources were not classified as either point or NPS.
1. Includes impaired waters where no source was identified or source is listed as unknown.

Therefore, 148,707 acres (98.2%) of the assessed lakes in Illinois have 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."

For the 2016 cycle Integrated Report, important nonpoint sources of impairment include 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 nonpoint source related causes of lakes not attaining full support ratings.

Table 2.5. Summary of Causes of All Use Impairments in Lakes.

	2006		2008		2010		2012		2014		2016	
Potential Cause of Impairment	**Acres**	**%**	**Acres**	**%**	**Acres**	**%**	**Acres**	**%**	**Acres**	**%**	**Acres**	**%**
Phosphorus (Total)	108,707	74.1	109,078	74.0	105,580	71.3	107,150	71.5	107,648	71.8	132,003	87.2
Total Suspended Solids (TSS)	104,394	71.1	105,390	71.5	116,889	79.0	115,663	77.2	113,330	75.6	117,388	77.5
Mercury	7,476	5.1	71,589	48.6	77,514	52.4	78,132	52.2	78,337	52.3	78,337	51.7
Aquatic Algae	107,685	73.4	106,680	72.4	104,478	70.6	104,479	69.7	75,111	50.1	40,569	26.8
Polychlorinated biphenyls	21,812	14.9	25,817	17.5	25,817	17.4	25,836	17.2	25,859	17.3	25,859	17.1
Aquatic Plants (Macrophytes)	28,898	19.7	26,992	18.3	36,897	24.9	32,783	21.9	31,134	20.8	25,353	16.7
Oxygen, Dissolved	31,801	21.7	12,221	8.3	7,314	4.9	5,570	3.7	6,575	4.4	12,495	8.3
Cause Unknown	1,712	1.2	17,128	11.6	9,765	6.6	8,910	5.9	9,669	6.5	10,029	6.6
Chlordane	4,791	3.3	4,820	3.3	4,820	3.3	4,820	3.2	4,820	3.2	4,820	3.2
Sedimentation/Siltation	33,734	23.0	13,925	9.4	6,401	4.3	4,511	3.0	4,511	3.0	4,450	2.9
Silver	7,287	5.0	7,266	4.9	4,194	2.8	4,194	2.8	4,194	2.8	4,194	2.8
Aldrin	4,419	3.0	3,869	2.6	3,345	2.3	3,345	2.2	3,345	2.2	3,345	2.2
Nitrogen, Nitrate	4,508	3.1	4,585	3.1	807	0.5	172	0.1	-	-	3,072	2.0
Nitrogen (Total)	3,783	2.6	-	-	-	-	-	-	-	-	-	-
pH	5,117	3.5	5,117	3.5	3,233	2.2	2,017	1.3	2,017	1.3	2,946	1.9
Turbidity	-	-	172	0.1	4,568	3.1	4,660	3.1	4,695	3.1	1,531	1.0
Manganese	63,189	43.1	67,185	45.6	58,871	39.8	59,588	39.8	1,168	0.8	1,168	0.8
Terbufos	-	-	-	-	-	-	-	-	-	-	929	0.6
Fecal Coliform	722	0.5	722	0.5	722	0.5	722	0.5	722	0.5	722	0.5
Total Dissolved Solids	261	0.2	250	0.2	250	0.2	635	0.4	635	0.4	657	0.4
Nonnative Fish, Shellfish, or Zooplankton	8,044	5.5	6,259	4.2	634	0.4	634	0.4	634	0.4	634	0.4
Cadmium	524	0.4	524	0.4	524	0.4	524	0.3	524	0.3	524	0.3
Endrin	-	-	-	-	524	0.4	524	0.3	524	0.3	524	0.3
Zinc	2,631	1.8	2,631	1.8	524	0.4	524	0.3	524	0.3	524	0.3
Atrazine	25,776	17.6	26,977	18.3	3,755	2.5	3,192	2.1	4,272	2.9	497	0.3
Nickel	325	0.2	325	0.2	325	0.2	325	0.2	325	0.2	325	0.2
Color	-	-	-	-	-	-	525	0.4	310	0.2	310	0.2
Fluoride	-	-	-	-	-	-	-	-	172	0.1	172	0.1
Hexachlorobenzene	-	-	-	-	-	-	-	-	172	0.1	172	0.1
Odor	-	-	-	-	-	-	-	-	35	0.0	75	0.0
Simazine	-	-	-	-	-	-	74	0.0	1,554	1.0	75	0.0
Non-Native Aquatic Plants	110	0.1	1,631	1.1	634	0.4	62	0.0	62	0.0	62	0.0
Debris/Floatables/Trash	-	-	-	-	-	-	-	-	35	0.0	35	0.0
Copper	-	-	-	-	-	-	-	-	-	-	4	0.0
Total Assessed	146,732		147,361		148,014		149,792		149,849		151,435	

Table 2.6. Summary of Sources of All Use Impairments in Lakes.

	2006		2008		2010		2012		2014		2016	
Potential Source of Impairment	**Acres**	**%**	**Acres**	**%**	**Acres**	**%**	**Acres**	**%**	**Acres**	**%**	**Acres**	**%**
Source Unknown	84,031	57.3	110,504	75.0	109,652	74.1	110,737	73.9	97,398	65.0	102,089	67.4
Crop Production (Crop Land or Dry Land)	115,223	78.5	116,317	78.9	102,174	69.0	99,664	66.5	98,428	65.7	95,125	62.8
Littoral/shore Area Modifications (Non-riverine)	88,760	60.5	90,322	61.3	99,164	67.0	99,321	66.3	97,433	65.0	94,454	62.4
Runoff from Forest/Grassland/Parkland	47,070	32.1	49,888	33.9	53,006	35.8	52,511	35.1	53,236	35.5	86,553	57.2
Other Recreational Pollution Sources	76,186	51.9	77,123	52.3	83,394	56.3	82,370	55.0	80,730	53.9	77,364	51.1
Atmospheric Deposition - Toxics	7,476	5.1	71,589	48.6	77,212	52.2	77,230	51.6	77,230	51.5	77,230	51.0
Urban Runoff/Storm Sewers	39,648	27.0	40,998	27.8	40,072	27.1	40,037	26.7	40,037	26.7	41,202	27.2
Agriculture	321	0.2	2,092	1.4	9,371	6.3	12,997	8.7	13,770	9.2	29,317	19.4
Internal Nutrient Recycling	-	-	-	-	-	-	1,231	0.8	4,757	3.2	29,113	19.2
Municipal Point Source Discharges	5,781	3.9	25,053	17.0	27,642	18.7	27,642	18.5	26,842	17.9	26,623	17.6
Animal Feeding Operations (NPS)	-	-	-	-	25,355	17.1	25,355	16.9	25,355	16.9	25,355	16.7
Contaminated Sediments	40,347	27.5	46,795	31.8	13,231	8.9	15,672	10.5	13,599	9.1	13,775	9.1
Golf Courses	-	-	201	0.1	6,474	4.4	6,546	4.4	6,581	4.4	11,112	7.3
On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)	11,825	8.1	12,031	8.2	9,655	6.5	9,887	6.6	9,887	6.6	10,038	6.6
Rcra Hazardous Waste Sites	6,965	4.7	9,156	6.2	9,156	6.2	9,156	6.1	9,156	6.1	9,156	6.0
Industrial Point Source Discharge	8,086	5.5	8,086	5.5	8,086	5.5	7,048	4.7	7,048	4.7	7,048	4.7
Dredging (E.g., for Navigation Channels)	5,994	4.1	5,966	4.0	9,038	6.1	9,038	6.0	9,038	6.0	5,966	3.9
Waterfowl	4,124	2.8	4,298	2.9	6,295	4.3	4,705	3.1	4,705	3.1	2,855	1.9
Yard Maintenance	-	-	14	0.0	3,101	2.1	3,678	2.5	3,678	2.5	2,567	1.7
Rural (Residential Areas)	-	-	1,700	1.2	2,037	1.4	1,990	1.3	1,990	1.3	1,990	1.3
Dam or Impoundment	-	-	-	-	1,513	1.0	1,513	1.0	1,513	1.0	1,513	1.0
Other Turf Management	-	-	-	-	1,151	0.8	1,153	0.8	1,153	0.8	1,153	0.8
Impacts from Hydrostructure Flow Regulation/modification	8,895	6.1	9,114	6.2	2,150	1.5	1,909	1.3	940	0.6	940	0.6
Pesticide Application	990	0.7	1,090	0.7	925	0.6	900	0.6	900	0.6	904	0.6
Natural Sources	-	-	-	-	6,715	4.5	6,393	4.3	6,355	4.2	855	0.6
Residential Districts	-	-	260	0.2	754	0.5	804	0.5	804	0.5	779	0.5
Highway/Road/Bridge Runoff (Non-construction Related)	-	-	-	-	727	0.5	727	0.5	727	0.5	727	0.5
Site Clearance (Land Development or Redevelopment)	2,102	1.4	7,057	4.8	663	0.4	663	0.4	588	0.4	722	0.5
Streambank Modifications/destabilization	-	-	407	0.3	235	0.2	235	0.2	235	0.2	235	0.2
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)		0.0	225	0.2	225	0.2	225	0.2	225	0.2	225	0.1
Sediment Resuspension (Clean Sediment)	-	-	-	-	-	-	314	0.2	314	0.2	222	0.1
Landfills	172	0.1	172	0.1	172	0.1	172	0.1	172	0.1	172	0.1
Wildlife Other than Waterfowl	-	-	148	0.1	148	0.1	148	0.1	148	0.1	148	0.1
Lake Fertilization	319	0.2	248	0.2	248	0.2	183	0.1	143	0.1	143	0.1
Impervious Surface/Parking Lot Runoff	-	-	96	0.1	179	0.1	132	0.1	132	0.1	132	0.1
Unspecified Urban Stormwater	-	-	-	-	129	0.1	129	0.1	129	0.1	129	0.1
Pollutants from Public Bathing Areas	-	-	96	0.1	96	0.1	96	0.1	96	0.1	96	0.1
Introduction of Non-native Organisms (Accidental or Intentional)	2,187	1.5	2,195	1.5	88	0.1	88	0.1	88	0.1	88	0.1
Specialty Crop Production	71	0.0	71	0.0	71	0.0	71	0.0	71	0.0	71	0.0
Municipal (Urbanized High Density Area)	-	-	-	-	62	0.0	62	0.0	62	0.0	62	0.0
Livestock (Grazing or Feeding Operations)	1,233	0.8	1,283	0.9	704	0.5	39	0.0	39	0.0	43	0.0
Other Spill Related Impacts	40	0.0	40	0.0	40	0.0	40	0.0	40	0.0	40	0.0
Other Marina/Boating On-vessel Discharges	-	-	23	0.0	23	0.0	23	0.0	23	0.0	23	0.0
Permitted Silvicultural Activities	11	0.0	11	0.0	11	0.0	11	0.0	11	0.0	11	0.0
Upstream Impoundments (e.g., PI-566 NRCS Structures)	4	0.0	4	0.0	4	0.0	4	0.0	4	0.0	4	0.0
Total Assessed	146,732		147,361		148,014		149,792		149,849		151,435	

2.3 Lake Michigan

For the 2016 cycle Integrated Report, 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.

A total of 3.88 square miles (100%) of Lake Michigan bays and harbors in Illinois' jurisdiction were assessed for aquatic life use support. Only 0.06 square miles are not supporting aquatic life designated use. Contaminated sediments and urban runoff/storm sewers were identified as the sources of nonpoint source pollution impacting Lake Michigan bays and harbors in Illinois. Cadmium, chromium, copper, lead, phosphorus, and zinc were 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 5.5 miles of Lake Michigan shoreline in Illinois were assessed as fully supporting for primary contact use while the remaining 58.6 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 2018 National Wetlands Inventory that number now stands at approximately 3,488,734 acres, which is more than a 52% increase over the number of acres that were reported in 2015. 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 2.7. Wetlands in Illinois

Wetland Type	2015 Acres	2018 Acres
Freshwater Emergent Wetland	255,045	257,658
Freshwater Forested/Shrub Wetland	1,002,119	1,009,925
Freshwater Pond	164,081	169,962
Lake	643,923	1,465,234
Riverine	227,811	584,907
Other	1,743	1,048
Total	**2,294,720**	**3,488,734**

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. For the 2016 cycle Integrated Report, 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 2.8. 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.

Figure 2.1. Section 319 National Monitoring Program Projects in Illinois.

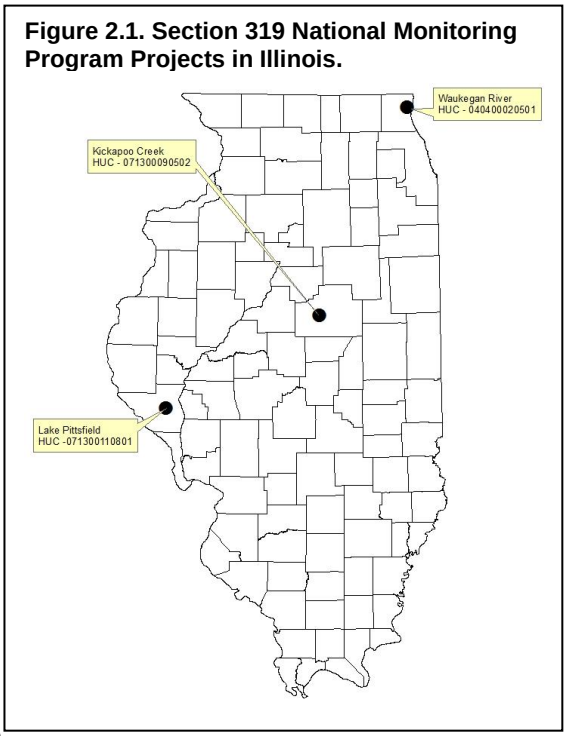


Table 2.9. Section 319 National Monitoring Program Projects in Illinois.

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 USEPA in August 2011. In 2013, the Illinois EPA completed its revisions and received USEPA approval of the updated *Illinois' Nonpoint Source Management Program* (Program) report.

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.

4. Implementation of Illinois' Nonpoint Source Management Program

4.1 Program Objectives and Milestones

The 2013 Program includes short- and medium-term goals and corresponding milestones. 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. 2013 Program Short- and Medium-Term Objectives and Milestones.

TX #	ENVIRONMENTAL BENEFITS - MILESTONES	STATUS	CITATION/DESCRIPTION
A1	The total number of assessed stream miles in Illinois impaired by nonpoint source pollution will decrease 10% (minimum of 1,006 miles) from 10,057 stream miles in 2012 to 9,051 stream miles in 2018. *Given that the total stream miles assessed may change between Integrated Reports, this 10% reduction goal could be expressed alternatively as* "The percent of assessed stream miles impaired by nonpoint source pollution in 2012 (57.5%) will decrease to 51.8% in 2018."	Pending	Stream miles impaired by NPS by Integrated Report year. 2014 – 10,641 miles 2016 – 10,948 miles Percent of assessed stream miles impaired by NPS by Integrated Report year. 2014 – 60.1% 2016 – 60.6%
A2	The total number of assessed lake acres in Illinois impaired by nonpoint source pollution will decrease 2.5% (minimum of 3,695 acres) from 147,812 lake acres in 2012 to 144,117 lake acres in 2018. *Given that the total lake acres assessed may change between Integrated Reports, this 2.5% reduction goal could be expressed alternatively as* "The percent of assessed lake acres impaired by nonpoint source pollution in 2012 (98.7%) will decrease to 96.2% in 2018."	Pending	Lake acres impaired by NPS by Integrated Report year. 2014 – 145,380 acres 2016 – 148,707 acres Percent of assessed lake acres impaired by NPS by Integrated Report year. 2014 – 97.0% 2016 – 98.2%
A3	Each Federal fiscal year from 2014 through 2019, Illinois EPA will achieve an additional annual load reduction in sediment of 8,000 tons/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. This objective corresponds to National Water Program Guidance Measure WQ-09c.	Not met	BMPs implemented in the following FFYs resulted in the following annual sediment load reductions as documented through RMMS. 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 – 3,070 tons/year

A4	Each Federal fiscal year from 2014 through 2019, Illinois EPA will achieve an additional annual load reduction in <u>total suspended solids</u> of 200,000 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.	Not met	BMPs implemented in the following FFYs resulted in the following annual TSS load reductions as documented through RMMS. FFY 2014 – 57,500 pounds/year FFY 2015 – 1,312,316 pounds/year FFY 2016 – 249,556 pounds/year FFY 2017 – 13,846 pounds/year FFY 2018 – 79,808 pounds/year FFY 2019 – 417,564 pounds/year
A5	Each Federal fiscal year from 2014 through 2019, Illinois EPA will achieve an additional annual load reduction in <u>nitrogen</u> of 15,000 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. This objective corresponds to National Water Program Guidance Measure WQ-09a.	Not met	BMPs implemented in the following FFYs resulted in the following annual nitrogen load reductions as documented through RMMS. 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 – 9,044 pounds/year
A6	Each Federal fiscal year from 2014 through 2019, Illinois EPA will achieve an annual load reduction in <u>phosphorous</u> of 8,000 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. *This objective corresponds to National Water Program Guidance Measure WQ-09b.*	Not met	BMPs implemented in the following FFYs resulted in the following annual phosphorus load reductions as documented through RMMS. 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 – 3,719 pounds/year
	PROGRAMATIC MILESTONES-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.		
B1	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.	On-going	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.

B2	Financial assistance will be provided through Section 319 CWA and Illinois Clean Lake Program (Partners in Conservation) to assist in diagnosing, restoring, and protecting Illinois lakes through Diagnostic/Feasibility Studies (Phase I) and Implementation Projects (Phase II). Between 2014 and 2019 a combination of five Phase 1 and Phase II projects will be started.	Met	Between 2014 and 2019 the following Phase I or Phase II type projects were started with funded under Section 319: 1. Apple Canyon Lake Comprehensive Watershed Plan (14-05) 2. Accelerating BMP Adoption for Lake Decatur (14-06) 3. Lake Carlinville Improvements - Phase 2 (14-08) 4. Candlewick Lake Bioswale Project (14-11) 5. Lake Springfield Watershed-based Plan & BMP Imp. (14-15) 6. Waverly Lake Watershed Imp. Plan & TMDL (15-02) 7. Lake Mauvaise Terre Pollutant Reduction & TMDL Imp. (15-05) 8. Cedar Lake BMP Imp. - Gully & Shoreline Stabilization (15-07) 9. Nippersink Creek Watershed Plan Implementation (16-10) 10. Kinkaid Lake BMP Implementation (16-11) 11. Otter Lake Watershed Plan and TMDL Imp. (16-12) 12. Lake Springfield Watershed-based Plan BMP Imp. (17-06) 13. Waverly Lake TMDL & Watershed Plan Imp. (17-11) 14. Kinkaid Lake Gully & Shoreline Stabilization (17-13) 15. Highland Silver Lake Watershed BMP Implementation (18-07) 16. Lake Lou Yaeger Watershed Implementation Project (18-11) 17. Otter Lake Watershed Plan Implementation (18-15) 18. N. Fk. Vermilion R. & Lake Vermilion Watershed Plan (19-06) 19. Lake Bloomington & Evergreen Lake Watershed Plan (19-07) 20. Lake Charleston Shoreline Stabilization Initiative (19-08) 21. Lake Mauvaise Terre In-Lake Dam Phase 1 (19-09) 22. Proposed Sediment Basin and Gully Stabilization (19-10) 23. Macoupin Cr. / Otter Lake Watershed Implementation (19-12)
B3	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 2016 and 2018. 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.	Not met	Data were collected and analyzed in accordance with the Illinois Water Monitoring Strategy and results were released for public comment. The final 2016 Illinois Integrated Water Quality Report and Section 303(d) List was submitted to USEPA in July 2016. The final 2018 Illinois Integrated Water Quality Report and Section 303(d) List has not yet been submitted to USEPA.
B4	Investigate a Watershed Coordinator Pilot Program to assist with CREP sign-ups, watershed planning and implementation and build watershed group capacity. If appropriate implement the Pilot Program and report after two years of implementation. This pilot program will be completed by 2016.	Met	This program was piloted under the Conservation Reserve Enhancement Program (CREP) Staffing project (FAA No. 3191202) funded under Section 319 in FFY2012 and the Illinois CREP Implementation & Stewardship Specialists project (FAA No. 3191404) funded under Section 319 in FFY2014.
B5	Four (4) Illinois waterbodies identified in 1998/2000 or subsequent years as being primarily nonpoint source impaired will be partially or fully restored during 2014 through 2018. *This objective corresponds to National Water Program Guidance Measure WQ-10.*	Met	During 2014 one Success Story was approved by USEPA documenting two (2) waterbodies (RBD, BPGD) that were partially or fully restored. During 2015 one Success Story was approved by USEPA documenting one waterbody (IL_DZC) that was fully restored. During 2016 one Success Story was approved by USEPA documenting one waterbody (IL_DSPAA-01) that was fully restored.
B6	During 2014 through 2018, initial restoration planning will be completed (i.e., U.S. EPA has approved all needed TMDLs for pollutants causing impairments to the waterbody or has approved a 303(d) list that recognizes that the waterbody is covered by a Watershed based Plan) for ten (10) water	Met	Illinois' "Long-term Vision for Assessment Restoration and Protection" addresses WQ-21.

	segments identified as impaired by nonpoint source pollution in 2002. *This objective corresponds to National Water Program Guidance Measure WQ-21.*		
B7	By 2015, Illinois EPA will investigate opportunities for completing at least 2 of the major components (water chemistry, biology, habitat, landscape condition, hydrology, or fluvial geomorphology) of a Healthy Watershed Initiative assessment. Watersheds of a 12 HUC size will be targeted. *This objective corresponds to National Water Program Guidance Measure WQ-22b.*	Met	Illinois EPA investigated opportunities but elected not to develop a Healthy Watershed Initiative assessment.
B8	All watershed-based plans begun after June 2012 and funded under Section 319 will contain a consistent format for identifying recommended tasks and an associated schedule. At a minimum this format will include a table identifying site-specific and watershed-wide BMP recommendations along with the associated units (number, feet, acres) that should be implemented, cost of implementation, estimated pollutant load reduction, priority, and responsible entity for each recommended BMP. Parties developing watershed-based plans without Section 319 funding will be encouraged to adopt the same format. The Illinois EPA will also investigate ways to have watershed groups "self-report" progress made toward implementing these watershed-based plan recommendations. Anticipated schedules of self-reporting will be at the 4-5 year time frame or sooner if applying for financial assistance.	Met	A watershed-based plan data layer has been added to RMMS that includes an inventory of BMPs recommended in each plan. Programming has been added to RMMS to allow watershed groups to “self-report" watershed-based plan implementation progress by entering non-319 funded BMP data into RMMS.
B9	Illinois EPA will work with Federal Partners to align NPS pollution control programs and determine deficiencies. At the Illinois EPA’s biannual Nonpoint Source Pollution Workshop, the Illinois EPA will survey Federal entities to determine if their property holdings are in compliance with the NPS Program.	On-going	
B10	Annually submit a success story to U.S. EPA Region V for consideration.	Not met	Since 2013, the number of success stories submitted to USEPA annually are as follows: 2013 – 1 (Lake Vermilion) 2014 – 0 2015 – 1 (Blue Creek) 2016 – 1 (UT Indian Creek) 2017 – 0 2018 – 0 2019 – 0

B11	By December 2014 all TMDLs will have a universal implementation tracking system in place.	Not met	
B12	Illinois EPA will assist the Illinois Department of Natural Resources and other partner agencies in the development and implementation of the state coastal nonpoint pollution control program under the Coastal Zone Act Reauthorization Amendments of 1990 (CZARA).	On-going	Illinois' Coastal Nonpoint Pollution Control Program was submitted to NOAA and USEPA on July 31, 2014. In 2016, NOAA and USEPA approved Illinois' Coastal Nonpoint Pollution Control Program subject to certain conditions explained in the findings document. Illinois EPA will continue to work with IDNR as they develop the required elements to receive full approval of their program.
B13	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 nonpoint source pollution.	On-going	During the following Section 319 grant cycles Illinois received. FFY15 – 33 applications requesting $10 million dollars in financial assistance. FFY16 – 45 applications requesting $7.6 million dollars in financial assistance. FFY17 – 37 applications requesting $12 million dollars in financial assistance. FFY18 – 28 applications requesting $9 million dollars in financial assistance. FFY19 – 28 applications requesting $9 million dollars in financial assistance. FFY20 – 27 applications requesting $8.8 million dollars in financial assistance.
	NUTRIENTS-Provide programs and initiatives for the development of nutrient reductions in the state to address water quality protection.		
C1	As part of the TMDL process, develop Load Reduction Strategies (LRS) for all identified nutrient pollutants that do not have an Illinois Water Quality Standard. This will be a contractual item for all vendors beginning with the 2012 contracts. The number of watersheds for which a LRS was developed will be reported annually.	On-going	Language was incorporated into the RFP for the FFY2012, FFY2013, and FFY2014 TMDLs.
C2	Illinois EPA along with our partners will develop and implement a Nutrient Reduction Strategy for Illinois waters. Through this document it is anticipated the NPS Program will be altered to meet the goals and objectives of this strategy. The Program will be amended to meet these objectives during	Met	The final *Illinois Nutrient Loss Reduction Strategy* was released July 21, 2015.

	the 2014 Bureau of Water Annual Hearing. This strategy will be released to the public January 2014.		
C3	Illinois EPA will support, through 319 grant opportunities, monitoring assistance and technical advisory assistance in Mississippi River Basin Initiative watersheds. Annually Illinois EPA will provide monitoring, laboratory analysis and technical assistance in at least one designated MRBI watershed for the life of the MRBI program.	On-going	Illinois EPA supported monitoring is occurring in the Indian Creek watershed, which is part of the MRBI.
C4	On a continuous basis, foster nutrient management plans in watersheds where the groundwater has been contaminated by nitrates due to NPS contamination as provided by the Illinois EPA Groundwater program.	On-going	The Illinois EPA Groundwater Section has provided the Chicago Metropolitan Agency for Planning (CMAP) and the regional groundwater committees with input on this objective and encouraged them to apply for NPS funding and promote nutrient management plans in watersheds where the groundwater has been impacted by nitrates. CMAP used groundwater monitoring data that might help characterize water quality conditions and problems in the following watersheds: Blackberry Creek (Kane and Kendall Co.), Ferson-Otter Creek (Kane Co.), and Silver Creek/Sleepy Hollow (McHenry Co.).
	GROUNDWATER-Create projects and programs to increase the number of groundwater wells sampled; to educate and inform the general 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.	On-going	Progress of the Groundwater NPS Program for 2013 – 2014 was documented in the ICCG Biennial Report.
D2	Integrate source water assessments and protection areas into geographic information system (GIS) layers to be incorporated into the Resource Management Mapping Service (RMMS).	On-going	Illinois EPA is initiating a process to integrate GIS layers of source water assessments and protection areas to be incorporated into the RMMS website.
D3	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)	On-going	
D4	Provide a feedback mechanism to identify the acres of BMPs implemented under the Conservation Reserve Program within delineated wellhead protection areas. (Groundwater Section)	Pending	Illinois EPA has provided GIS coverage's of CWS delineated wellhead protection areas to USDA/NRCS to further promote this effort. However, due to

			confidentiality restrictions we are unable to document the relative success of this program.
	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	Investigate the possibility of incorporating a statewide wetlands net gain/loss as a data layer to RMMS by 2016.	Met	Illinois EPA, in cooperation with the Illinois Department of Natural Resources, investigated this issue and determined that such data was not available in a format suitable for incorporation into RMMS.
E2	Wetland protection will be incorporated into watershed-based plans. 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.	On-going	
	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	Participation in the Volunteer Lake Monitoring Program will increase by five percent between 2012 and 2018. Baseline for this milestone is 140 VLMP lakes in 2012.	Not met	2013: 150 Lakes (7% increase) 2014: 152 Lakes (8% increase) 2015: 151 Lakes (8% increase) 2016: 154 Lakes (10% increase) 2017: 151 Lakes (8 % increase) 2018: 128 Lakes (8 % decrease) 2019: 0 Lakes – VLMP suspended
F2	Develop and hold, once every two years, a Nonpoint Source Pollution Workshop. To be held alternatively upstate and downstate; agricultural and urban topics. The first workshop was held in November 2012.	Not met	An urban workshop was held September 9 and 10, 2014. A rural workshop, focused on watershed planning, was to be held in 2016 but was rescheduled and held in November 2017 as a Nonpoint Source and Nutrient Loss Reduction Strategy Workshop.
	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	Refine and standardize field assessment and data interpretation techniques to improve NPS assessments and ensure future trend evaluations are based on consistent and reliable indicators. This includes reviewing the Narrative Standard and giving consideration to updating the Standard and field assessments. To be completed by 2015.	Pending	Review and updating the Narrative Standard is currently underway.

G2	Participate in watershed monitoring and reporting for Section 319 National Monitoring Program Projects. Continue current project (The Grove on Kickapoo) until at least 2015.	Met	The Grove on Kickapoo project was completed in the fall of 2015.
G3	Illinois EPA will complete development of the 2013-2018 Illinois Water Monitoring Strategy by September 2014. 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. Illinois EPA will consider the addition of suspended sediment concentration as a parameter to be monitored under the 2013-2018 Illinois Water Monitoring Strategy.	Met	The 2015-2020 Illinois Water Monitoring Strategy was completed in September 2014. Although suspended sediment concentration was considered as a new parameter for the updated strategy it was not included in the final document except as a noted parameter for continued consideration.
G4	Illinois EPA will work with Region V to develop an effective NPS monitoring program as part of the Illinois Water Monitoring Strategy, by September 2014. As deemed appropriate, additional monitoring locations, tools, and activities to better define NPS pollution impairments in Illinois will be identified as part of the Illinois Water Monitoring Strategy, by Sept. 2014.	Met	Illinois EPA Watershed Management staff was included on the working team to provide suggested revisions to the updated Strategy. Region V comments were considered in the final document.
G5	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).	On-going	
G6	Illinois EPA will complete a pilot project for developing TMDLs for fecal coliform, total phosphorus, total dissolved solids, atrazine, and manganese that uses intense flow and water quality monitoring data to prioritize subwatershed loadings, target implementation areas, and specific implementation activities. The pilot project will be conducted on Vermont Reservoir/Sugar Creek and Canton Lake. Stage one and two of the pilot TMDLs was completed by December 31, 2012. Stage 3 of the pilot TMDLs will be dependent upon funding availability and the findings of Stage one and two.	Met	Pilot project was conducted on Vermont Reservoir/Sugar Creek and Canton Lake. Stage 3 was completed on Canton Lake in 2017. Stage 3 was completed on Vermont Reservoir/Sugar Creek in 2019
G7	Annually have a Social Indicator Project either started or in the process of completion.	Not met	Illinois had the following social indicator projects: 2013 - Watershed Liaison (08-17, completed); Indian Creek Watershed Project (13-11, started)

			2014 - Indian Creek Watershed Project (13-11, underway); Lake Bloomington & Evergreen Watershed Social Assessment (14-13, started) 2015 - Indian Creek Watershed Project (13-11, underway); Lake Bloomington & Evergreen Watershed Social Assessment (14-13, underway) 2016 - Indian Creek Watershed Project (13-11, completed); Lake Bloomington & Evergreen Watershed Social Assessment (14-13, completed) 2017 – None 2018 – None 2019 – None
	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 2014 through 2018, seven (7) Watershed-based Plans covering at least ten (10) 12-digit hydrologic unit codes (HUCs) will be completed or updated.	Met	2014: 9 watershed-based plans covering 19 12-digit HUCs. 2015: 2 watershed-based plans covering 7 12-digit HUCs. 2016: 5 watershed-based plans covering 5 12-digit HUCs. 2017: 11 watershed-based plans covering 22 12-digit HUCs. 2018: 10 watershed-based plans covering 66 12-digit HUCs.
H2	Continue quarterly meetings, and information gathering from the ICCG, GAC, and the Regional Priority Groundwater Protection Planning on the Plan for NPS Impacts to Groundwater.	On-going	
H3	Incorporate groundwater and source water protection into watershed based plans.	On-going	
H4	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 Resource Management Mapping Service (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.	On-going	

	AGRICULTURE- A primary state objective is to assist agricultural landowners to apply BMPs to the land to reduce soil erosion and sedimentation. Because water quality has always been an important resource concern in Illinois, programs and initiatives that promote actions to address water quality are a high priority.		
I1	Consistent with the NPS Program the Conservation Practices Program (CPP), Sustainable Agriculture (SA) Grant Program and Streambank Stabilization and Restoration Program (SSRP) administered by the IDA has been instrumental regarding BMP implementation for the improvement of water quality through the reduction of soil erosion and sedimentation throughout the State. Illinois will maintain 2010 funding levels. 2010 levels: CPP- $1.8M; SA- $275,000; SSRP- $475,000	Not Met	FY2011 funding levels were as follows: CPP $811.477; Special Projects $12,409; SSRP $207,534; SA $100,000. FY2012 funding levels were as follows: CPP $681,400; SSRP $92,288; SA $66,000. FY2013 funding levels were as follows: CPP $649,000; SSRP $125,000; SA $50,000; Special Projects 15,383. FY2014 funding levels were as follows: CPP $803,000; SSRP $220,070; SA $119,915; Special Projects $5,000. FY2015 funding levels were as follows: CPP $0; SSRP $0; SA $0. FY2016 funding levels were as follows: CPP $0; SSRP $0; SA $0
	CONSTRUCTION/URBAN/STORMWATER-Develop statewide programs and projects that are designed to inform and educate community planners and decision makers, developers, local, state and federal officials, and citizens of urban and urbanizing areas about the impacts of stormwater on local water quality and BMPs to reduce stormwater runoff. Included in these programs and projects, technical and/or financial assistance to promote, design, implement, and maintain the BMPs identified to reduce stormwater runoff.		
J1	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 general guidance in the design of urban nonpoint runoff controls. Internet access of designs will continue to be available and updated.	On-going	An Illinois Urban Manual update project was funded under the FFY 2011 Section 319 grant (11-03), FFY2013 Section 604b grant (604133), FFY2015 Section 604b grant (604152), FFY2016 Section 604b grant (604162), and FFY2018 Section 604b grant (604183) to achieve this milestone.
J2	Assuming State funds are available; Illinois EPA will implement a Green Infrastructure Grant Program during SFY2014 and 15, offering a total 5 million dollars of grant funds for three different funding categories (CSO Rehabilitation, Stormwater Infiltration/Retention and Small Project) with a matching requirement between 15 and 25 percent.	Met	The Illinois Green Infrastructure Grant Program (IGIG) was implemented in SFY 2011, 2012, 2013, and 2014. BMP implementation is reported through RMMS, GRTS, and the IGIG Biannual Report. Funding for IGIG was suspended after State Fiscal Year 2014.
	TOXICANTS-Develop projects and programs that assist in the promotion of NPS pollution prevention for all sources of toxicants in all media in Illinois, including the Great Lake basin. Additionally create projects and programs to implement and assess effectiveness of BMPs designed to break down, remove, or reduce existing in-place contaminants; create systems to reduce or remove toxicants from waterbodies or from watershed runoff before impacting local water quality.		
K1	Continue coordination of the Generic SMP for Pesticides in Groundwater (include the dedicated pesticide monitoring network) with the ICCG, GAC, and Regional Planning Committees	On-going	

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. Some key partners and programs, and their achievements, are summarized below.

Table 4.2. Funding in Illinois Under Key Programs.

Program	2011	2012	2013	2014	2015	2016	2017
IEPA Nonpoint Source Program (319)	$6,904,000	$6,450,000	$6,114,000	$6,254,000	$6,190,100	$6,397,000	$6,619,000
IEPA Lakes Program	NA	NA	NA	NA	NA	NA	$0
IEPA Illinois Green Infrastructure Grant Program (IGIG)	$4,650,945	$4,205,650	$5,697,363	$5,507,095	$0	$0	$0
IEPA State Revolving Fund (SRF) NPS Projects	NA	NA	NA	NA	NA	$3,121,415	$12,416,984
IDA Streambank Stabilization and Restoration Program (SSRP)	$974,076	$235,053	$104,635	$125,000	$0	$0	NA
IDA Conservation Practice Program (CPP), Nutrient Management Program (NMP), Well Decommissioning Program (WDP)	$4,106,079	$736,830	$716,272	$649,000	$0	$0	NA
IDA Sustainable Agriculture (SA)	$289,551	$97,308	$89,632	$0	$0	$0	NA
IDA Soil and Water Conservation District Grants	$1,389,544	$3,088,841	$6,158,605	$6,211,000	NA	NA	NA
IDNR Conservation Reserve Enhancement Program (CREP)	NA	NA	NA	NA	NA	NA	NA
IDNR Illinois Coastal Grant Program	NA	NA	NA	NA	NA	NA	NA
NRCS Environmental Quality Incentives Program (EQIP)	$11,868,000	$14,264,000	$12,679,272	$10,675,404	$10,830,410	NA	NA
NRCS Conservation Stewardship Program (CSP)	$3,680,000	$4,708,000	$3,729,403	$8,522,651	$11,040,146	$7,433,262	NA
NRCS Wetland Reserve Program (WRP)	$6,828,000	$5,667,000	$1,327,817	$1,967,263	$2,267,171	$2,756,560	NA
Regional Conservation Partnership Program (RCPP)	NA	NA	NA	NA	$303,382	$719,846	NA
Total	**$40,690,195**	**$39,452,682**	**$36,616,999**	**$39,911,413**	**$30,327,827**	**$19,708,237**	**$19,035,984**

NA = Not Available

Table 4.3. Pollutant Load Reductions Achieved in Illinois Under Key Programs.

		Load Reductions Achieved Since Year			
Program	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 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,
- Environmental Quality Incentives Program (EQIP),
- Regional Conservation Partnership Program (RCPP), and
- Mississippi River Basin Initiative (MRBI).

Table 4.4. Illinois NRCS Conservation Accomplishments.

Environmental Quality Incentives Program (EQIP)	2013		2014		2015		2016	
Funding Pools	**Contracts**	**Acres Enrolled**	**Contracts**	**Acres Enrolled**	**Contracts**	**Acres Enrolled**	**Contracts**	**Acres Enrolled**
General EQIP	42	4,613	58	5,622	71	7,337	57	6,665
Forest Management Implementation	7	218	7	375	15	565	4	188
Grazing Land Operations	50	4,680	45	3,565	46	3,547	33	2,651
Confined Livestock Operations	25	4,810	23	5,524	16	4,060	23	4,959
Air Quality National	206	33,421	-	-	-	-	-	-
Certified Organic	4	283	0	0	3	13	3	1
On-Farm Energy	8	16,095	7	3,017	8	44	2	4
Organic Transition	4	681	3	112	2	72	8	517
Seasonal High Tunnels	29	75	18	36	17	18	39	99
Drainage Water Management Special Funding Pool			8	1,220	3	359	3	121
Kinkaid Lake - Joint Chief's Partnership Project	-	-	-	-	5	211	9	503
Northeastern Illinois Urban Ag Pilot							16	72
Mississippi River Basin Healthy Watershed Initiative (MRBI)	20	2,736	13	1,112	21	1,782	45	5,268
National Water Quality Initiative (NWQI)	19	1,900	20	1,461	11	612	7	1,412
Greenhouse Gas-CIG	36	8,745	-	-	-	-	-	-
Driftless Area Landscape Conservation Initiative (DALCI)	72	2,330	178	8,155	-	-	-	-
Wildlife Habitat Conservation	-	-	6	403	5	388	9	69
Conservation Activity Plans								
Comprehensive Nutrient Management Plan	42	5,961	41	4,971	43	3,026	26	886
Drainage Water Management Plan	5	585	18	2,046	3	155	6	967
Forest Management Plan	50	3,682	50	2,615	71	4,125	16	679
Grazing Management Plan	2	120	1	13	1	110	6	436
Nutrient Management Plan	1	160	1	1,210	-	-	-	-
Total	**622**	**91,095**	**497**	**41,457**	**341**	**26,424**	**312**	**25,497**

Conservation Stewardship Program (CSP)	2013		2014		2015		2016	
Funding Pools	**Contracts**	**Acres Enrolled**	**Contracts**	**Acres Enrolled**	**Contracts**	**Acres Enrolled**	**Contracts**	**Acres Enrolled**
Statewide Ag	240	187,342	534	395,469	262	211,879	317	259,482
Statewide NIPF	11	1,389	24	3,555	15	2,678	10	690
Total	**251**	**188,731**	**558**	**399,024**	**277**	**214,557**	**327**	**260,172**

	2013		2014		2015		2016	
Wetland Reserve	**No. Easements**	**Acres Protected**	**No. Easements**	**Acres Protected**	**No. Easements**	**Acres Protected**	**No. Easements**	**Acres Protected**
	10	869	7	270	3	387	9	472

The activities and accomplishments of these programs are reported annually in the Illinois Department of Agriculture's *Illinois Conservation Partnership Annual Report*. Furthermore, NRCS has created a new data portal, operated by the Resource Economics and Analysis Division (READ), to receive and act on requests for information about conservation practices implemented under these programs. 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 4.1. NWQI Watersheds in Illinois.

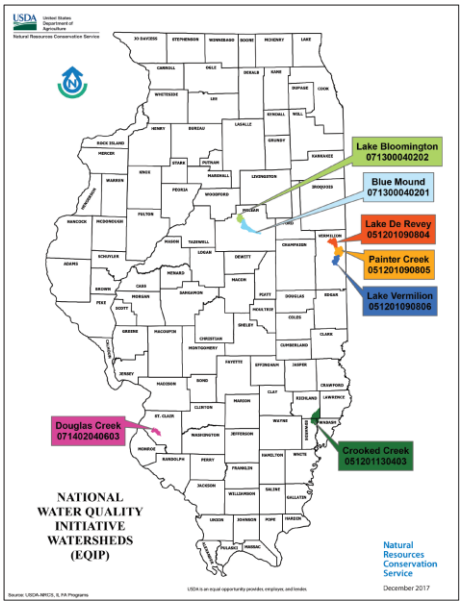


Table 4.5. NWQI Watersheds in Illinois.

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 Vermillion 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 4.2. NWQI Lake De Revey Watershed.

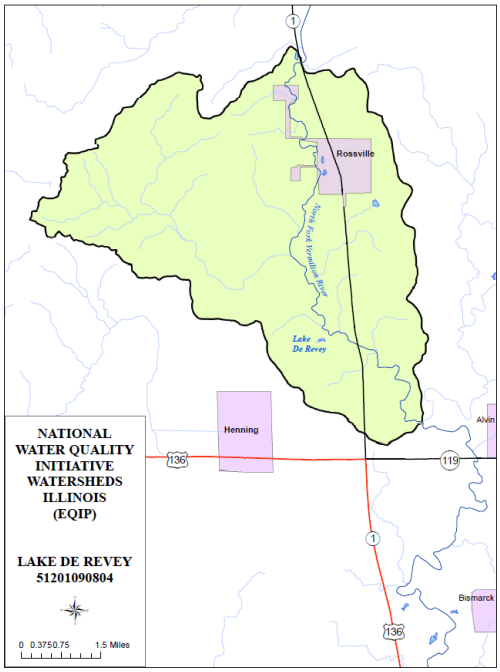
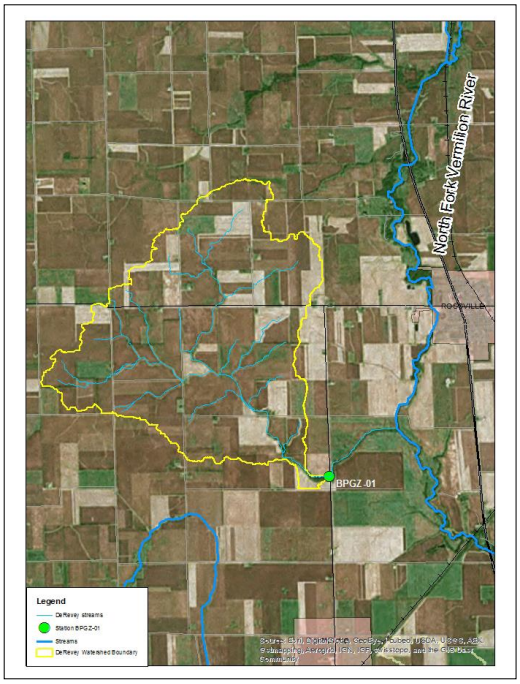


Figure 4.3. NWQI Lake De Revey Subwatershed Monitoring.



The United States Department of Agriculture Farm Service Agency (FSA) oversees a number of voluntary conservation-related programs, including the Conservation Reserve Program, Conservation Reserve Enhancement Program, CRP Grasslands, and Farmable Wetlands Program. CRP programs results for FY2009 - 2014 are available online.

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 Resource Management Mapping Service (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.

BMP Name	Program	Since Date	Number	Acres	Feet	Nitrogen Load Reduction (lbs/year)	Phosphorus Load Reduction (lbs/year)	Sediment Load 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	-	-	-	-	-

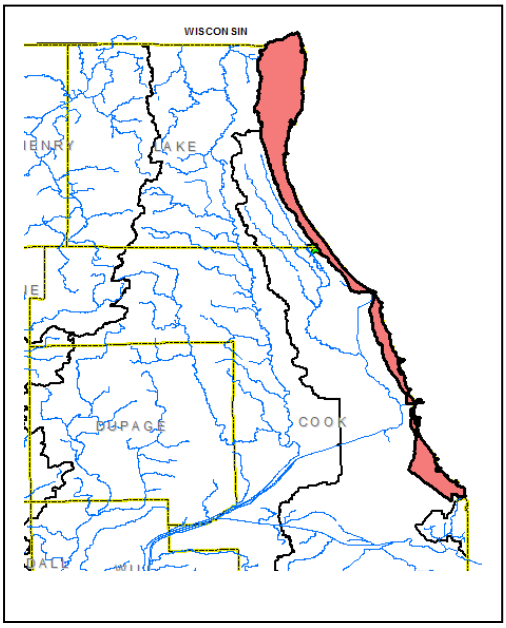
4.2.3 Illinois Department of Natural Resources

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.

Figure 4.4. CREP Eligibility Map.

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 USEPA approved the *Illinois Coastal Nonpoint Pollution Control Program* subject to certain conditions explained in a findings document.

Figure 4.5. 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 nonpoint source impaired waterbodies. Success

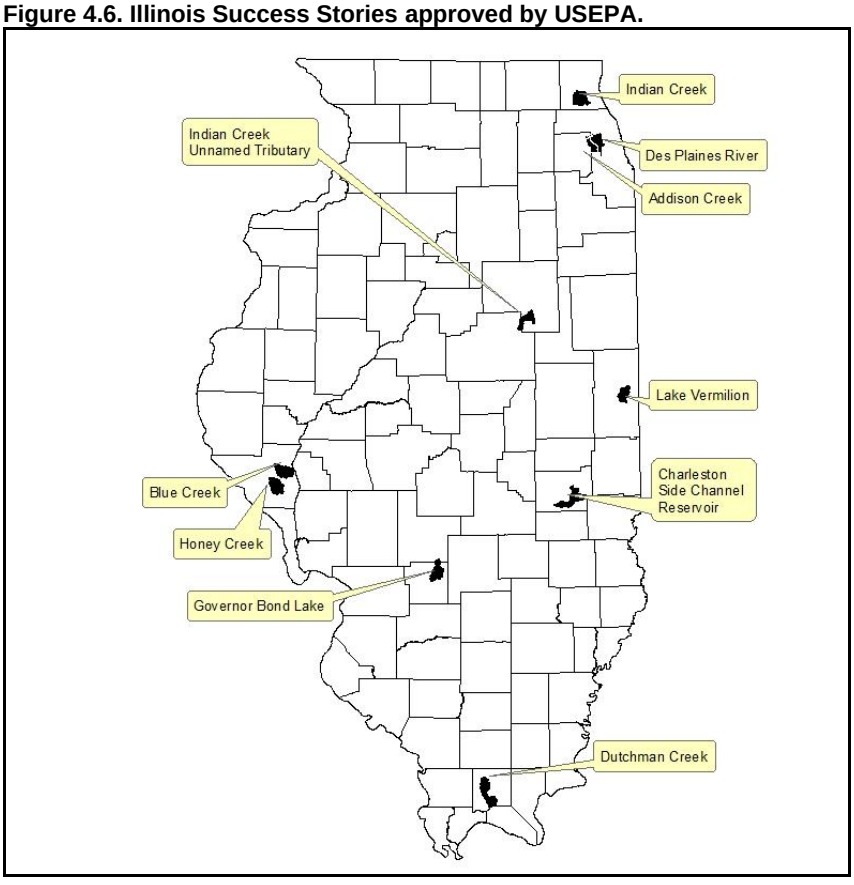
Stories are a key measure in the effort to document how NPS restoration efforts are improving water quality. This measure, known as WQ-10, is part of USEPA's National Water Program Guidance. Success stories are separated into one of the following three types, depending on the type of water quality improvement 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.

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

Figure 4.6. Illinois Success Stories approved by USEPA.



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.

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 University of Illinois and Illinois EPA's Resource Management Mapping Service (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 non-point sources, and urban non-point sources are in proportion to their contribution, as shown in Figures 4.6, 4.7, and 4.8.

Figure 4.7. The Proportion of Nitrate and Total Phosphorus Lost to the Mississippi River by Source.

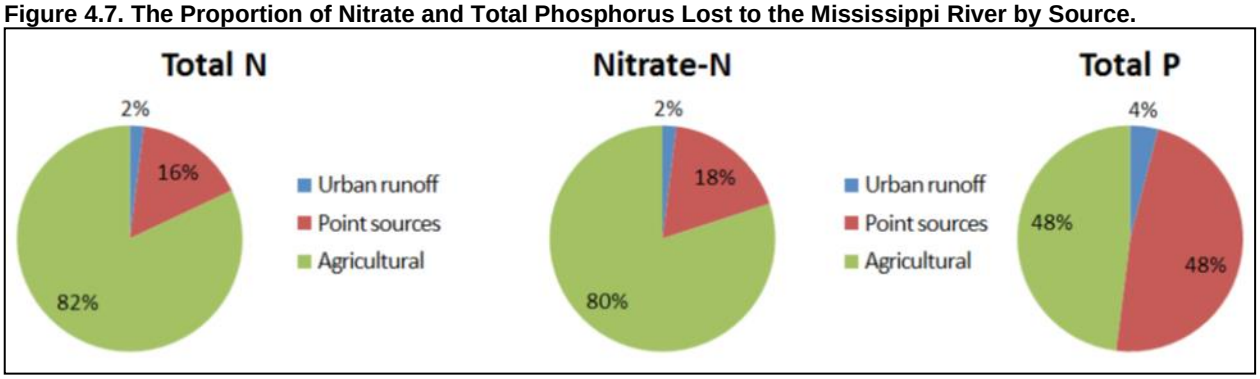


Figure 4.8. Nitrate-N Reduction goal in Pounds per Year by Source.

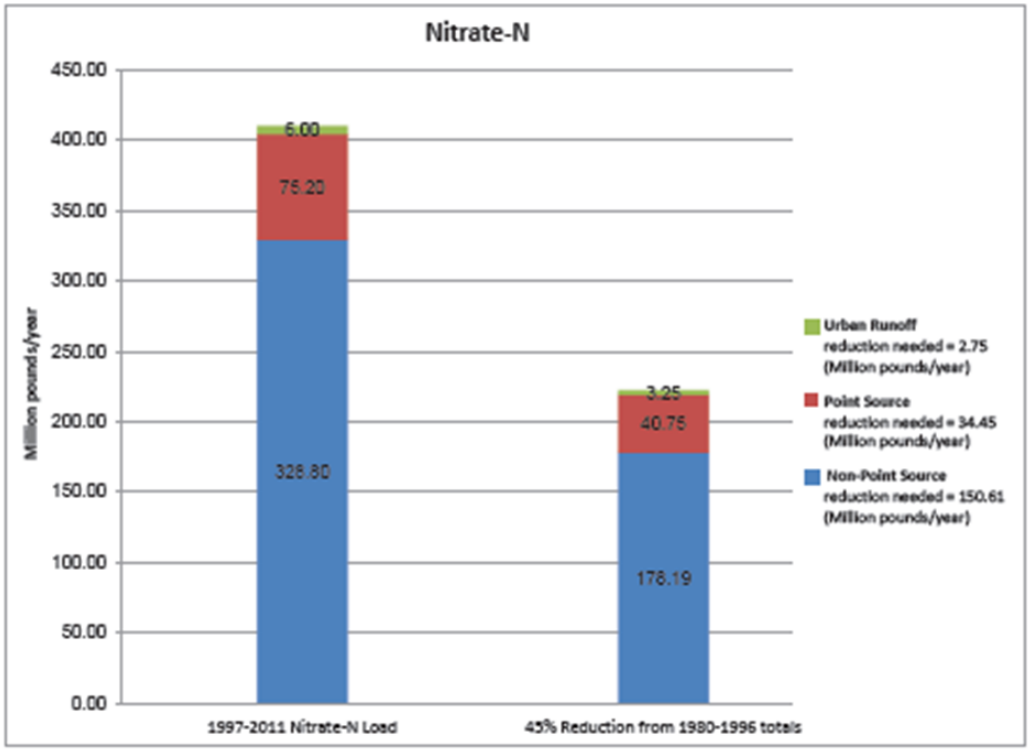
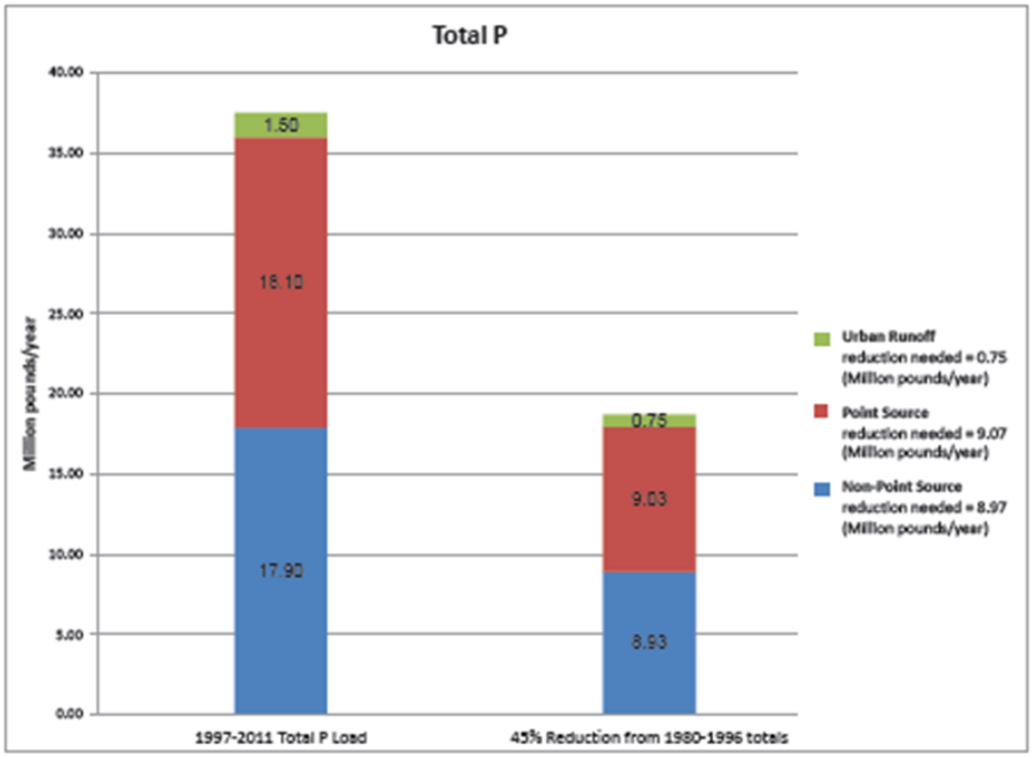


Figure 4.9. Total Phosphorus Reduction Goal in Pounds per Year by Source.



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) is 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 are available to all school children whether they attend public or private schools, and for grades from kindergarten through graduate school. Funds are also available to not-for-profit organizations. LEAP has been suspended due to a lack of funding.

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.

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
Champaign	5333	West Washington Drainage Improvements	1.2-1,4,7	$12,416,984	$6,000,000	3/16/2017	Phase 2 of the West Washington Street drainage improvements project, which includes the following: construction of a 17.8 acre feet detention basin with 6,125 linear feet of 12-inch to 54-inch diameter storm sewers that will connect to the Phase 1 detention basin. Phase 2 will also include green features, such as native plants, rain garden/bio-retention, and curb cuts that drain into bio-swales.
MWRDGC	5305	Oak Lawn Creek Streambank Stablization	1.2-7,9	$3,121,415	$1,500,000	9/22/2016	The project consists of streambank stabilization improvements to part of Oak Lawn Creek, which includes; approximately 1,200 linear feet of precast concrete panel and soldier pile retaining wall; replacement of a 54-inch diameter outfall headwall; and planting native woodland trees, shrubs and seeding.
Total				$15,538,399	$7,500,000		

4.2.4.9 Illinois Green Infrastructure Grant Program for Stormwater Management

The Illinois Green Infrastructure Grant Program for Stormwater Management (IGIG) provides 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.

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 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*.

4.2.4.11 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 nonpoint source initiatives. Numerous nonpoint source 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 nonpoint source activities at the state level by providing a more active role in the assessment of nonpoint source 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	
2016	999520016	06/22/16	04/01/16	03/31/21	$6,397,000	$2,536,963	$3,860,037	20	16	
2017	999520017	04/20/17	04/01/17	03/31/22	$6,619,000	$2,461,235	$4,157,765	19	14	
2018	999520018	08/24/18	04/01/18	03/31/23	$6,539,000	$2,208,749	$4,330,251	16	0	
2019	999520019	06/11/19	04/01/19	03/31/24	$6,474,000	$1,993,797	$4,480,203	17	0	
	Totals				**$175,752,452**	**$64,543,583**	**$111,208,869**	**541**	**499**	**$10,575,829**

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 nonpoint source pollution control projects. The types of eligible projects include the implementation of a watershed-based plan or TMDL implementation plan; development of a watershed based plan, TMDL or TMDL implementation plan; best management practice (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.

	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 Seperator (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	7,745
2017	8,897	3,774	171,578	3,497
2018	54	28	0	20

5. Open Section 319 Grants – Completed Projects

FEDERAL FISCAL YEAR 2016

Title: Copperas Creek Watershed Project

Purpose: This project installed streambank stabilization and agricultural best management practices (BMPS) in the Copperas Creek (IL_MZA) watershed, a tributary of the Mississippi River (IL_M-02). BMPs implemented under this project included approximately 2,450 feet of streambank stabilization; 2 acres of filter strips; 3 grade stabilization structures; 3.4 acres of grassed waterways; and 1,365 feet of water and sediment control basins.

Project Location: Rock Island and Mercer counties

Subgrantee: Rock Island County Soil and Water Conservation District
3020 1st Avenue East
Milan, Illinois 61264

Project Reports and Other Informational Materials:

"Copperas Creek Watershed Project." December 2018. Rock Island County Soil & Water Conservation District.

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction Sediment (tons/year)	Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
393	Filter Strip	2 ac.	-	-	-	-
410	Grade Stabilization Structure	3 no.	17	17	-	34
412	Grassed Waterway	3.4 ac.	730	730	-	1,457
580	Streambank and Shoreline Protection	2,450 ft.	867	867	-	1,735
638	Water and Sediment Control Basin	1,365 ft.	83	83	-	165


Water and Sediment Control Basin post-construction.

Streambank stabilization post-construction.

16-01 (319) CD

Title: Upper Cache River Watershed Plan

Purpose: This project developed a watershed-based plan for the Upper Cache River (IL_AD-02) watershed (HUC 051402060501, 051402060502, 051402060503, & 051402060508). The watershed-based plan was designed to improve water quality

by controlling nonpoint source pollution and consistent with the USEPA watershed-based plan guidance.

Project Location: Union County

Subgrantee: Union County Soil and Water Conservation District
201 Springfield Avenue
Anna, Illinois 62908

Project Reports and Other Informational Materials:

"Upper Cache River Watershed Implementation Plan 2017." 2017. Union County Soil and Water Conservation District.

16-02 (319) JC

Title: Facilitating the Implementation of the Illinois Nutrient Loss Reduction Strategy

Purpose: This project continued the facilitation of the Illinois Nutrient Loss Reduction Strategy. University of Illinois Extension arranged meetings for the Policy Working Group and all subgroups and subcommittees established by the Policy Working Groups, including working with appropriate partners to identify meeting needs, timing, agenda topics, inviting members and speakers, maintaining group lists, coordinating room specifics, taking official notes, and coordinating follow up and interim steps. Extension coordinated with the Steering Committee (Illinois EPA, Illinois Department of Agriculture) to anticipate needs and build agendas that produce efficient and effective meetings and ensure that appropriate people are included. Extension provided resources and tools for work group members, including presentations, collecting and analyzing data, and serving as a conduit among workgroups. They sought additional funding to enhance Strategy goals and provide technical assistance to other entities applying for grants. Extension took the lead and focused outreach efforts on the urban stormwater sector.

Project Location: Statewide

Subgrantee: University of Illinois Extension

Project Reports and Other Informational Materials:

https://www2.illinois.gov/epa/topics/water-quality/watershed-management/excess-nutrients/Pages/nutrient-loss-reduction-strategy.aspx

16-03 (319) TS (WWB18106)

Title: Watershed-Based Plan Development

Purpose: This project updated existing Metropolitan Water Reclamation District of Greater Chicago plans to create watershed-based plans for the following four (4) watersheds: 1) Little Calumet River South (IL_HB-01) watershed (HUCs 071200030404,

071200030405, 071200030305, 071200030304, 071200030302, and 071200030301); 2) Cal Sag Channel (IL_H-01) watershed (HUCs 071200040702, 071200030401, 071200030402, and 071200030403); 3) Poplar Creek (IL_DTG-03) watershed (HUC 071200061205); and 4) Lower Des Plaines River (IL_G-03) watershed (HUCs 071200040504; that portion of 071200040503 south of, and excluding, the confluence of Buffalo Creek; 071200040505; 071200040506 except for the Silver Creek sub-watershed; 071200040706; 071200040701; and that portion of 071200040706 east of Will County). The plans were designed to improve water quality by controlling nonpoint source pollution and are consistent with the USEPA watershed-based plan guidance.

Project Location: Cook County

Subgrantee: Metropolitan Planning Council
140 South Dearborn Street, Suite 1400
Chicago, Illinois 60603

Project Reports and Other Informational Materials:

"Calumet-Saganashkee Channel Watershed-based Plan." December 20, 2017. Metropolitan Planning Council.

"Little Calumet River Watershed-based Plan." December 20, 2017. Metropolitan Planning Council.

"Lower Des Plaines River Watershed-based Plan." October 2018. Metropolitan Planning Council.

"Poplar Creek Watershed-based Plan." October 2018. Metropolitan Planning Council.

16-04 (319) ST

Title: Lake Bloomington Pilot: Reducing Nitrogen Loss and Improving Water Quality

Purpose: This project developed nutrient management plans for 2,821 acres of cropland in the Lake Bloomington (IL_RDO) watershed in McLean County, Illinois and treated 2,104 of those acres with spring pre-plant and side-dress nitrogen application instead of fall application over the course of the project period. A monitoring study was conducted to determine the potential effectiveness of reducing nitrogen loss into Lake Bloomington by reducing fall anhydrous application and increasing spring pre-plant/side dress nitrogen application in the watershed. The monitoring study was designed to quantify nutrient loss from fall application and document return on investment for custom spring fertilizer application. Field and producer data was collected from the acres participating in the project to document baseline information on current nitrogen application practices; spring and fall soil nitrogen levels; fall corn stalk nitrogen levels; crop yields; N fiscal results ($/acres); and farmer insights, perceived barriers, degree of satisfaction, and likelihood of continuing spring application after the project period. The project also included an outreach and education component involving field days, newsletters, brochures, and material on the Mclean County Soil and Water Conservation District (SWCD) website. The

outreach and education component was be designed to promote spring pre-plant/side dress nitrogen application to all agricultural producers and landowners throughout the watershed.

Project Location: McLean County

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

Project Reports and Other Informational Materials:

"Lake Bloomington Watershed Pilot Project - Reducing Nitrogen Loss and Improving Water Quality." August 2017 (brochure). McLean County Soil and Water Conservation District.

"Lake Bloomington Pilot: Reducing Nitrogen Loss and Improving Water Quality." March 2019. McLean County Soil and Water Conservation District.

16-05 (319) TS

Title: Hickory Creek Green Infrastructure

Purpose: This project implemented BMPs at three sites in the Hickory Creek watershed. The East Branch of Marley Creek Streambank Stabilization component stabilized approximately 130 feet of eroding streambank along the East Branch of Marley Creek, a tributary of Marley Creek (IL_GGB-01), in Mokena, Illinois by re-grading the bank and planting deep-rooted native vegetation. The City of Joliet-Washington Street Sustainable Design component stabilized approximately 460 feet of eroding streambank along Hickory Creek (IL_GG-04) in Joliet, Illinois using stone toe protection, slope re-grading, and re-vegetation with deep-rooted native plants. The New Lenox VFW Streambank Stabilization component constructed a 250 foot long bioswale (2,500 square feet) to filter, retain, and infiltrate stormwater runoff from the existing VFW parking lot and stabilized approximately 475 feet of eroding streambank on a segment of Hickory Creek (IL_GG-04) at the VFW in New Lenox, Illinois by re-grading the bank, installing stone toe protection, fifteen rock points, and planting deep-rooted native vegetation.

Project Location: Will County

Subgrantee: Hickory Creek Watershed Planning Group
1 Veterans Parkway
New Lenox, Illinois 60451

Project Reports and Other Informational Materials:

"Hickory Creek Green Infrastructure Phase 1 Implementation." October 18, 2018. Hickory Creek Watershed Planning Group.

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	1,065 ft.	130	130	1,275	262

Hickory Creek bank stabilization pre-construction.

Hickory Creek bank stabilization post-construction.

16-06 (319) JC

Title: Galena River Watershed Plan

Purpose: This project developed a watershed-based plan for the Galena River (IL_MQ-01) watershed (HUC 070600050307) that is designed to improve water quality by controlling nonpoint source pollution. The plan is consistent with the USEPA watershed-based plan guidance.

Project Location: Jo Daviess County

Waterbody Name (ID): Galena River (IL_MQ-01)

Subgrantee: League of Women Voters of Illinois Education Fund
332 South Michigan Avenue, Suite 634
Chicago, Illinois 60604

Project Reports and Other Informational Materials:

"Galena River Watershed-based Plan: Phase I." September 2018. League of Women Voters of Jo Daviess County.

16-07 (319) ST

Title: Woods Creek Streambank Stabilization and Restoration

Purpose: This project installed a two-stage ditch to stabilize both banks (6,208 linear feet) of a 3,104 linear foot segment of Woods Creek, a tributary of Lake in the Hills (IL_RTZZ), located north of County Line Road in Algonquin, Illinois. The channel was widened

and a floodplain shelf installed on both banks along with a riparian buffer of deep-rooted, native vegetation. Stone toe protection was installed on sections of the two-stage ditch to provide additional streambank stabilization. Also, eight rock riffle grade control structures were installed within the two-stage ditch to prevent erosion of the streambed. Four information/educational signs were strategically placed along the adjacent bike/walking path and pedestrian bridge at the downstream end of the project.

Project Location: McHenry County

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

Project Reports and Other Informational Materials:

"Woods Creek Streambank Stabilization Project - Summary Report. July 19, 2017. Applied Ecological Services, Inc.

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	6,208 ft.	375	376	-	770

Woods Creek bank stabilization post-construction.


Woods Creek bank stabilization post-construction.

16-08 (319) SR

Title: Timber Lake South Inlet Project

Purpose: This project implemented best management practices (BMPs) along a small unnamed stream (South Branch South Inlet) to reduce nonpoint source pollution discharged to Timber Lake (IL_RTZQ) in Lake County, Illinois. BMPs included 1) a 90 foot bioswale (1,080 sq. ft) along East Oakwood Avenue constructed over a 2.5 foot thick course aggregate base and 9 inch thick layer of amended topsoil planted with deep-rooted native vegetation; 2) the stabilization of 190 linear feet of eroding streambank using stone toe protection, channel rock lining, minor slope re-grading, erosion control blanket, and deep-rooted native vegetation; 3) the stabilization of 568

linear feet of stream channel using nineteen (19) rock checks and native vegetation; and 4) the restoration of 0.5 acres of wetland using a containment berm, re-grading, rock outlet, and wetland vegetation. The project also included an education component involving presentations, watershed group meetings, community group discussions, and site tours.

Project Location: Lake County

Subgrantee: Timberlake Estates Civic Association, INC.
Post Office Box 3421
Barrington, Illinois 60010

Project Reports and Other Informational Materials:

"Timber Lake South Inlet Project." August 2018. Living Waters Consultants, Inc.

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	190 ft.	15	16	-	30
584	Stream Channel Stabilization	568 ft.	70	70	-	141
657	Wetland Restoration	0.5 ac.	-	7	1,396	2
814	Bioswale	0.025 ac.	-	1	594	-


Bioswale post-construction.


Stream channel stabilization post-construction.

16-09 (319) ST

Title: Kinkaid Lake BMP Implementation

Purpose: This project helped protect the beneficial uses of Kinkaid Lake (IL_RNC) from the impairments of nonpoint source (NPS) pollution. This project stabilized 2,670 feet of shoreline that were in areas of high, moderate, or severe categories of erosion. The project also stabilized approximately 2,385 feet of gullies in close proximity to the lake.

Project Location: Jackson County

Subgrantee: Kinkaid-Reed's Creek Conservancy District
1763 Water Plant Road
Murphysboro, Illinois 62966

Project Reports and Other Informational Materials:

"Project Evaluation and Final Report - Kinkaid Lake TMDL Best Management Practices Implementation." February 2018. HMG Engineers Inc.

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	5,055 ft.	1,570	1,569	-	3,138


Kinkaid Lake shoreline stabilization pre-construction.


Kinkaid Lake shoreline stabilization post-construction.

16-11 (319) JC

Title: Otter Lake Watershed Plan and TMDL Implementation

Purpose: This project updated the existing watershed-based plan for the Otter Lake (IL_RDF) watershed (HUC 071300120202) and also implemented best management practices (BMP) to reduce nonpoint source pollution in the Otter Lake watershed. BMPs included 2,413 linear feet of shoreline stabilization, 100 acres of cover crops (50 acres/year for 2 years), one (1) water and sediment control basin, three (3) ponds, one sediment basin, and wetland restoration.

Project Location: Macoupin County

Subgrantee: Otter Lake Water Commission
Post Office Box 468
Virden, Illinois 62690

Project Reports and Other Informational Materials:

"Otter Lake Watershed Implementation Plan." April 18, 2018. Northwater Consulting.

"Otter Lake Shoreline Erosion Control & TMDL Implementation Project." July 31, 2018. Otter Lake Water Commission.

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction Sediment (tons/year)	Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
340	Cover and Green Manure Crop	50 ac.	5	15	-	143
350	Sediment Basin	1 no.	5	11	-	50
378	Pond	3 no.	279	317	-	972
638	Water and Sediment Control Basin	300 ft.	7	9	-	23
580	Streambank and Shoreline Protection	2,413 ft.	665	556	-	757
657	Wetland Restoration	1 ac.	47	87	-	552

Otter Lake shoreline stabilization pre-construction.

Otter Lake shoreline stabilization post-construction.

16-12 (319) JC

Title: Upper Silver Creek BMP Implementation

Purpose: This project implemented best management practices (BMPs) in the Upper Silver Creek (IL_OD-06) watershed (HUC 071402040501, 071402040502, 071402040503, 071402040504, 071402040505, and 071402040506) to reduce nonpoint source pollution, soil erosion, and nutrient and sediment loadings in order to improve water quality. BMPs included 7.9 acres of grassed waterways; two ponds; 8,140 linear feet of stream channel stabilization; 505 linear feet of streambank stabilization; one livestock waste management system; 4 grade stabilization structures; and 6 water and sediment control basins (11,180 feet). The project also included an education and outreach component involving a workshop, tours, cover crop demonstrations, mailings, and flyers. Water quality monitoring was conducted to assess the effectiveness of agricultural and urban BMPs implemented in the watershed.

Project Location: Madison and Macoupin counties

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

Project Reports and Other Informational Materials:

"Upper Silver Creek Watershed BMP Implementation Project - Final Project Report." December 2018. HeartLands Conservancy.

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction Sediment (tons/year)	Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
312	Waste Management System	1 no.	-	638	-	2,795
378	Pond	2 no.	547	479	-	959
410	Grade Stabilization Structure	4 no.	50	50	-	100
412	Grassed Waterway	7.9 ac	809	540	-	1,081
638	Water and Sediment Control Basin	11,180 ft.	609	376	-	752
580	Streambank and Shoreline Protection	505 ft.	72	72	-	143
584	Stream Channel Stabilization	8,140 ft.	613	613	-	1,224

Grassed waterway pre-construction.

Grassed waterway post-construction.

16-13 (319) CD

Title: Fetzner Park Riparian Area Restoration

Purpose: This project restored the riparian buffer and stabilized both banks (4,792 linear feet) of a 2,396 linear foot segment on a tributary of Woods Creek, which is a tributary of Lake in the Hills (IL_RTZZ), located in Fetzner Park in Crystal Lake, Illinois. Four rock riffle (cross vanes) grade control structures were installed along with a riparian buffer of deep-rooted, native vegetation. Two existing dry detention basins adjacent to the stream were retrofitted by replacing turf grass with a mesic prairie seed mix. Four information/educational signs were placed along the adjacent bike/walking path and pedestrian bridge at the project site.

Project Location: McHenry County

Subgrantee: Crystal Lake Park District
One East Crystal Lake Avenue
Crystal Lake, Illinois 60014

Project Reports and Other Informational Materials:

"Fetzner Park Riparian Area Restoration Project." May 2, 2018. Applied Ecological Services, Inc.

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	4,792 ft.	173	173	-	345
800	Urban Stormwater Wetlands	2 no.	-	35	48,709	279

Streambank stabilization post-construction.

Detention basin retrofit post-construction.

16-14 (319) SR

Title: Raingarden/Bioswales at Tower Lakes

Purpose: This project implemented best management practices (BMPs) to reduce nonpoint source pollution discharged to Tower Lake (IL_RTZF) from the Village of Tower Lakes in Lake County, Illinois. BMPs included 1) a 4,971 square foot bioswale (rain garden) at Wagner Park, 2) the restoration of 0.4 acres of wetland to further absorb and treat the water coming out of the bioswale at Wagner Park before it enters the lake, and 3) a 7,798 square foot bioswale (rain garden) at Bays Park. Construction of the bioswales included excavation, placement of engineered topsoil, and the installation of native vegetation. The project also included an education component involving newsletters, work days, meetings, and presentations that were designed to promote rain gardens and to encourage private landowners to install them on their own property.

Project Location: Lake County

Subgrantee: Village of Tower Lakes
400 North Route 59
Tower Lakes, Illinois 60010

Project Reports and Other Informational Materials:

"Tower Lakes Raingardens and Bioswales." July 2019. Village of Tower Lakes.

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction Sediment (tons/year)	Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
800	Urban Stormwater Wetlands	1 no.	-	64	61,349	213
814	Bioswale	0.29 ac.	-	184	117,690	1,271

Bioswale post-construction.

Stormwater wetland during construction.

16-15 (319) ST

Title: Kimball Farms Detention Basin Retrofit Project

Purpose: This project reduced nonpoint source pollution discharged to an unnamed tributary of the Fox River (IL_DT-20) by stabilizing approximately 400 linear feet of eroding shoreline and establishing a two-acre buffer of native wetland and prairie vegetation around an existing wet detention basin in the Kimball Farms Subdivision in Carpentersville, Illinois. The eroding shoreline was stabilized using coir logs (biologs), minor bank re-shaping, and wetland vegetation. Existing turf grass side slopes around the entire detention basin were replanted with wetland and prairie vegetation.

Project Location: Kane County

Subgrantee: Friends of the Fox River
Post Office Box 5634
Elgin, Illinois 60121

Project Reports and Other Informational Materials:

"Kimball Farms Detention Basin Retrofit Project – Summary Report." September 29, 2017. Applied Ecological Services, Inc.

BMP Implementation Summary:

			Estimated Load Reduction			
BMP Code	BMP Name	Amount	Sediment (tons/year)	Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
580	Streambank and Shoreline Protection	400 ft.	7	7	-	14
835	Urban Filter Strip	2 ac.	-	15	9,023	96

Shoreline stabilization pre-construction.

Shoreline stabilization post-construction.

16-16 (319) ST

Title: Clinton County Livestock Waste Management Project

Purpose: This project hired an Agricultural Engineer to work with livestock producers in Clinton and Bond counties within the Shoal Creek (IL_OI-08) watershed (HUC 071402030603 & 071402030604) to upgrade waste handling systems and to develop Comprehensive Nutrient Management Plans (CNMP). Any facility that had or required an NPDES permit was not eligible for cost-share assistance under this project. Clinton County contains one of the densest livestock populations and the greatest number of dairy farms in Illinois. Multiple segments have livestock as one of the sources for the impairments.

Project Location: Clinton and Bond counties

Subgrantee: Clinton County Soil and Water Conservation District
1780 North 4th Street
Breese, Illinois 62230

Project Reports and Other Informational Materials:

"Shoal Creek Watershed Plan Implementation - Illinois EPA Section 319 Final Report." July 2018. Clinton County Soil & Water Conservation District.

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction Sediment (tons/year)	Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
312	Waste Management System	6 no.	-	4,625	-	35,348
359	Waste Treatment Lagoon	1 no.	-	687	-	6,909

16-17 (319) JC

FEDERAL FISCAL YEAR 2017

Title: Technical Assistance for the Coastal Clean Waters Program

Purpose: This project allowed the Illinois Department of Natural Resources' Coastal Management Program, in cooperation with the Prairie Research Institute at the University of Illinois, to hire of a full time staff member to develop and implement the Coastal Clean Waters Program. This position provided support and technical assistance to the Coastal Management Program regarding coastal management issues, watershed management, and nonpoint source pollution. The primary responsibility of this person was to address unapproved management measures in Illinois' Coastal Nonpoint Pollution Control Program, required under Section 6217 of the Coastal Zone Act Reauthorization Amendments of 1990, and initiate program implementation. This included collecting and analyzing technical information about existing laws, policies, programs and initiatives at the local, regional, state, and federal scale; assessing how the existing framework meets required management measures; developing policy and program recommendations; creating and compiling submissions for USEPA and NOAA; and initiating development of a fifteen-year strategy and five-year coastal nonpoint implementation plan.

Project Location: Lake and Cook Counties

Subgrantee: Illinois Department of Natural Resources
Coastal Management Program
160 N. LaSalle S-703
Chicago, Illinois 60601

17-01 (319) CD

Title: Calculation of Riverine Nitrate and Total Phosphorus Loads for the Illinois Nutrient Loss Reduction 2019 Progress Report

Purpose: This project calculated the total phosphorus and nitrate loads in Illinois Rivers at the HUC 8 scale, where there was sufficient data to perform the load calculations from 2010 to 2017. Point source loads were also compiled for each HUC 8, and the non-point source load were estimated by the difference between the point source loads and the total HUC loads calculated from USGS flow and Illinois EPA Ambient Water Quality Monitoring Network (AWQMN) data.

Project Location: Statewide

Subgrantee: University of Illinois

Project Reports and Other Informational Materials:

"Nitrate and Total Phosphorus Loads in Illinois Rivers: Update Through the 2017 Water Year." October 13, 2019. University of Illinois.

17-02 (319) TS (WLP19125)

Title: Copperas Creek Watershed-Based Plan

Purpose: This project developed a watershed-based plan for the 47,000 acre Copperas Creek (IL_MZA) watershed (HUC 0708010105). The plan was 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) and current watershed planning principles. The project included a local stakeholder committee, technical advisory committee, state and federal partners, and a consultant.

Project Location: Rock Island County

Subgrantee: Rock Island County Soil and Water Conservation District
3020 1st Avenue East
Milan, Illinois 61264

Project Reports and Other Informational Materials:

"Copperas Creek Watershed Based Plan." June 1, 2018. Rock Island County Soil and Water Conservation District & Christopher B. Burke Engineering, Ltd.

17-03 (319) SR

Title: Friends Creek Watershed-Based Plan

Purpose: This project implemented the 2008 *Lower Part of the Upper Sangamon River Watershed Resource Plan* (which covers HUCs 0713000602, 0713000603, & 0713000604) by developing an updated watershed-based plan for one of its sub-watersheds, the Friends Creek (IL_EV-02) watershed (HUC 0713000603), that was designed to improve water quality by controlling nonpoint source pollution. The Friends Creek 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), Chicago Metropolitan Agency for Planning's "Guidance for Developing Watershed Action Plans in Illinois" dated June 2007, and current watershed planning principles.

Project Location: Macon, DeWitt, and Piatt Counties

Subgrantee: Macon County Soil and Water Conservation District
4004 College Park Road
Decatur, Illinois 62521-7401

Project Reports and Other Informational Materials:

"Friends Creek Resource Inventory & Plan." July 1, 2019. Macon County Soil and Water Conservation District.

17-04 (319) ST

Title: East Fork Creek Watershed-Based Plan

Purpose: This project developed a watershed-based plan for the East Fork East Plum (IL_MJCB) watershed (HUC 070600050801) that is designed to improve water quality by controlling nonpoint source pollution. The plan is consistent with USEPA watershed-based plan guidance. Carroll Lake (IL_RMQ) is located within the East Fork East Plum watershed and East Fork East Plum is a tributary of the East Plum River (IL_MJC), which is tributary of Plum River (IL_MJ-01). The watershed-based plan for the East Fork East Plum watershed assessed the watershed's nonpoint source pollution loads to its waters, determined problem areas, recommended best management practices, and provided an implementation plan to alleviate water quality impairments and problems.

Project Location: Carroll and Stephenson Counties

Subgrantee: Lake Carroll Association
3-200 Association Drive
Lanark, Illinois 61046-9120

Project Reports and Other Informational Materials:

"East Fork Creek Watershed Resource Inventory and Watershed Plan." September 2019. Olson Ecological Solutions, LLC.

17-05 (319) ST

Title: Lake Springfield Watershed-based Plan BMP Implementation

Purpose: The project installed best management practices (BMPs) in the Lake Springfield (ILREF) watershed to reduce nonpoint source pollution. BMPs implemented under this project included approximately 2,971 acres of cover crops; nutrient management plans for 7,034 acres of cropland; one grade stabilization structure; 8.3 acres of grassed waterway; 1,500 feet of shoreline stabilization; 28.4 acres of woodland improvement; and 35 acres of conservation cover. The project included an educational component involving meetings, bus tours, field days, and newsletters. The project also included a streambank erosion study that expanded upon what was done as part of the watershed-based plan to gain a more accurate estimate of sediment load, especially for those stream reaches on private property or not immediately visible from a road.

Project Location: Sangamon County

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

Project Reports and Other Informational Materials:

"Lake Springfield Watershed-Based Management Plan - Best Management Practices Implementation Project - Phase 2." December 2019. Sangamon County Soil and Water Conservation District.

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction: Sediment (tons/year)	Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
327	Conservation Cover	35 ac.	22	21	-	41
340	Cover and Green Manure Crop	2,971 ac	1,446	1,441	-	2,879
410	Grade Stabilization Structure	1 no.	-	-	-	-
412	Grassed Waterway	8.3 ac.	313	278	-	555
590	Nutrient Management	7,034 ac.	-	-	-	-
580	Streambank and Shoreline Protection	1,500 ft.	182	182	-	363
666	Woodland Improvement	28.4 ac.	157	157	-	342

Block chute post-construction.

Cover crop post-construction.

17-06 (319) CD

Title: Culver Park Detention Basin Retrofit Project

Purpose: This project reduced nonpoint source pollution discharged to an unnamed tributary of Long Run (IL_GHE-01), which is a tributary of the Illinois and Michigan Canal (IL_GH), by establishing a 1.73-acre buffer of deep-rooted, native mesic, wet prairie and savanna vegetation around an existing three-acre wet detention basin in Culver Memorial Park in Homer Glen, Illinois. Existing turf grass side slopes around the entire detention basin were replanted with deep-rooted, native vegetation and approximately 1,330 linear feet of 2,750 native wetland plant plugs installed along the entire shoreline at the toe of the slope. The project also included the installation of two educational signs, a 1,219 linear foot mulch path, and 4 limestone fishing piers, which provide controlled points of access to the basin and thereby minimize the risk of people trampling the vegetative buffer and causing erosion.

Project Location: Will County

Subgrantee: Homer Township
14350 W. 151st Street
Homer Glen, Illinois 60491

Project Reports and Other Informational Materials:

"Culver Park Detention Basin Retrofit Project." June 2019. HR Green, Inc.

BMP Implementation Summary:

			Estimated Load Reduction			
BMP Code	BMP Name	Amount	Sediment (tons/year)	Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
835	Urban Filter Strip	1.73 ac.	-	180	72,259	540

Shoreline buffer filter strip post-construction.

Shoreline buffer filter strip post-construction.

17-07 (319) SR

Title: Buffalo Creek Streambank Restoration

Purpose: This project stabilized approximately 3,500 feet of eroding streambank along both sides of a 1,750-foot segment of Buffalo Creek (ILGST) in Buffalo Grove, Illinois. Streambanks were stabilized using three (3) J-hook riffles; bank grading, coir fiber log, footer log, stone toe protection, and vegetated geogrid; and a 15-foot wide buffer of native vegetation (1.5 acres).

Project Location: Lake County

Subgrantee: Village of Buffalo Grove
50 Raupp Boulevard
Buffalo Grove, Illinois 60089

Project Reports and Other Informational Materials:

"Buffalo Creek Streambank Restoration Project." June 2019. Manhard Consulting.

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	3,500 ft.	95	95	-	189

Streambank stabilization pre-construction.

Streambank stabilization post-construction.

17-08 (319) ST

Title: Homer Glen Heritage Park BMPs for Water Quality Improvement

Purpose: This project reduced stormwater volume and nonpoint source pollution discharged to an unnamed tributary of Long Run (IL_GHE-01) by converting two existing golf course ponds into two expanded, large stormwater wetlands (totaling 27.34 acres); constructing three rain gardens (totaling 0.45 acres); and constructing 0.81 acres of bioswale at Heritage Park, formerly Woodbine Golf Course, in Homer Glenn, Illinois. Construction of the wetland basins, rain gardens, and bioswale included excavation and the installation of deep-rooted native vegetation and wetland plantings. The wetland basins, rain gardens, and bioswale were designed to filter, retain, and infiltrate stormwater. The project also included three informational signs and a brochure to educate residents about the project and its water quality and related benefits.

Project Location: Will County

Subgrantee: Village of Homer Glen
14240 West 151st Street
Homer Glen, Illinois 60491

Project Reports and Other Informational Materials:

"Homer Glen Heritage Park BMPs for Water Quality Improvement." July 2019. HR Green, Inc.

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction Sediment (tons/year)	Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
013	Rain Garden	3 no.	-	11	-	68
800	Urban Stormwater Wetlands	2 no.	-	16	9,752	53
814	Bioswale	0.81 ac.	-	6	5,670	18

Bioswale post-construction.

Urban stormwater wetland post-construction.

17-09 (319) SR

Title: Silver Creek Corridor Restoration Project

Purpose: This project stabilized approximately 3,144 feet of eroding streambank along both sides of a 1,628-foot segment of Silver Creek (ILGM01), a tributary of the DesPlaines River, located in Melrose Park, Illinois. Streambanks were stabilized using slope re-grading, a buffer of deep-rooted native vegetation, erosion control blanket, stone toe protection, 13 rock points, and three riffles. The project also restored 0.5 acres of wetlands and established 2.53 acres of filter strip in areas adjacent to Silver Creek by removing invasive trees and shrubs and installing deep-rooted native vegetation to improve infiltration of urban runoff and provide pollutant filtration.

Project Location: Cook County

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

Project Reports and Other Informational Materials:

"Silver Creek Corridor Restoration Project." September 2019. Living Waters Consultants, Inc.

BMP Implementation Summary:

			Estimated Load Reduction			
BMP Code	BMP Name	Amount	Sediment (tons/year)	Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
580	Streambank and Shoreline Protection	3,144 ft.	326	326	-	653
657	Wetland Restoration	0.5 ac.	-	96	70,331	323

Streambank stabilization post-construction.

Streambank stabilization post-construction.

17-10 (319) ST

Title: Waverly Lake TMDL & Watershed Plan Implementation

Purpose: The project installed best management practices (BMPs) in the Waverly Lake (IL_SDC) watershed (a portion of HUC 071300110601) to reduce nonpoint source pollution. BMPs implemented under this project included approximately 363 acres of strip-till; 16,985 feet of water and sediment control basins; 7.92 acres of filter strips; 1,469 feet of lake shoreline and streambank stabilization; 29 grade stabilization structures; 3 ponds; 3 sediment basins; 100 feet of stream channel stabilization (riffles); 0.86 acres of permanent seeding; 4.41 acres of grassed waterways; 0.2 acres of wetland restoration, and 250 feet of surface drain.

Project Location: Morgan County

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

Project Reports and Other Informational Materials:

"Waverly Lake TMDL & Watershed Implementation Plan Initiative." April 24, 2020. Northwater Consulting.

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction Sediment (tons/year)	Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
329	Conservation Tillage	363.07 ac.	56	71	-	476
350	Sediment Basin	3 no.	14	18	-	52
378	Pond	3 no.	42	41	-	140
393	Filter Strip	7.9 ac.	67	75	-	286
410	Grade Stabilization Structure	29 no.	362	304	-	1,374
412	Grassed Waterway	4.41 ac.	61	59	-	215
607	Surface Drainage (Field Ditch)	250 ft.	1	1	-	11
638	Water and Sediment Control Basin	16,985 ft.	345	344	-	834
880	Permanent Seeding	0.86 ac.	1	1	-	6
009	Stream Channel Restoration	100 ft.	40	36	-	82
580	Streambank and Shoreline Protection	1,469 ft.	350	311	-	694
657	Wetland Restoration	0.20 ac.	3	3	-	8

Filter strip post-construction.

Grassed waterway post-construction.

17-11 (319) ST

Title: North Mill Creek Channel Restoration

Purpose: This project was Phase 2 of a recommendation in the watershed-based plan to abandon 53-acre Rasmussen Lake (IL_UGY) in an effort to protect and restore water quality in North Mill Creek (IL_GWA). Phase 1 (2014-2016) included partial draining of the lake through modification of the dam, leaving a 14-acre pool to capture sediment from the lake bed as approximately 4,000 linear feet of North Mill Creek reestablished itself. Phase 2 (2017 – 2019) included draining the remainder of Rasmussen Lake through the final modification of the dam, including the removal of the concrete spillway. A stable channel with pool/riffle sequence was created through the accumulated lake bed sediments to address the 6-foot elevation difference between the recently re-established creek bed (Phase 1) and the downstream reach of North Mill Creek. Stream channel and bank stabilization (6,300 feet) was put in place for the entire re-established length of North Mill Creek within the Rasmussen lake bed. Permanent vegetation was established on the slopes of the old lake and dam face and within the new stream riparian area.

Project Location: Lake County

Subgrantee: Lake County Forest Preserve District
1899 West Winchester Road
Libertyville, Illinois 60048-5367

Project Reports and Other Informational Materials:

"North Mill Creek Channel Restoration – Phase 2". August 29, 2019. Lake County Forest Preserve District.

BMP Implementation Summary:

			Estimated Load Reduction			
BMP Code	BMP Name	Amount	Sediment (tons/year)	Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
009	Stream Channel Restoration	8,300 ft.	55.7	56	-	111

North Mill Creek restoration pre-construction.

North Mill Creek restoration post-construction.

17-12 (319) CD

Title: Kinkaid Lake Gully & Shoreline Stabilization

Purpose: This project helped protect the beneficial uses of Kinkaid Lake (IL_RNC) from the impairments of nonpoint source (NPS) pollution. This project stabilized 1,704 feet of shoreline that were in areas of either high, moderate, or severe categories of erosion. The project also stabilized approximately 3,570 feet of gullies in close proximity to the lake.

Project Location: Jackson County

Subgrantee: Kinkaid-Reed's Creek Conservancy District
1763 Water Plant Road
Murphysboro, Illinois 62966

Project Reports and Other Informational Materials:

"Kinkaid Lake Gully and Shoreline Stabilization." June 2019. HMG Engineers Inc.

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction Sediment (tons/year)	Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
410	Grade Stabilization Structure	10 no.	845	845	-	1,689
580	Streambank and Shoreline Protection	1,704 ft.	579	579	-	1,159

Shoreline stabilization post-construction.

Gully stabilization post-construction.

17-13 (319) CD

Title: Welworth-Wentworth Bioretention Basin

Purpose: This project reduced stormwater volume and nonpoint source pollution discharged to Buckbee Creek, a tributary of the Rock River (IL_P-23), by constructing two connected bioretention basins (totaling 0.3 acres) at the intersection of Welworth and Wentworth Avenues in Rockford, Illinois. Stormwater from a residential neighborhood drains to the basins via sheet flow and roadside ditches. The basins were designed to filter, retain, and infiltrate stormwater. Construction of the bioswales included excavation, placement of engineered topsoil, the installation of native vegetation and wetland plantings, and a stormsewer to connect the two basins.

Project Location: Winnebago County

Subgrantee: Winnebago County Highway Department
424 North Springfield Avenue
Rockford, Illinois 61101

Project Reports and Other Informational Materials:

"The Final Report for the Welworth-Wentworth Bioretention Basin BMP." February 3, 2020. Winnebago County Highway Department.

BMP Implementation Summary:

			Estimated Load Reduction			
BMP Code	BMP Name	Amount	Sediment (tons/year)	Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
800	Urban Stormwater Wetlands	2 no.	-	13	5,800	91

West bioretention basin during construction.

West bioretention basin post-construction.

17-14 (319) ST

Title: Triangle Park Restoration Project

Purpose: This project implemented best management practices (BMPs) along an unnamed tributary of Prentiss Creek (IL_GBLA), which is a tributary of the East Branch of the DuPage River (IL_GBL-05), located within Triangle Park in Woodridge, Illinois. Approximately 1,080 feet of eroding streambank were stabilized using slope re-grading, stone toe protection, twelve (12) rock points, vegetation management (2 acres), native plant seeding, native plant plug installation, erosion control blanket, seven (7) rock riffle grade control structures, and three (3) rock overflow grade control structures. Approximately 0.71 acre of wetlands were restored adjacent to the stream channel through excavation and grading, installation of water level control structures, removal of invasive trees and shrubs, and installation of deep-rooted native vegetation. The project also included the installation of a 200-foot bioswale at the downstream portion of the stream between Triangle Park and 63rd Street and the establishment of 0.83 acres of filter strip in areas adjacent to the stream channel.

Project Location: DuPage County

Subgrantee: Woodridge Park District
2600 Center Drive
Woodridge, Illinois 60517

Project Reports and Other Informational Materials:

"Triangle Park Restoration Project." June 2019. Living Waters Consultants, Inc.

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction Sediment (tons/year)	Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
035	Buffer zone enhancement / installation	0.83 ac.	-	13	9,863	72
580	Streambank and Shoreline Protection	1,080 ft.	400	400	-	801
657	Wetland Restoration	0.71 ac.	-	64	60,786	213
814	Bioswale	0.14 ac.	-	14	9,864	73

Streambank stabilization pre-construction.

Streambank stabilization post-construction.

17-16 (319) SR

FEDERAL FISCAL YEAR 2018

Title: Flint Creek Dreamway Stream & Riparian Area Restoration Project

Purpose: This project stabilized approximately 3,165 feet of eroding streambank and stream channel on a segment of East Branch Flint Creek, which is a tributary of Flint Creek (IL_DTZS-01), located between Route 59 and Hart Road in Barrington, Illinois. Streambanks were stabilized through the installation of 23 in-stream riffles/cross vanes, selectively pulling back and grading sections of eroded bank, stabilizing with rock toe where necessary, and native vegetation. A 5.8-acre urban filter strip of native vegetation was planted adjacent to the stream. The project also included educational signage.

Project Location: Lake County

Subgrantee: Village of Barrington
200 South Hough Street
Barrington, Illinois 60010-4322

Project Reports and Other Informational Materials:

"Flint Creek Dreamway Stream & Riparian Area Restoration Project." August 31, 2020. Applied Ecological Services, Inc.

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	3,165 ft.	506	506	-	1,013
835	Urban Filter Strip	5.8 ac.	-	218	324,412	2,464


Streambank stabilization post-construction.


Streambank stabilization post-construction.

18-09 (319) SR

Title: Woods Creek Restoration Project – Phase 1

Purpose: This project implemented 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 approximately 2,300 feet of stream channel stabilization; 4,600 feet of streambank stabilization (both sides of the stabilized channel); and 30 acres of wetland and upland enhancement adjacent to the stream. The project included two informational signs.

Project Location: McHenry County

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

Project Reports and Other Informational Materials:

"Woods Creek Restoration Project - Phase 1 Section 319 Project Report." 2019/2020. HR Green, Inc.

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	4,600 ft.	401	401	-	802
584	Stream Channel Stabilization	2,300 ft.	-	-	-	-
880	Permanent Seeding	30.1 ac.	-	-	-	-


Streambank stabilization pre-construction.


Streambank stabilization post-construction.

18-13 (319) CD

Title: Keith Andres Memorial Park Stream Restoration Project

Purpose: This project stabilized approximately 4,000 feet of eroding streambank along both sides of a 2,000-foot segment of Lake Marian Creek, a tributary of the Fox River (IL_DT-20), in Keith Andres Memorial Park in Carpentersville, Illinois. Streambanks will be stabilized through the installation of 32 pool/riffle sequence grade control structures (cross vanes), removal of a section of failing concrete lined channel, re-grading, stone toe protection, raising the channel bottom in some places and lowering it in others to achieve a consistent slope, filling in the downstream braided section of channel to recreate a single channel with proper morphology, and restoring two acres of adjoining riparian woodland by removing non-native vegetation

(i.e. buckthorn) and performing long term stewardship. The project also included educational signage.

Project Location: Kane County

Subgrantee: Village of Carpentersville
1200 L.W. Besinger Drive
Carpentersville, Illinois 60110-2089

Project Reports and Other Informational Materials:

"Keith Andres Memorial Park - Summary Report - Lake Marian Creek Stabilization Project." August 26, 2020. Christopher B. Burke Engineering, Ltd.

BMP Implementation Summary:

			Estimated Load Reduction			
BMP Code	BMP Name	Amount	Sediment (tons/year)	Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
580	Streambank and Shoreline Protection	4,000 ft.	71	349	-	1,933

Streambank stabilization post-construction.

Streambank stabilization post-construction.

18-14 (319) SR

FEDERAL FISCAL YEAR 2019

Title: Lake Charleston Shoreline Stabilization Initiative

Purpose: This project stabilized 1,800 feet of severely eroding shoreline on the south end of Charleston Side Channel Reservoir (IL_RBC) and 400 feet on the north end of the lake using littoral area breakwater stabilization. The breakwater design was modified to incorporate a walking path on the south end of the lake to improve access.

Project Location: Coles County

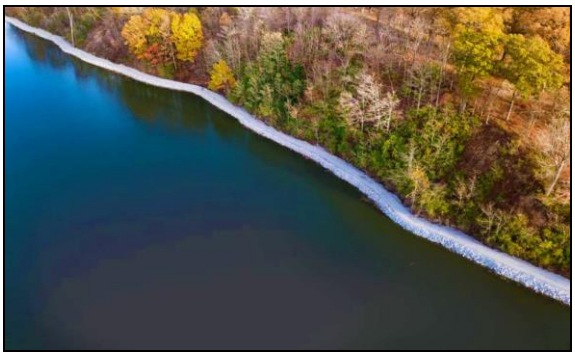
Subgrantee: City of Charleston
520 Jackson Avenue
Charleston, Illinois 61920

Project Reports and Other Informational Materials:

"Lake Charleston Shoreline Rip Rap Erosion Control Project." October 2019. City of Charleston.

BMP Implementation Summary:

			Estimated Load Reduction			
BMP Code	BMP Name	Amount	Sediment (tons/year)	Phosphorus (lbs/year)	TSS (lbs/year)	Nitrogen (lbs/year)
580	Streambank and Shoreline Protection	2,200 ft.	93.4	93	-	187



Shoreline stabilization post-construction.

Shoreline stabilization post-construction.

19-08 (319) ST

6. Open Section 319 Grants – Ongoing Projects

FEDERAL FISCAL YEAR 2016 (NPS PROGRAM FUNDS)

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: Multiple

Project Period: 08/01/16 through 03/31/21

Total Project Cost:	$150,000.00	**Cumulative Expenditure:**	$141,688.20
Federal:	$150,000.00	**Federal:**	$141,688.20
State and Local:	$0.00	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Bonpas Creek Stage 3 Report	06/30/19	Yes	
Prairie/Langan Stage 3 Report	01/01/18	Yes	
Galena/Sinsinawa River Stage 3 Report	06/01/18	Yes	
Horseshoe Lake Stage 3 Report	08/01/16	Yes	
Lake Springfield Stage 3 Report	09/01/17	Yes	
Little Vermilion River (LaSalle Co.) Stage 3 Report	05/01/18	Yes	
Middle Sangamon River Stage 3 Report	07/01/18	Yes	
Pecatonica River Stage 3 Report	07/01/18	Yes	
Rend Lake Stage 3 Report	09/01/17	Yes	
Upper Big Muddy River Stage 3 Report	06/30/19	Yes	
Upper LaMoine River Stage 3 Report	12/31/20	No	
LaMoine/Missouri Creek Stage 3 Report	06/30/19	Yes	
Upper Kaskaskia Stage 3 Report	06/30/19	Yes	
Lake Lou Yaeger Stage 3 Report	12/31/20	No	
Upper Fox/Chain O'Lakes Stage 3 Report	12/31/20	Yes	
Thorn Creek Stage 3 Report	12/31/20	No	
Chicago River-North Branch Stage 3 Report	06/31/20	Yes	
Upper Fox/Flint Creek Stage 3 Report	12/31/20	Yes	
DuPage River/Salt Creek Stage 3 Report	12/31/19	Yes	

Comments:

Project Reports and Other Informational Materials:

"Bonpas Creek Watershed TMDL Report." March 2019. Illinois EPA & LimnoTech.

“Prairie Creek/Langan Creek Watershed Implementation Plan.” January 2018. Illinois EPA & LimnoTech.

“Galena/Sinsinawa Rivers Watershed TMDL Report.” June 2018. Illinois EPA & CDM Smith.

“Horseshoe Lake (Alexander County) Watershed TMDL Report.” August 2016. Illinois EPA & LimnoTech.

“Lake Springfield and Sugar Creek Watershed TMDL Report.” September 2017. Illinois EPA & CDM Smith.

“Little Vermilion River (LaSalle County) TMDL Report.” May 2018. Illinois EPA & CDM Smith.

“Middle Sangamon River Watershed TMDL Report.” July 2018. Illinois EPA & CDM Smith.

“Pecatonica River Watershed TMDL Report.” July 2018. Illinois EPA & Tetra Tech.

“Rend Lake Watershed TMDL Report.” September 2017. Illinois EPA & CDM Smith.

“Upper Big Muddy River Watershed TMDL Report.” May 2019. Illinois EPA & LimnoTech.

“Upper Kaskaskia River Watershed TMDL Report.” September 2018. Illinois EPA & Tetra Tech.

“Upper Fox River/Chain O' Lakes Watershed TMDL Report.” June 2020. Illinois EPA & CDM Smith.

“North Branch Chicago River Watershed TMDL Report.” April 2020. Illinois EPA & CDM Smith.

“Upper Fox River/Flint Creek Watershed TMDL Report. June 2020. Illinois EPA & CDM Smith.

“DuPage River/Salt Creek Watershed TMDL Report.” September 2019. Illinois EPA & Tetra Tech.

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	No	
Upper Kaskaskia R./Lake Fork Stage 1 Report	06/30/19	Yes	
Upper Kaskaskia R./Lake Fork Stage 3 Report	03/31/22	No	
Middle Kaskaskia R./Carlyle Lake Stage 1 Report	06/30/19	Yes	
Middle Kaskaskia R./Carlyle Lake Stage 3 Report	03/31/22	No	
LaMoine River-East Fork Stage 1 Report	06/30/19	Yes	
LaMoine River-East Fork Stage 3 Report	03/31/22	No	
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	No	
Crooked Creek/Lost Creek Stage 1 Report	06/30/19	Yes	
Crooked Creek/Lost Creek Stage 3 Report	03/31/22	No	
Shoal Creek Stage 1 Report	06/30/19	Yes	
Shoal Creek Stage 3 Report	03/31/22	No	
Lower Kaskaskia R./Doza Creek Stage 1 Report	06/30/19	Yes	
Lower Kaskaskia R./Doza Creek Stage 3 Report	03/31/22	No	

Comments:

Project Reports and Other Informational Materials:

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

Title: Illinois Nutrient Loss Reduction Strategy Implementation: Coordination of Watershed Scale Programs and Development of Agricultural Water Quality Team

Purpose: This project provides funding to the University of Illinois Extension to hire two watershed coordinators (Coordinators) to conduct outreach and education to stakeholders in the *Illinois Nutrient Loss Reduction Strategy* (NLRS) priority watersheds. One Coordinator will be placed in the Effingham, Illinois Extension office and work in the Embarrass River and Little Wabash River phosphorus priority watersheds. The other Coordinator will be placed in the Galva, Illinois Extension office and will work in the Flint/Henderson and Lower Rock River nitrate priority watersheds. Coordinators will assist in technical assistance, watershed planning, monitoring, education/outreach, and implementation tracking during the course of the project. Technical assistance will be provided to entities that are either undertaking watershed-based planning initiatives or implementation of Illinois EPA-approved watershed-based plans. The Coordinators will promote and review individual planning and implementation activities for consistency with the goals of the NLRS and the NPS Program. Funding for this project will not be used to implement best management practices (BMPs) but it will be used to help document those BMPs that are implemented or proposed for implementation by others in NLRS nonpoint source priority watersheds. Deliverables include Annual Education and Outreach Plans, Watershed-based plans, and Annual Reports. Coordinators are also required to submit a minimum of two grant applications annually to provide for watershed planning or implementation. An Ag Water Quality Science Team will be established to provide technical support to the Coordinators and develop and administer a process for updating BMPs and BMP effectiveness for the Strategy.

NPS Program: All Sources

Project Location: Statewide

Waterbody Name (ID): Multiple

Subgrantee: University of Illinois Extension

Project Period: 08/01/17 through 03/31/21

Total Project Cost:	$708,630.00	**Cumulative Expenditure:**	$466,142.31
Federal:	$0.00	**Federal:**	$0.00
State and Local:	$708,630.00	**State and Local:**	$466,142.31

Project Milestone	Completion Date	Completed Yes/No	Comments
Hire Watershed Coordinators	12/31/17	Yes	
Final Annual Education & Outreach Report Year 1	10/15/18	Yes	
Final Annual Education & Outreach Report Year 2	10/15/19	Yes	
Final Annual Education & Outreach Report Year 3	10/15/20	No	
Convene and Interact with Local Watershed Groups	Ongoing	Yes	
Grant Writing Year 2	12/31/19	Yes	
Grant Writing Year 3	12/31/20	Yes	
Establish 1st Watershed Group	01/01/19	Yes	
Establish 2nd Watershed Group	01/01/20	Yes	
BMP Implementation (Technical Assistance)	Ongoing	Yes	

Project Milestone	Completion Date	Completed Yes/No	Comments
BMP Tracking Tool	07/01/18	Yes	
BMP Tracking	Ongoing	Yes	
Final Annual Report Year 1	09/15/18	Yes	
Final Annual Report Year 2	09/15/19	Yes	
Final Annual Report Year 3	09/15/20	No	

Comments:

Project Reports and Other Informational Materials:

FEDERAL FISCAL YEAR 2016 (WATERSHED PROJECT FUNDS)

Title: Nippersink Creek Watershed Plan Implementation

Purpose: This project will construct best management practices (BMP) in the Nippersink Creek (IL_DTK-06) watershed. The Bahcall Parcel component will stabilize 100 feet of eroding streambank and 2,450 feet of eroding stream channel on an unnamed tributary of Nippersink Creek through the installation of 44 riffles for grade control and 0.75 acres of critical area planting. The May Parcel component will stabilize 100 feet of eroding streambank and 1,740 feet of eroding stream channel on an unnamed tributary of Nippersink Creek through the installation of 30 riffles for grade control and 1 acre of critical area planting. The Wonder Lake -Troy Creek Inlet Stabilization component will stabilize 800 feet of eroding streambank on Troy Creek, a tributary of Wonder Lake (IL_RTZC), and 300 feet of eroding shoreline on Wonder Lake through rip rap and a 0.1 acre buffer of native vegetation. The Nippersink - Wonder Lake Shoreline Stabilization component will stabilize 575 feet of eroding shoreline on Wonder Lake through rip rap and a 0.1 acre buffer of native vegetation. The Wonder Lake Island Stabilization component will stabilize 1,300 feet of eroding shoreline on two small islands on Wonder Lake through rip rap and wetland plantings. The Keibler Parcel component will stabilize 1,640 feet of eroding Nippersink Creek, create 35 acres of riparian buffer, enhance 9 acres of wetland vegetation, and decommission 180 linear feet of drain tiles that do not have off-site connections, and includes a permanent conservation easement on 72 acres. The Perricone Parcel component will convert 7.5 acres of cropland to riparian buffer and stabilize 800 feet of eroding Nippersink Creek using toe stone protection. The Wonder Center Shoreline component will stabilize 130 feet of eroding shoreline on Wonder Lake through rip rap and a buffer of native vegetation. The Merchant Creek component will stabilize 500 feet of eroding stream channel on Merchant Creek, a tributary to Wonder Lake, through the installation of 4 riffles for grade control. The Twin Creek component will retrofit two (2) existing detention basis through the conversion of 0.65 acres of turf grass to wetland vegetation.

NPS Program: Hydrologic Modification

Project Location: McHenry County

Waterbody Name (ID): Nippersink Creek (IL_DTK-06) & Wonder Lake (IL_RTZC)

Subgrantee: Nippersink Watershed Association
7602 Hancock Drive
Wonder Lake, Illinois 60097

Project Period: 08/15/16 through 07/15/20

Total Project Cost:	$1,412,833.00	**Cumulative Expenditure:**	$1,436,741.74
Federal:	$847,700.00	**Federal:**	$812,941.74
State and Local:	$565,133.00	**State and Local:**	$623,800.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Easement	07/01/17	Yes	
Executed Easement	09/01/17	Yes	
Submit Easement Holder, Value, etc.	09/30/17	Yes	
Draft Design Specifications	07/10/19	Yes	
Final Design Specifications	07/10/19	Yes	
Permits & Landowner Agreements	07/10/19	Yes	
Draft Operation & Maintenance Plan	07/10/19	Yes	
Final Operation & Maintenance Plan	07/10/19	Yes	
Design Implementation	05/30/20	Yes	
Photo Documentation of Implementation	05/30/20	Yes	
Draft Watershed Resource Inventory	04/15/20	Yes	
Final Watershed Resource Inventory	05/15/20	Yes	Under IEPA Review
Project Sign Design	03/31/17	Yes	
Install Project Sign	08/30/19	Yes	
Draft Project Report	01/31/20	Yes	
Final Project Report	06/15/20	Yes	Under IEPA Review

Comments:

Project Reports and Other Informational Materials:

DRAFT – Final Report for Nippersink Creek Watershed Plan Implementation (1/31/2020)

FEDERAL FISCAL YEAR 2017 (NPS PROGRAM FUNDS)

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	No	
Kickapoo Creek Stage 3 Report	TBD	No	
Big Creek Stage 1 Report	12/31/20	No	
Big Creek Stage 3 Report	TBD	No	
Big Ditch Stage 1 Report	12/31/20	No	
Big Ditch Stage 3 Report	TBD	No	
Saline Branch Stage 1 Report	12/31/20	No	
Saline Branch Stage 3 Report	TBD	No	
Little Wabash River\Green Creek Stage 1 Report	12/31/20	No	
Little Wabash River\Green Creek Stage 3 Report	TBD	No	
Salt Creek Stage 1 Report	12/31/20	No	
Salt Creek Stage 3 Report	TBD	No	
Rock River\Pierce Lake Stage 1 Report	12/31/20	No	
Rock River\Pierce Lake Stage 3 Report	TBD	No	
Kyte River Stage 1 Report	12/31/20	No	
Kyte River Stage 3 Report	TBD	No	

Comments:

Project Reports and Other Informational Materials:

All stage 3 projects will be completed by 12/31/2025.

17-0 (319) AH (WLP20402)

Title: Illinois Nutrient Loss Reduction Strategy Implementation: Coordination of Watershed Scale Programs and Development of Agricultural Water Quality Team

Purpose: This project provides funding to the University of Illinois Extension to hire two watershed coordinators (Coordinators) to conduct outreach and education to stakeholders in the *Illinois Nutrient Loss Reduction Strategy* (NLRS) priority watersheds. One Coordinator will be placed in the Effingham, Illinois Extension office and work in the Embarrass River and Little Wabash River phosphorus priority watersheds. The other Coordinator will be placed in the Galva, Illinois Extension office and will work in the Flint/Henderson and Lower Rock River nitrate priority watersheds. Coordinators will assist in technical assistance, watershed planning, monitoring, education/outreach, and implementation tracking during the course of the project. Technical assistance will be provided to entities that are either undertaking watershed-based planning initiatives or implementation of Illinois EPA-approved watershed-based plans. The Coordinators will promote and review individual planning and implementation activities for consistency with the goals of the NLRS and the NPS Program. Funding for this project will not be used to implement best management practices (BMPs) but it will be used to help document those BMPs that are implemented or proposed for implementation by others in NLRS nonpoint source priority watersheds. Coordinators are also required to submit a minimum of two grant applications annually to provide for watershed planning or implementation. An Ag Water Quality Science Team will be established to provide technical support to the Coordinators and develop and administer a process for updating BMPs and BMP effectiveness for the Strategy.

NPS Program: All Sources

Project Location: Statewide

Waterbody Name (ID): Multiple

Subgrantee: University of Illinois Extension

Project Period: 04/01/21 through 03/31/22

Total Project Cost:	$650,000.00	**Cumulative Expenditure:**	$0.00
Federal:	$0.00	**Federal:**	$0.00
State and Local:	$650,000.00	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Final Annual Education & Outreach Report Year 4	10/15/21	No	
Convene & Interact with Local Watershed Groups	Ongoing	No	
Grant Writing Year 3	12/31/21	No	
BMP Implementation (Technical Assistance)	Ongoing	No	
BMP Tracking	Ongoing	No	
Final Annual Report Year 4	09/15/21	No	

Comments:

Project Reports and Other Informational Materials:
17-02 (319) TS (WDS18107)

Title: Streambank Cleanup And Lakeshore Enhancement (SCALE)

Purpose: The Streambank Cleanup And Lakeshore Enhancement program provides funds to assist groups that have established a recurring streambank or lakeshore cleanup to hold a cleanup event. Groups can receive up to $3,500 for implementation of their cleanup events. No local match is required to be provided by the sub-recipients. SCALE was specifically created to assist with litter collection and disposal in and along Illinois water resources. Funds can be used for safety attire (includes gloves and vests), litterbags, event promotions, logistical needs, and dumpster or landfill fees.

NPS Program: Hydrologic Modification

Project Location: Statewide

Waterbody Name (ID): Not Applicable

Subgrantee: Not Applicable

Project Period: TBD through TBD

Total Project Cost:	$90,000.00	**Cumulative Expenditure:**	$0.00
Federal:	$90,000.00	**Federal:**	$0.00
State and Local:	$0.00	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Application Submittal - Year 1	TBD	No	
Project Selection - Year 1	TBD	No	
Application Submittal - Year 2	TBD	No	
Project Selection - Year 2	TBD	No	
Final Report	TBD	No	

Comments: SCALE is no longer a viable project due to the Illinois Grant Accountability and Transparency (GATA) Act requirements. Illinois EPA will rescope the FY17 Work Plan to address this situation

Project Reports and Other Informational Materials:

FEDERAL FISCAL YEAR 2017 (WATERSHED PROJECT FUNDS)

Title: Lake County Countywide BMP Implementation Program

Purpose: This project will install best management practices (BMPs) in the Bull Creek (IL_GV-01) and Mill Creek (IL_GW-01) watersheds to reduce nonpoint source pollution. The Bull Creek Headwaters Restoration project component will convert 34 acres of row crop to permanent vegetative cover, restore 10 acres of wetland through the decommissioning of 6,250 feet of agricultural field tile lines and seeding with wet prairie plants, and stabilize eroding gullies through the installation of 34,506 square feet of bioswale (2,300 linear feet) planted with deep-rooted native vegetation and 13 grade stabilization structures (11 rock check dams and 2 berms). The Bull Creek Streambank Restoration project component will stabilize approximately 6,000 feet of eroding streambank along both sides of two segments (totaling 3,000 feet in length) of Bull Creek through the removal of log jams and invasive trees and brush, planting native seed, and installation of 1,350 feet of stone toe protection. The Chesapeake Landing Pond 2 Shoreline Restoration project component will stabilize approximately 1,325 linear feet of eroding shoreline and establish a 0.5 acre buffer of native vegetation around an existing wet detention basin (Chesapeake Landing Pond 2) in Grayslake, Illinois.

NPS Program: Urban Runoff & Hydrologic Modification

Project Location: Lake County

Waterbody Name (ID): Bull Creek (IL_GV-01), Third Lake (IL_RGW), Mill Creek (IL_GW-02).

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

Project Period: 07/15/17 through 07/15/20

Total Project Cost:	$691,818.00	**Cumulative Expenditure:**	$1,377,775.75
Federal:	$363,962.00	**Federal:**	$363,962.00
State and Local:	$327,855.00	**State and Local:**	$1,013,813.75

Project Milestone	Completion Date	Completed Yes/No	Comments
LIBERTY TOWNSHIP			
Draft Design Specifications	03/31/18	Yes	
Final Design Specifications	06/15/18	Yes	
Permits & Agreements	06/30/18	Yes	
Draft Operation & Maintenance Plan	03/31/18	Yes	
Final Operation & Maintenance Plan	06/15/18	Yes	
Design Implementation	12/31/19	Yes	
Photo Documentation of Implementation	12/31/19	Yes	
VILLAGE OF LIBERTYVILLE			
Draft Design Specifications	12/31/18	Yes	
Final Design Specifications	06/15/19	Yes	
Permits & Agreements	07/01/19	Yes	
Draft Operation & Maintenance Plan	12/31/18	Yes	
Final Operation & Maintenance Plan	06/15/19	Yes	

Design Implementation	06/15/20	Yes	
Photo Documentation of Implementation	06/15/20	Yes	

Project Milestone	Completion Date	Completed Yes/No	Comments
GRAYSLAKE COMMUNITY PARK DISTRICT			
Draft Design Specifications	03/31/18	Yes	
Final Design Specifications	06/15/18	Yes	
Permits & Agreements	06/30/18	Yes	
Draft Operation & Maintenance Plan	03/31/18	Yes	
Final Operation & Maintenance Plan	06/15/18	Yes	
Design Implementation	09/30/19	Yes	
Photo Documentation of Implementation	10/31/19	Yes	
Draft Education Strategy	10/31/17	Yes	
Final Education Strategy	13/31/17	Yes	
Complete Implementation of Education Strategy	05/30/20	Yes	
Project Sign Design	09/30/17	Yes	
Install Project Sign	09/30/19	Yes	
Draft Project Report	11/30/19	Yes	
Final Project Report	06/30/20	Yes	

Comments: The project is complete.

Project Reports and Other Informational Materials:

Lake County Countywide BMP Implementation Program Final Report (FAA # 3191715) 7/30/2020

FEDERAL FISCAL YEAR 2018 (NPS PROGRAM FUNDS)

Title: Technical Assistance for the Coastal Clean Waters Program

Purpose: This project will allow the Illinois Department of Natural Resources' Coastal Management Program, in cooperation with the Prairie Research Institute at the University of Illinois, to hire of a full time staff member to develop and implement the Coastal Clean Waters Program. This position will provide support and technical assistance to the Coastal Management Program regarding coastal management issues, watershed management, and nonpoint source pollution. The primary responsibility of this person will be to address unapproved management measures in Illinois' Coastal Nonpoint Pollution Control Program, required under Section 6217 of the Coastal Zone Act Reauthorization Amendments of 1990, and initiate program implementation. This will include collecting and analyzing technical information about existing laws, policies, programs and initiatives at the local, regional, state, and federal scale; assessing how the existing framework meets required management measures; developing policy and program recommendations; creating and compiling submissions for USEPA and NOAA; and initiating development of a fifteen-year strategy and five-year coastal nonpoint implementation plan.

NPS Program: All Sources

Project Location: Lake and Cook Counties

Waterbody Name (ID): Multiple

Subgrantee: Illinois Department of Natural Resources
Coastal Management Program
160 N. LaSalle S-703
Chicago, Illinois 60601

Project Period: TBD through TBD

Total Project Cost:	$100,000.00	**Cumulative Expenditure:**	$0.00
Federal:	$100,000.00	**Federal:**	$0.00
State and Local:	$0.00	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Quarterly Progress Report	TBD	No	
Quarterly Progress Report	TBD	No	
Quarterly Progress Report	TBD	No	
Quarterly Progress Report	TBD	No	
Quarterly Progress Report	TBD	No	
Quarterly Progress Report	TBD	No	
Quarterly Progress Report	TBD	No	

Comments: This grant agreement will not be executed. The subgrantee declined the award. A rescope of the FY18 Work Plan will be submitted to US EPA for review and approval.

Project Reports and Other Informational Materials:
18-01 (319) CD

Title: Total Maximum Daily Load Development

Purpose: Working with selected vendors/consultants will developed TMDLs to address impairments listed on Illinois' 303(d) List of Impaired Waters. TMDLs will be selected using the protocol outlined in the Agencies Integrated Report (2016) with impairments to Public Water Supplies being the highest priority. 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:	$800,000.00	**Cumulative Expenditure:**	$0.00
Federal:	$0.00	**Federal:**	$0.00
State and Local:	$800,000.00	**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:

Title: Illinois Nutrient Loss Reduction Strategy Implementation: Coordination of Watershed Scale Programs and Development of Agricultural Water Quality Team

Purpose: This project provides funding to the University of Illinois Extension to hire two watershed coordinators (Coordinators) to conduct outreach and education to stakeholders in the *Illinois Nutrient Loss Reduction Strategy* (NLRS) priority watersheds. One Coordinator will be placed in the Effingham, Illinois Extension office and work in the Embarrass River and Little Wabash River phosphorus priority watersheds. The other Coordinator will be placed in the Galva, Illinois Extension office and will work in the Flint/Henderson and Lower Rock River nitrate priority watersheds. Coordinators will assist in technical assistance, watershed planning, monitoring, education/outreach, and implementation tracking during the course of the project. Technical assistance will be provided to entities that are either undertaking watershed-based planning initiatives or implementation of Illinois EPA-approved watershed-based plans. The Coordinators will promote and review individual planning and implementation activities for consistency with the goals of the NLRS and the NPS Program. Funding for this project will not be used to implement best management practices (BMPs) but it will be used to help document those BMPs that are implemented or proposed for implementation by others in NLRS nonpoint source priority watersheds. Coordinators are also required to submit a minimum of two grant applications annually to provide for watershed planning or implementation. An Ag Water Quality Science Team will be established to provide technical support to the Coordinators and develop and administer a process for updating BMPs and BMP effectiveness for the Strategy.

NPS Program: All Sources

Project Location: Statewide

Waterbody Name (ID): Multiple

Subgrantee: University of Illinois Extension

Project Period: 04/01/22 through 06/30/23

Total Project Cost:	$175,115.00	**Cumulative Expenditure:**	$0.00
Federal:	$0.00	**Federal:**	$0.00
State and Local:	$175,115.00	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Convene & Interact with Local Watershed Groups	Ongoing	No	
BMP Implementation (Technical Assistance)	Ongoing	No	
BMP Tracking	Ongoing	No	
Develop Watershed-Based Plans (two)	06/30/23	No	
Project Evaluation and Final Report	06/30/23	No	

Comments:

Project Reports and Other Informational Materials:

Title: Illinois Nutrient Loss Reduction Strategy Implementation

Purpose: This project will continue execution of a plan for implementing the *Illinois Nutrient Loss Reduction Strategy* (NLRS) (July 22, 2015).

NPS Program: All Sources

Project Location: Statewide

Waterbody Name (ID): Not Applicable

Subgrantee: University of Illinois Extension

Project Period: 03/01/19 through 03/01/21

Total Project Cost:	$443,026.00	**Cumulative Expenditure:**	$0.00
Federal:	$0.00	**Federal:**	$0.00
State and Local:	$443,026.00	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Facilitate meetings, prepare agendas and minutes	Ongoing	Yes	
Annual Conference (2019)	11/30/19	Yes	
Annual Workshop	11/30/20	No	
Create 2019 NLRS Biennial Report	11/30/19	Yes	
Coordinate with Steering Committee	Ongoing	Yes	
Provide resources and tools for Work Groups	Ongoing	Yes	
Seek additional funding/grant proposals	Ongoing	Yes	
Focus efforts on Urban Stormwater Sector	Ongoing	Yes	

Comments:

Project Reports and Other Informational Materials:

Title: Nonpoint Source Pollution Management Workshop

Purpose: Illinois EPA will host a statewide Biennial Nonpoint Source (NPS) Pollution Management Workshop for Illinois EPA staff and local, state, and federal partners to interact with those groups and individuals that are committed to reducing NPS pollution to Illinois water resources. The biennial workshops alternate between rural and urban agendas. This workshop will focus on urban issues and will include components that present information on topics such as development and implementation of watershed-based plans, nutrient reduction, and partner programs. The workshop will also present best management practice (BMP) technologies and application, and the use of water quality and technology-based tools for NPS pollution control. The workshop will be designed to capture stakeholder and partner needs in regard to Illinois' NPS Management Program to be used in the NPS Management Program Feedback Loop.

NPS Program: All Categories

Project Location: Statewide

Waterbody Name (ID): Not Applicable

Subgrantee: TBD

Project Period: TBD through TBD

Total Project Cost:	$50,000.00	**Cumulative Expenditure:**	$0.00
Federal:	$0.00	**Federal:**	$0.00
State and Local:	$50,000.00	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Hold Workshop	TBD	No	
Workshop Evaluation	TBD	No	

Comments: This grant agreement has not yet been executed. This project has been impacted by GATA and by COVID-19.

Project Reports and Other Informational Materials:

Title: Upper South Branch Kishwaukee River Watershed Improvement Plan

Purpose: This project will develop a watershed-based plan for the 98.8 square mile South Branch Kishwaukee River (IL_PQC-02) watershed (HUC 070900060601, 070900060602 and 070900060603). The plan 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) and current watershed planning principles. The project will include a local stakeholder committee, technical advisory committee, state and federal partners, and a consultant.

NPS Program: All Sources

Project Location: DeKalb County

Waterbody Name (ID): South Branch Kishwaukee River (IL_PQC-02)

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

Project Period: 11/15/18 through 02/28/21

Total Project Cost:	$144,725.00	**Cumulative Expenditure:**	$123,533.82
Federal:	$86,835.00	**Federal:**	$74,120.30
State and Local:	$57,890.00	**State and Local:**	$49,413.52

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Watershed Resource Inventory	06/30/19	Yes	
Final Watershed Resource Inventory	04/30/20	Yes	
Draft Watershed-based Plan	06/30/20	Yes	
Final Watershed-based Plan	10/31/20	Yes	Under IEPA Review
Draft Executive Summary	06/30/20	Yes	
Final Executive Summary	10/31/20	No	
Draft Self-Assessment of Plan	06/30/20	Yes	
Final Self-Assessment of Plan	10/31/20	No	
Draft Training & Education Strategy	01/31/19	Yes	
Final Training & Education Strategy	09/30/19	Yes	
Draft Project Report	06/30/20	Yes	Under IEPA Review
Final Project Report	10/31/20	No	

Comments:

Project Reports and Other Informational Materials:

FINAL DRAFT - Upper South Branch Kishwaukee River Watershed Improvement Plan – October 2020

Title: Lake Michigan Watershed-based Planning Project

Purpose: This project will develop a watershed-based plan for the northern Lake Michigan watershed (that part of HUC 040400020501 located within Illinois and that part of HUC 040400020502 north of Tower Road in Winnetka, Illinois) that is designed to improve water quality by controlling nonpoint source pollution. The northern Lake Michigan watershed-based plan will be developed by updating existing plans for three sub-watersheds (Kellogg Creek, Dead River, and Waukegan River), completing the elements of a watershed-based plan for the remaining areas, and integrating all the information into a single unified watershed-based plan for the entire planning area of the northern Lake Michigan watershed. This unified plan will meet the criteria for watershed-based planning developed by USEPA and follow Illinois EPA guidelines for the development of watershed-based plans. The northern Lake Michigan watershed-based plan will assess the watershed's nonpoint source pollution loads, determine problem areas, recommend best management practices, and provide an implementation plan to alleviate water quality impairments.

NPS Program: All Sources

Project Location: Lake and Cook Counties

Waterbody Name (ID): Lake Michigan

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

Project Period: 11/01/18 through 12/31/20

Total Project Cost:	$52,000.00	**Cumulative Expenditure:**	$0.00
Federal:	$30,000.00	**Federal:**	$0.00
State and Local:	$22,000.00	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Watershed Resource Inventory	06/30/20	No	
Final Watershed Resource Inventory	07/31/20	No	
Draft Watershed-based Plan	08/31/20	No	
Final Watershed-based Plan	11/30/20	No	
Draft Executive Summary	09/30/20	No	
Final Executive Summary	11/30/20	No	
Self-Assessment of Plan	08/31/20	No	

Comments: This project was delayed as all Commission staff were reassigned to COVID-19 mission work. The Commission has requested a no-cost time extension. The Commission plans to subaward some of the work if possible. If not, the Commission will do the work themselves. The project schedule will be updated in the next progress report

Project Reports and Other Informational Materials:

Title: South Fork Kent Creek Watershed Plan Development

Purpose: This project will develop a watershed-based plan for the South Fork Kent Creek (IL_PSA) watershed (a 7,400-acre portion of HUC 070900050106) that is designed to improve water quality by controlling nonpoint source pollution. The plan will be consistent with USEPA watershed-based plan guidance. South Fork Kent Creek (IL_PSA) is a tributary to Kent Creek (IL_PS), which is tributary of the Rock River (IL_P-23). A watershed-based plan for the South Fork Kent Creek watershed will assess the watershed's nonpoint source pollution loads to its waters, determine problem areas, recommend best management practices, and provide an implementation plan to alleviate water quality impairments and problems.

NPS Program: All Sources

Project Location:

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

Subgrantee: Rockford Park District
401 South Main Street
Rockford, Illinois 61101

Project Period: 12/01/18 through 12/31/20

Total Project Cost:	$111,983.00	**Cumulative Expenditure:**	$129,515.12
Federal:	$67,189.00	**Federal:**	$ 60,949.44
State and Local:	$44,794.00	**State and Local:**	$ 68,645.68

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Watershed Resource Inventory	12/31/19	Yes	
Final Watershed Resource Inventory	01/01/20	Yes	
Draft Watershed-based Plan	08/30/20	Yes	
Final Watershed-based Plan	12/31/20	No	
Draft Executive Summary	08/30/20	Yes	
Final Executive Summary	12/31/20	No	
Self-Assessment of Plan	12/31/20	No	

Comments:

Project Reports and Other Informational Materials:

Title: Highland Silver Lake Watershed BMP Implementation

Purpose: This project will implement best management practices (BMPs) in the Highland Silver Lake (IL_ROZA) watershed (HUC 071402040401 & 071402040402) to reduce nonpoint source pollution. BMPs implemented under this project will include approximately 400 acres of cover crops; 10 acres of grassed waterway; nutrient management plans written and implemented on 800 acres of cropland; 2,200 feet of shoreline stabilization; 1,500 feet of stream channel stabilization; 600 feet of streambank stabilization; 15,000 feet of water and sediment control basins; 20 acres of woodland improvement, and 4 acres of ponds/wetlands. The project includes an educational component involving meetings, workshops, brochure, and mailings.

NPS Program: Agriculture & Hydrologic Modification

Project Location: Bond and Madison Counties

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

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

Project Period: 11/15/18 through 09/30/21

Total Project Cost:	$859,250.00	**Cumulative Expenditure:**	$598,452.14
Federal:	$487,087.00	**Federal:**	$359,069.67
State and Local:	$372,163.00	**State and Local:**	$239,382.47

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	03/01/21	No	
Final Design Specifications	04/01/21	No	
Draft Permits & Landowner Agreements	03/01/21	No	
Final Permits & Landowner Agreements	04/01/21	No	
Design Implementation	06/01/21	No	
Photographic Documentation of Construction	07/01/21	No	
Draft Woodland Improvement Strategy	05/01/20	Yes	
Final Woodland Improvement Strategy	06/01/20	Yes	
Draft Information & Outreach Program	07/01/19	Yes	
Final Information & Outreach Program	07/01/21	Yes	
Project Sign Designs	02/01/19	Yes	
Install Project Signs	06/01/21	No	
Draft O & M Plan	05/01/20	No	
Final O & M Plan	06/01/20	No	
Draft Project Report	06/01/21	No	
Final Project Report	09/01/21	No	

Comments:

Project Reports and Other Informational Materials:

FEDERAL FISCAL YEAR 2018 (WATERSHED PROJECT FUNDS)

Title: 7th Avenue Creek Stream Restoration Project

Purpose: This project will stabilize 4,082 linear feet of streambank along 7th Avenue Creek, a tributary of the Fox River (IL_DT-58), located in St. Charles, Illinois. To stabilize both banks of a 1,870-foot segment of 7th Avenue Creek north of Washington Avenue, a two-stage ditch will be installed along with sixteen (16) cross vane weirs, stone toe protection, twelve (12) stream meanders, and native vegetation. A 2.9-acre urban filter strip of native vegetation and 35 native floodplain trees will also be planted adjacent to the stream. The project also includes two (2) educational signs to educate residents about the project and its water quality and related benefits.

NPS Program: Urban Runoff & Hydrologic Modification

Project Location: Kane County

Waterbody Name (ID): 7th Avenue Creek & Fox River (IL_DT-58)

Subgrantee: City of St. Charles
2 East Main Street
St. Charles, Illinois 60174-1984

Project Period: 12/01/18 through 11/30/21

Total Project Cost:	$2,017,667.00	**Cumulative Expenditure:**	$338,655.50
Federal:	$1,210,600.00	**Federal:**	$179,962.68
State and Local:	$807,067.00	**State and Local:**	$158,692.82

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	02/01/20	Yes	
Final Design Specifications	12/01/20	No	
Draft Permits & Landowner Agreements	02/01/20	No	
Final Permits & Landowner Agreements	12/01/20	No	
Design Implementation	10/01/21	No	
Photographic Documentation of Construction	10/15/21	No	
Plan for Educational Signs	12/01/20	No	
Install Educational Signs	02/01/21	No	
Project Sign Designs	12/01/20	No	
Install Project Signs	02/01/21	No	
Draft O & M Plan	12/01/20	Yes	
Final O & M Plan	10/15/21	No	
Draft Project Report	10/15/21	No	
Final Project Report	11/01/21	No	

Comments:

Project Reports and Other Informational Materials:

Title: Lake Lou Yaeger Watershed Implementation Project

Purpose: In order to reduce the sediment and nutrient load entering Lake Lou Yaeger, the City is proposing to construct three best management practices, including construction of two sediment ponds and approximately 1,800 linear feet of shoreline erosion remediation. The projects will improve the Lake Lou Yaeger ecosystem and reduce the nutrient load into the Gulf of Mexico.

NPS Program: Agriculture & Hydrologic Modification

Project Location: Montgomery County

Waterbody Name (ID): Lake Lou Yaeger (IL_RON)

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

Project Period: 12/01/18 through 11/30/20

Total Project Cost:	$963,263.00	**Cumulative Expenditure:**	$244,910.47
Federal:	$577,958.00	**Federal:**	$146,946.26
State and Local:	$385,305.00	**State and Local:**	$ 97,964.19

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	06/01/19	Yes	
Final Design Specifications	09/01/19	Yes	
Draft Permits & Landowner Agreements	11/01/19	Yes	
Final Permits & Landowner Agreements	12/01/19	Yes	
Design Implementation	11/01/20	No	In Progress
Photographic Documentation of Construction	11/30/20	No	
Project Sign Designs	08/01/19	Yes	
Install Project Signs	11/01/20	No	In Progress
Draft O & M Plan	06/01/20	Yes	
Final O & M Plan	07/01/20	Yes	
Draft Project Report	11/01/20	No	
Final Project Report	11/30/20	No	

Comments:

Project Reports and Other Informational Materials:

Title: North Branch Chicago River Watershed Based Plan Update

Purpose: This project will implement the 2008 North Branch Chicago River Watershed-Based Plan (which covers HUCs 071200030101, 071200030102, & 071200030103) by developing an updated watershed-based plan, that is designed to improve water quality by controlling nonpoint source pollution. The North Branch Chicago River watershed-based 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), Chicago Metropolitan Agency for Planning's "Guidance for Developing Watershed Action Plans in Illinois" dated June 2007, and current watershed planning principles. A bioassessment monitoring program establishing baseline levels for biological, habitat, and water and sediment chemistry parameters.

NPS Program: All Sources

Project Location: Lake and Cook Counties

Waterbody Name (ID): North Branch Chicago River

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

Project Period: 11/15/18 through 03/31/21

Total Project Cost:	$155,070.00	**Cumulative Expenditure:**	$240,334.13
Federal:	$69,670.00	**Federal:**	$62,703.00
State and Local:	$85,400.00	**State and Local:**	$177,631.13

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Watershed Resource Inventory	03/31/20	Yes	
Final Watershed Resource Inventory	09/30/20	Yes	Under IEPA Review
Draft Watershed-based Plan	09/30/20	No	
Final Watershed-based Plan	11/23/20	No	
Draft Executive Summary	09/30/20	No	
Final Executive Summary	11/23/20	No	
Draft Self-Assessment of Plan	09/30/20	No	
Final Self-Assessment of Plan	11/23/20	No	
Approved QAPP	12/01/18	Yes	
Draft Bioassessment Monitoring Strategy	12/14/18	Yes	
Final Bioassessment Monitoring Strategy	01/30/19	Yes	
Implement Bioassessment Monitoring Strategy	10/30/20	No	
Submit Data	12/31/20	No	
Draft Project Report	10/30/20	No	
Final Project Report	12/31/20	No	

Comments: This project has been slightly delayed by COVID-19.

Project Reports and Other Informational Materials:

Title: Otter Lake Watershed Plan Implementation

Purpose: This project will stabilize approximately 8,432 feet of eroding shoreline on Otter Lake (IL_RDF) in Macoupin County, Illinois. The eroding shorelines will be stabilized using stone riprap lean revetments or off-shore breakwater structures with transitional wetlands.

NPS Program: Hydrologic Modification

Project Location: Macoupin County

Waterbody Name (ID): Otter Lake (IL_RDF)

Subgrantee: Otter Lake Water Commission
6475 West Montgomery Road
Post Office Box 468
Virden, Illinois 62690

Project Period: 12/01/18 through 11/30/20

Total Project Cost:	$347,174.00	**Cumulative Expenditure:**	$216,639.62
Federal:	$208,305.00	**Federal:**	$129,983.78
State and Local:	$138,869.00	**State and Local:**	$86,655.84

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	06/01/19	Yes	
Final Design Specifications	07/01/19	Yes	
Draft Permits and Landowner Agreements	06/01/19	Yes	
Final Permits and Landowner Agreements	08/01/19	Yes	
Design Implementation	11/01/20	No	
Photographic Documentation of Construction	11/30/20	No	
Project Sign Designs	06/01/19	Yes	
Install Project Signs	11/01/20	No	
Draft O & M Plan	08/01/19	Yes	
Final O & M Plan	09/01/19	Yes	
Draft Project Report	11/01/20	No	
Final Project Report	11/30/20	No	

Comments:

Project Reports and Other Informational Materials:

FEDERAL FISCAL YEAR 2019 (NPS PROGRAM FUNDS)

Title: Technical Assistance for the Coastal Clean Waters Program

Purpose: This project will allow the Illinois Department of Natural Resources' Coastal Management Program, in cooperation with the Prairie Research Institute at the University of Illinois, to hire of a full time staff member to develop and implement the Coastal Clean Waters Program. This position will provide support and technical assistance to the Coastal Management Program regarding coastal management issues, watershed management, and nonpoint source pollution. The primary responsibility of this person will be to address unapproved management measures in Illinois' Coastal Nonpoint Pollution Control Program, required under Section 6217 of the Coastal Zone Act Reauthorization Amendments of 1990, and initiate program implementation. This will include collecting and analyzing technical information about existing laws, policies, programs and initiatives at the local, regional, state, and federal scale; assessing how the existing framework meets required management measures; developing policy and program recommendations; creating and compiling submissions for USEPA and NOAA; and initiating development of a fifteen-year strategy and five-year coastal nonpoint implementation plan.

NPS Program: All Sources

Project Location: Lake and Cook Counties

Waterbody Name (ID): Multiple

Subgrantee: Illinois Department of Natural Resources
Coastal Management Program
160 N. LaSalle S-703
Chicago, Illinois 60601

Project Period: TBD through TBD

Total Project Cost:	$100,000.00	**Cumulative Expenditure:**	$0.00
Federal:	$100,000.00	**Federal:**	$0.00
State and Local:	$0.00	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Quarterly Progress Report	TBD	No	
Quarterly Progress Report	TBD	No	
Quarterly Progress Report	TBD	No	
Quarterly Progress Report	TBD	No	
Quarterly Progress Report	TBD	No	
Quarterly Progress Report	TBD	No	
Quarterly Progress Report	TBD	No	

Comments: . The Subgrantee declined the grant award. A rescope of the FY19 Work Plan will be submitted to US EPA for review and approval.

Project Reports and Other Informational Materials:
19-01 (319) CD

Title: Total Maximum Daily Load Development

Purpose: Working with selected vendors/consultants will developed TMDLs to address impairments listed on Illinois' 303(d) List of Impaired Waters. TMDLs will be selected using the protocol outlined in the Agencies Integrated Report (2018) with impairments to Public Water Supplies being the highest priority. 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:	$800,000.00	**Cumulative Expenditure:**	$0.00
Federal:	$0.00	**Federal:**	$0.00
State and Local:	$800,000.00	**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:

Title: Illinois Nutrient Loss Reduction Strategy Implementation

Purpose: This project will continue execution of a plan for implementing the *Illinois Nutrient Loss Reduction Strategy* (NLRS) (July 22, 2015).

NPS Program: All Sources

Project Location: Statewide

Waterbody Name (ID): Not Applicable

Subgrantee: TBD

Project Period: TBD through TBD

Total Project Cost:	$700,000.00	**Cumulative Expenditure:**	$0.00
Federal:	$0.00	**Federal:**	$0.00
State and Local:	$700,000.00	**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:

Title: Winneshiek Creek Watershed-based Plan

Purpose: This project will develop a watershed-based plan for the Winneshiek Creek (IL_PWL-01) watershed (HUC 070900031402) that is 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).

NPS Program: All Sources

Project Location: Stephenson County

Waterbody Name (ID): Winneshiek Creek (IL_PWL-01)

Subgrantee: Olson Ecological Solutions, LLC
2221 Hammond Drive
Schaumburg, Illinois 60173

Project Period: 10/01/19 through 09/30/21

Total Project Cost:	$135,890.00	**Cumulative Expenditure:**	$80,453.79
Federal:	$81,534.00	**Federal:**	$40,314.25
State and Local:	$54,356.00	**State and Local:**	$40,139.54

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

Comments:

Project Reports and Other Informational Materials:

Title: Canteen Creek-Cahokia Creek Watershed BMP Implementation

Purpose: This project will implement 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 07/15/22

Total Project Cost:	$1,624,580.64	**Cumulative Expenditure:**	$44,658.14
Federal:	$953,628.24	**Federal:**	$13,580.47
State and Local:	$670,952.40	**State and Local:**	$31,077.67

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	03/31/22	No	
Draft Education Strategy	01/31/20	Yes	
Final Education Strategy	03/15/20	Yes	
Education Strategy Implementation	03/31/22	No	
Draft Project Report	12/31/21	No	
Final Project Report	05/30/22	No	

Comments:

Project Reports and Other Informational Materials:

Title: Little Rock Creek Watershed-Based Plan

Purpose: The City of Sandwich, Applied Ecological Services, and other partners will develop a watershed-based plan for the Little Rock Creek (IL_DTCA-01) watershed (HUC 071200070306) that is 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). Applied Ecological Services (AES) and the City will also work to leverage the recommendations of the Illinois Nutrient Loss Reduction Strategy while developing best management practices to reduce nutrient loading to Little Rock Creek.

NPS Program: All Sources

Project Location: Dekalb and Kendall Counties

Waterbody Name (ID): Little Rock Creek (IL_DTCA-01)

Subgrantee: City of Sandwich
144 East Railroad Street
Sandwich, Illinois 60548-2168

Project Period: 09/01/19 through 08/31/21

Total Project Cost:	$80,000.00	**Cumulative Expenditure:**	$36,168.14
Federal:	$48,000.00	**Federal:**	$21,700.88
State and Local:	$32,000.00	**State and Local:**	$14,467.26

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Watershed Resource Inventory	07/01/20	Yes	
Final Watershed Resource Inventory	08/01/20	No	
Draft Watershed-based Plan	05/01/21	No	
Final Watershed-based Plan	08/01/21	No	
Draft Executive Summary	05/01/21	No	
Final Executive Summary	08/01/21	No	

Comments:

Project Reports and Other Informational Materials:

Title: North Fork Vermilion River and Lake Vermilion Watershed Plan Update

Purpose: This project will update an existing watershed-based plan (Watershed Implementation Plan for Lake Vermilion and the North Fork Vermilion River, 2008) for the Lake Vermilion (IL_RBD) watershed (0512010908 & portion of 0512010907). The updated watershed-based 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).

NPS Program: All Sources

Project Location: Vermilion and Iroquois Counties

Waterbody Name (ID): Lake Vermilion (IL_RBD)

Subgrantee: Vermilion County Soil & Water Conservation District
1905A U.S. Route 150
Danville, Illinois 61832-5396

Project Period: 09/11/19 through 10/01/21

Total Project Cost:	$185,720.00	**Cumulative Expenditure:**	$73,210.00
Federal:	$109,800.00	**Federal:**	$41,801.00
State and Local:	$75,920.00	**State and Local:**	$31,411.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Watershed Resource Inventory	09/01/20	No	
Final Watershed Resource Inventory	11/01/20	No	
Draft Watershed-based Plan	07/01/21	No	
Final Watershed-based Plan	09/01/21	No	
Draft Executive Summary	07/01/21	No	
Final Executive Summary	09/01/21	No	
Joint Evaluation Form	09/01/21	No	

Comments:

Project Reports and Other Informational Materials:

FEDERAL FISCAL YEAR 2019 (WATERSHED PROJECT FUNDS)

Title: Lake Bloomington and Evergreen Lake Watershed Plan Update

Purpose: This project will update 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 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).

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:**	$61,825.00
Federal:	$58,375.00	**Federal:**	$24,133.00
State and Local:	$91,250.00	**State and Local:**	$37,692.00

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

Comments:

Project Reports and Other Informational Materials:

19-07 (319) ST

Title: Lake Mauvaise Terre In-Lake Dam Phase 1

Purpose: This project will 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 will be located in the upper area of Lake Mauvaise Terre (IL_SDL). It will be designed to retain up to 75 % of the sediment and nutrients entering the lake from a 27 square mile watershed.

NPS Program:

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: TBD through TBD

Total Project Cost:	$350,000.00	**Cumulative Expenditure:**	$0.00
Federal:	$175,000.00	**Federal:**	$0.00
State and Local:	$175,000.00	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	TBD	No	
Final Design Specifications	TBD	No	
Draft Permits	TBD	No	
Final Permits	TBD	No	
Draft Project Report	TBD	No	
Final Project Report	TBD	No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

Title: Sediment Basin and Gully Stabilization

Purpose: This project will protect the beneficial uses of Kinkaid Lake (IL_RNC) from the impairments of nonpoint source (NPS) pollution through the construction of an in-lake sediment control structure and the stabilization of 2,300 feet of gullies in close proximity to the lake. A rock filled dam will be built to form the proposed sediment basin. Gullies will be stabilized using limestone riprap to form check dams within the gullies to eliminate erosion.

NPS Program: Agriculture & Hydrologic Modification

Project Location: Jackson County

Waterbody Name (ID): Kinkaid Lake (IL_RNC)

Subgrantee: Kinkaid-Reed's Creek Conservancy District
1763 Water Plant Road
Murphysboro, Illinois 62966

Project Period: 09/01/19 through 08/31/21

Total Project Cost:	$262,210.00	**Cumulative Expenditure:**	$47,642.53
Federal:	$157,326.00	**Federal:**	$28,585.52
State and Local:	$104,884.00	**State and Local:**	$19,057.01

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	01/31/20	Yes	
Final Design Specifications	03/31/20	Yes	
Design Implementation	06/30/21	No	
Photographic Documentation of Construction	08/31/21	No	
Install Project Signs	03/31/20	No	
Draft O & M Plan	01/31/20	Yes	
Final O & M Plan	03/31/20	Yes	
Draft Project Report	07/01/21	No	
Final Project Report	08/31/21	No	

Comments:

Project Reports and Other Informational Materials:

Title: Copperas Creek Watershed-Based Plan Implementation Project

Purpose: The project will install streambank stabilization and agricultural best management practices (BMPS) in the Copperas Creek (IL_MZA) watershed, a tributary of the Mississippi River (IL_M-02). BMPs to be implemented under this project include approximately 1,870 feet of streambank stabilization; 2 grade stabilization structures; 1,300 feet of water and sediment control basins; 1.0 acre of grassed waterways; 1 bioreactor, and 1 saturated buffer. A public education program (nutrient management workshop, signs, BMP tour, newsletters, cover crop and conservation tillage workshop) will also be implemented.

NPS Program: Agriculture & Hydrologic Modification

Project Location: Rock Island County

Waterbody Name (ID): Copperas Creek (IL_MZA)

Subgrantee: Rock Island County Soil and Water Conservation District
3020 1st Avenue East
Milan, Illinois 61231

Project Period: 12/18/19 through 07/15/22

Total Project Cost:	$301,160.78	**Cumulative Expenditure:**	$18,719.40
Federal:	$180,044.41	**Federal:**	$10,673.82
State and Local:	$121,116.37	**State and Local:**	$8,045.58

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft BMP Strategy	01/31/20	Yes	
Final BMP Strategy	02/28/20	Yes	
BMP Strategy Implementation	11/30/21	No	
Draft Education Strategy	02/28/20	Yes	
Final Education Strategy	03/31/20	No	
Education Strategy Implementation	10/31/21	No	
Draft Project Report	12/31/21	No	
Final Project Report	03/31/22	No	

Comments:

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: TBD through TBD

Total Project Cost:	$300,924.89	**Cumulative Expenditure:**	$0.00
Federal:	$178,514.93	**Federal:**	$0.00
State and Local:	$122,409.96	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	TBD	No	
Final Design Specifications	TBD	No	
Draft Permits & Landowner Agreements	TBD	No	
Final Permits & Landowner Agreements	TBD	No	
Design Implementation	TBD	No	
Photographic Documentation of Construction	TBD	No	
Plan for Educational Signs	TBD	No	
Install Project Signs	TBD	No	
Draft O & M Plan	TBD	No	
Final O & M Plan	TBD	No	
Draft Project Report	TBD	No	
Final Project Report	TBD	No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

Title: St. Joseph Creek Restoration

Purpose: This project will implement best management practices (BMPs) along St. Joseph Creek (IL_GBLB-01) in Downers Grove, Illinois. BMPs implemented under this project will include approximately 2,455 feet of streambank stabilization using rock vanes and rock toe in combination with native vegetation, approximately 975 feet stream channel stabilization using re-meandering and riffles, and a 1.2-acre buffer of native vegetation.

NPS Program: Hydrologic Modification

Project Location: DuPage County

Waterbody Name (ID): St. Joseph Creek (IL_GBLB-01)

Subgrantee: Village of Downers Grove
801 Burlington Avenue
Downers Grove, Illinois 60515-4782

Project Period: 09/01/19 through 08/31/21

Total Project Cost:	$576,570.00	**Cumulative Expenditure:**	$60,060.63
Federal:	$345,942.00	**Federal:**	$36,036.38
State and Local:	$230,628.00	**State and Local:**	$24,024.25

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	05/01/20	Yes	
Final Design Specifications	07/01/20	Yes	
Draft Permits & Landowner Agreements	05/01/20	Yes	
Final Permits & Landowner Agreements	07/01/20	Yes	
Design Implementation	07/01/21	No	
Photographic Documentation of Construction	08/31/21	No	
Project Sign Designs	07/01/20	Yes	
Install Project Signs	07/01/21	No	
Draft O & M Plan	07/01/20	Yes	
Final O & M Plan	08/31/21	No	
Draft Project Report	07/01/21	No	
Final Project Report	08/31/21	No	

Comments:

Project Reports and Other Informational Materials:

Title: The Big Ditch and Healthy Water

Purpose: The project will install 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 will include approximately 2,000 acres of cover crops, 7.4 acres of filter strips, 30 acres of grassed waterway, and nutrient management plans for 4,000 acres of cropland. The project includes 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: TBD through TBD

Total Project Cost:	$629,000.00	**Cumulative Expenditure:**	$0.00
Federal:	$278,500.00	**Federal:**	$0.00
State and Local:	$350,500.00	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	TBD	No	
Final Design Specifications	TBD	No	
Draft Permits & Landowner Agreements	TBD	No	
Final Permits & Landowner Agreements	TBD	No	
Design Implementation	TBD	No	
Photographic Documentation of Construction	TBD	No	
Project Sign Designs	TBD	No	
Install Project Signs	TBD	No	
Draft O & M Plan	TBD	No	
Final O & M Plan	TBD	No	
Draft Project Report	TBD	No	
Final Project Report	TBD	No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

Title: Lake County SMC Watershed-Based Plan Implementation Program

Purpose: This project will implement 7 nonpoint source (NPS) pollution control project components across several watershed-based plans in Lake County, Illinois. 1) The Skokie River Streambank Stabilization project component will stabilize approximately 5,075 linear feet of eroding streambank along a segment of the Skokie River (IL_HCCD-01) located in Lake Forest, Illinois. 2) The Pine Street Streambank Stabilization and Open Space Project component will install approximately 764 feet of streambank stabilization, 200 linear feet of bioswale, and a 0.2-acre bioretention cell (rain garden) along the West Fork North Branch Chicago River (IL_HCCB-05) in Glenview, Illinois. 3) The HPCC Shoreline Restoration and Wetland Enhancement project component will reduce NPS pollution discharged to the Skokie River (IL_HCCD-01) by stabilizing approximately 2,243 linear feet of eroding shoreline, installing 1,300 linear feet of vegetated swales, and establishing a 2.2-acre buffer of native vegetation around an existing detention basin (North Pond) in Highland Park, Illinois. 4) The Van Patten Woods Hydrologic Restoration and Enhancement Project component will retire 94.5 acres of farm fields; remove/disable 11,150 linear feet of drain tile; and install 7 rock check dams, 1 trail berm, 640 trees and shrubs and native vegetation to restore the Van Patten Woods Forest Preserve in Wadsworth, Illinois and reduce NPS pollution discharged to the Des Plaines River (IL_G-25). 5) The Removal of Carp to Reduce Nutrient Enrichment project component will use electrofishing to reduce the carp populations in Slough Lake (IL_RGZE), Crooked Lake (IL_RGZA), Hastings Lake (IL_RGZB), and McDonalds Lake in Lake County, Illinois. 6) The Flint Creek Watershed BMP Monitoring Project component will calibrate five USGS stream gages on Flint Creek (IL_DTZS-01) and its two sub-branches so water levels can be related to stream discharge and used to estimate total daily loads to evaluate BMP effectiveness. 7) The Timber Lake South Inlet Stabilization Project – Phase 2 component will install 1 sediment forebay, 1,242 feet of streambank stabilization (40 rock checks), 1 bioswale (90 LF), and 0.69 acres of vegetation management to reduce NPS pollution discharged to Timber Lake (IL_RTZQ) in Lake County, Illinois.

NPS Program: Urban Runoff & Hydrologic Modification

Project Location: Lake County

Waterbody Name (ID): Skokie River (IL_HCCD-01), West Fork North Branch Chicago River (IL_HCCB-05), Des Plaines River (IL_G-25), Slough Lake (IL_RGZE), Crooked Lake (IL_RGZA), Hastings Lake (IL_RGZB), Flint Creek (IL_DTZS-01), Timber Lake (IL_RTZQ)

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

Project Period: 11/04/19 through 04/30/22

Total Project Cost:	$2,115,813.00	**Cumulative Expenditure:**	$435,296.69
Federal:	$1,269,488.00	**Federal:**	$194,984.67
State and Local:	$846,325.00	**State and Local:**	$240,312.02

Project Milestone	Completion Date	Completed Yes/No	Comments
SKOKIE RIVER STREAMBANK STABILIZATION PROJECT			
Draft Design Specifications	01/31/20	Yes	
Final Design Specifications	04/30/20	Yes	
Design Implementation	10/15/21	No	
Photographic Documentation of Construction	11/30/21	No	
PINE STREET STREAMBANK STABILIZATION AND OPEN SPACE PROJECT			
Draft Design Specifications	01/31/20	No	
Final Design Specifications	03/31/20	No	
Design Implementation	10/15/21	No	
Photographic Documentation of Construction	11/30/21	No	
HPCC SHORELINE RESTORATION AND WETLAND ENHANCEMENT PROJECT			
Draft Design Specifications	01/31/20	Yes	
Final Design Specifications	03/31/20	Yes	
Design Implementation	10/15/21	No	
Photographic Documentation of Construction	11/30/21	No	
VAN PATTEN WOODS HYDROLOGIC RESTORATION AND ENHANCEMENT PROJECT			
Draft Design Specifications	01/31/20	Yes	
Final Design Specifications	03/31/20	Yes	
Design Implementation	10/15/21	No	In Progress
Photographic Documentation of Construction	11/30/21	No	
TIMBER LAKE SOUTH INLET STABILIZATION PROJECT – PHASE 2			
Draft Design Specifications	01/31/20	Yes	
Final Design Specifications	03/31/20	Yes	
Design Implementation	10/15/21	No	
Photographic Documentation of Construction	11/30/21	No	
FLINT CREEK WATERSHED BMP MONITORING PROJECT			
Draft Water Quality Monitoring Plan	01/31/20	Yes	
Final Water Quality Monitoring Plan	03/31/20	Yes	
Draft QAPP	01/31/20	Yes	
Final QAPP	03/31/20	Yes	
Water Quality Monitoring Plan Implementation	09/30/20	No	
QAPP Implementation	07/31/20	No	
Draft Monitoring Report	10/31/21	No	
Final Monitoring Report	11/30/21	No	
REMOVAL OF CARP TO REDUCE NUTRIENT ENRICHMENT PROJECT			
Draft Carp Removal Strategy	01/31/20	Yes	
Final Carp Removal Strategy	03/31/20	Yes	Grantee in the process of revision
Draft QAPP	01/31/20	Yes	Grantee has terminated
Final QAPP	03/31/20	No	Grantee had terminated
QAPP Implementation	10/31/20	No	
Draft Monitoring Report	11/30/21	No	
Final Monitoring Report	12/31/21	No	
Carp Removal Strategy Implementation	11/30/21		
Photographic Documentation of Carp Removal	12/31/21	No	
Project Sign Designs	12/31/19	No	All approved expect for Project # 2
Draft O & M Plan	01/31/20	No	All approved expect for Project # 2
Final O & M Plan	04/30/20	No	All approved expect for Project # 2
Draft Project Report	02/28/22	No	
Final Project Report	04/30/22	No	

Comments:

Project Reports and Other Informational Materials:

Title: Silver Creek Concrete Removal & Stabilization Project

Purpose: This project will implement best management practices (BMPs) along Silver Creek (IL_GM-01) in Melrose Park, Illinois. BMPs implemented under this project will include approximately 2,624 feet of streambank stabilization using rock toe, re-shaped slopes, 13 rock points, native plant materials, and erosion control blanket; approximately 88 feet stream channel stabilization using 4 rock riffle grade control structures; and a 1.6-acre riparian buffer of native vegetation. The project also includes information and education (webpage, meetings, newsletter, and brochure).

NPS Program: Hydrologic Modification

Project Location: Cook County

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

Subgrantee: Village of Melrose Park
1000 North 25th Avenue
Melrose Park, Illinois 60160

Project Period: 11/4/19 through 08/31/21

Total Project Cost:	$613,015.56	**Cumulative Expenditure:**	$27,163.50
Federal:	$367,809.34	**Federal:**	$16,298.16
State and Local:	$245,206.22	**State and Local:**	$10,865.40

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	03/31/20	No	In Progress
Final Design Specifications	04/30/20	No	
Draft Permits & Landowner Agreements	05/31/20	No	
Final Permits & Landowner Agreements	06/30/20	No	
Design Implementation	03/31/21	No	
Photographic Documentation of Construction	07/31/21	No	
Project Sign Designs	06/30/20	No	
Install Project Signs	07/31/20	No	
Draft O & M Plan	05/31/20	No	
Final O & M Plan	06/30/20	No	
Draft Information & Education Strategy	04/30/20	No	
Final Information & Education Strategy	05/31/20	No	
Information & Education Strategy Implementation	03/31/21	No	
Draft Project Report	07/31/21	No	
Final Project Report	08/31/21	No	

Comments:

Project Reports and Other Informational Materials:

FEDERAL FISCAL YEAR 2020 (NPS PROGRAM FUNDS)

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:	$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: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

Title: Fiddyment Creek, Milne Creek & Fraction Run Watershed Plan

Purpose: This project will develop a watershed-based plan for the Fiddyment Creek (IL_GHC), Milne Creek, and Fraction Run (IL_GHA) watershed (Portion of Hydrologic Unit Code 071200040705) that is 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).

NPS Program: All Sources

Project Location: Will County

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

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

Project Period: 01/01/21 through 12/31/22

Total Project Cost:	$169,344.00	**Cumulative Expenditure:**	$0.00
Federal:	$101,606.40	**Federal:**	$0.00
State and Local:	$67,737.60	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Watershed Resource Inventory		No	
Final Watershed Resource Inventory		No	
Draft Watershed-based Plan		No	
Final Watershed-based Plan		No	
Draft Executive Summary		No	
Final Executive Summary		No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

20-01 (319) SR

Title: Keith Creek Watershed-based Plan

Purpose: This project will develop a watershed-based plan for the Keith Creek (IL_PR-01) watershed (a 9,600-acre) portion of HUC 070900050107 that is designed to improve water quality by controlling nonpoint source pollution. The watershed is predominately in an urban environment, a consultant will facilitate the process and work with the City of Rockford and its partners to leverage the recommendations. The project includes ongoing stakeholder meetings, identification of critical area projects and outreach and education plan. The plan will be 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: through

Total Project Cost:	$110,833.33	**Cumulative Expenditure:**	$0.00
Federal:	$66,500.00	**Federal:**	$0.00
State and Local:	$44,333.33	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Watershed Resource Inventory		No	
Final Watershed Resource Inventory		No	
Draft Watershed-based Plan		No	
Final Watershed-based Plan		No	
Draft Executive Summary		No	
Final Executive Summary		No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

Title: Salt Smart Training & Certification Program for Parking Lot & Sidewalk BMPs

Purpose: A qualified consultant will develop a robust training and certification program geared toward public and private snow removal professionals that would be coordinated under the Salt Smart Collaborative (SaltSmart.org) a program managed by The Conservation Foundation. The training will showcase well accepted winter management BMPs to reduce chloride/salt use while maintaining expected levels of safety. Working with a steering committee, the consultant will 1) review the Winter Parking Lots and Sidewalk Manual for the Chicago Region and identify additional BMPs needed for statewide application; 2) draft course outline, materials, and presentations for an initial training class (proposed ½ day class) and a refresher course (web-based); 3) hold a small test training workshop; 4) develop a 'Train the Trainer' program; and 5) develop a certification program, possibly a web base system with an app that could be used to document storm events and call outs.

NPS Program: Urban Runoff

Project Location:

Waterbody Name (ID):

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

Project Period: through

Total Project Cost:	$160,000.00	**Cumulative Expenditure:**	$0.00
Federal:	$96,000.00	**Federal:**	$0.00
State and Local:	$64,000.00	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Final Project Report		No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

FEDERAL FISCAL YEAR 2020 (WATERSHED PROJECT FUNDS)

Title: Embarras River Watershed Based Plan Update

Purpose: This project will update the Embarras River Watershed Management Plan. Including an update for 1 – 2 HUC12 or HUC10 watersheds to meet the 9 elements of a WBP. These priority watersheds will be selected using stakeholder input combined with data analysis. The watershed characterization for the remainder of the HUC8 watershed will be 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 will include field assessments, custom modeling, stakeholder engagement, and one-on-one landowner interaction. In the priority subwatershed(s), the plan update will include the creation of a custom landuse layer, identification of tillage practices, gully erosion, and a spatially explicit pollution loading model to be used later to target BMPs to the most critical locations and to quantify annual loadings of sediment and nitrogen.

NPS Program: All Sources

Project Location:

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: through

Total Project Cost:	$177,687.50	**Cumulative Expenditure:**	$.00
Federal:	$106,612.50	**Federal:**	$.00
State and Local:	$71,075.00	**State and Local:**	$.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Watershed Resource Inventory		No	
Final Watershed Resource Inventory		No	
Draft Watershed-based Plan		No	
Final Watershed-based Plan		No	
Draft Executive Summary		No	
Final Executive Summary		No	
Self-Assessment of Plan		No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

Title: Lake Springfield Watershed Management Plan BMP Implementation – Phase 3

Purpose: This project will install best management practices (BMPs) to reduce nonpoint source pollution in the Lake Springfield (ILREF) watershed. The BMPs, recommended in the 2017 Lake Springfield Watershed-based Management Plan, will include conservation tillage, cover crops, grassed waterways; grade stabilization structures; nutrient management planning; shoreline stabilization; streambank stabilization, stream channel stabilization, woodland improvement; VRT Phosphorus application; a saturated buffer, a rain barrel and a rain garden. The project includes a gully erosion study and a comprehensive tillage practices study. A spatial watershed assessment and management model will be developed. The project includes an educational component involving meetings, bus tours, field days, and newsletters.

NPS Program:

Project Location:

Waterbody Name (ID): Lake Springfield (ILREF)

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

Project Period: through

Total Project Cost:	$700,000.00	**Cumulative Expenditure:**	$0.00
Federal:	$420,000.00	**Federal:**	$0.00
State and Local:	$280,000.00	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Final Project Report		No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

Title: Candlewick Western Tributary Biofiltration Project

Purpose: This project will install best management practices (BMPs) in the Candlewick Lake (IL_RPV) watershed (HUC 070900060402) to reduce nonpoint source pollution. BMPs implemented under this project will include 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:

Project Location:

Waterbody Name (ID): Candlewick Lake (IL_RPV)

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

Project Period: through

Total Project Cost:	$ 367,510.00	**Cumulative Expenditure:**	$0.00
Federal:	$ 220,506.00	**Federal:**	$0.00
State and Local:	$ 147,004.00	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Final Project Report		No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

Title: Robbins Rain Garden and Riparian Restoration Project

Purpose: This project will install 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) approximately 2,200 feet of streambank stabilization using re-grading, removing invasive vegetation and installing native vegetation; 2) a 1.8-acre riparian buffer of native vegetation; 3) five rock vanes; and 4) one rain garden; The project also includes development and printing (3,000 copies) of an educational pamphlet, three interpretive signs, and five community meetings.

NPS Program:

Project Location:

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: through

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
Final Project Report		No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

Title: Village Hall Permeable Paver Parking Lot

Purpose: This project will replace 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 will provide temporary storage of runoff before it infiltrates into the sub-grade or slowly drains via a perforated pipe in the stone base. The project will reduce 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 includes educational signage.

NPS Program: Urban Runoff

Project Location:

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

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

Project Period: through

Total Project Cost:	$134,910.00	**Cumulative Expenditure:**	$0.00
Federal:	$80,946.00	**Federal:**	$0.00
State and Local:	$53,964.00	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Final Project Report		No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

Title: Klein Creek 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:

Project Location:

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

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

Project Period: through

Total Project Cost:	$2,000,000.00	**Cumulative Expenditure:**	$0.00
Federal:	$1,000,000.00	**Federal:**	$0.00
State and Local:	$1,000,000.00	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Final Project Report		No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

Title: Klein Creek Stream Restoration - Reaches 5, 6 and 7

Purpose: This project will remove a concrete channel and tire retaining wall, repair highly eroded streambanks through the use of soil wraps, boulder toe, and permanent vegetative cover, to improve water quality. The concrete channel is bordered by mowed lawn which has minimal water quality benefit. The Village has prepared pre-final engineering plans, cost estimates and specifications to restore three segments of the channel to a natural stream corridor following natural stream restoration design principles with appropriate fluvial geomorphologic features. These improvements would address some of the identified causes in the Klein Creek Watershed Based Plan (2017) within the Village of Glendale Heights.

NPS Program:

Project Location:

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

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

Project Period: through

Total Project Cost:	$1,116,000.00	**Cumulative Expenditure:**	$0.00
Federal:	$558,000.00	**Federal:**	$0.00
State and Local:	$558,000.00	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Final Project Report		No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

Title: Oak Brook Tributary Restoration

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

NPS Program:

Project Location:

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

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

Project Period: through

Total Project Cost:	$390,000.00	**Cumulative Expenditure:**	$0.00
Federal:	$234,000.00	**Federal:**	$0.00
State and Local:	$156,000.00	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Final Project Report		No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

Title: Woods Creek Restoration Project – Phase 2

Purpose: This project will install best management practices (BMPs) in the Woods Creek Lake (IL_RTZZ) watershed (HUC 071200061201) to reduce nonpoint source pollution. BMPs implemented under this project will include stream channel stabilization using 13 riffles (crossvane 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:

Project Location:

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: through

Total Project Cost:	$1,341,000.00	**Cumulative Expenditure:**	$0.00
Federal:	$804,600.00	**Federal:**	$0.00
State and Local:	$536,400.00	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Final Project Report		No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

Title: Squaw Creek Watershed & Fish Drain Watershed-based Plan

Purpose: This project will develop a watershed-based plan for the Squaw 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 will facilitate the process and work with the Lake County Stormwater Commission and its partners to leverage the recommendations. The project includes ongoing stakeholder meetings, identification of critical area projects and outreach and education plan. The plan will be 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).

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NPS Program: All Sources

Project Location: Lake County/McHenry County

Waterbody Name (ID): Squaw 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: January 1, 2021 through December 31, 2023

Total Project Cost:	$240,130.00	**Cumulative Expenditure:**	$0.00
Federal:	$144,078.00	**Federal:**	$0.00
State and Local:	$ 96,052.00	**State and Local:**	$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Watershed Resource Inventory	TBD	No	
Final Watershed Resource Inventory	TBD	No	
Draft Watershed-based Plan	TBD	No	
Final Watershed-based Plan	TBD	No	
Draft Executive Summary	TBD	No	
Final Executive Summary	TBD	No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials: