



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

## Section 319 Biannual Report



FAA 3191203– The **Flint Creek Stream and Floodplain Restoration Project** stabilized approximately 1,900 feet of eroding streambanks and streambed and established a 25 foot wide vegetative buffer (4 acres) over two segments of North Flint Creek, a tributary to Grassy Lake and Flint Creek in the Village of North Barrington. Streambanks were stabilized through the use of re-grading, riprap stone toe protection, erosion control matting, native plants, trees, and seed, riffles and vegetated geogrid.

Photos: **BEFORE**, **AFTER**, and at **BANKFULL AFTER CONSTRUCTION**. Over time vegetation will establish for additional water quality and bank protection.





## TABLE OF CONTENTS

<b>Title</b>	<b>Page</b>
FOREWORD	4
ASSESSMENT OF NONPOINT SOURCE POLLUTION	5
Streams	5
Lakes	6
Lake Michigan	7
Wetlands	7
Ground Water	7
National Monitoring Program	7
ILLINOIS NONPOINT SOURCE MANAGEMENT PROGRAM	9
Watershed Planning	10
IMPLEMENTATION OF THE ILLINOIS NONPOINT SOURCE MANAGEMENT PROGRAM	38
Section 319(h) – Nonpoint Source Pollution Control Financial Assistance Program	48
 <b>COMPLETED PROJECTS</b>	
FFY 1990 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 1991 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 1991 FEDERALLY FUNDED SECTION 319 GREAT LAKES SET ASIDE	Appendix 1
FFY 1992 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 1993 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 1994 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 1995 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 1996 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 1997 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 1998 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 1999 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 2000 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 2001 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 2002 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 2003 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 2004 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 2005 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 2006 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 2007 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 2008 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 2009 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 2010 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 2011 FEDERALLY FUNDED SECTION 319 PROJECTS	Appendix 1
FFY 2012 FEDERALLY FUNDED SECTION 319 PROJECTS	54
RMMS Maintenance and Enhancement	54
Flint Creek Stream and Floodplain Restoration	54
Lake Sara Shoreline Stabilization Project	55
City of Tuscola NPS Pollution Reduction Project	55
West Branch DuPage River Corridor Restoration	56
Nonpoint Source Pollution Management Workshop	57

## ONGOING PROJECTS

FFY 2012 FEDERALLY FUNDED SECTION 319 PROJECTS	58
Streambank Clean Up & Lakeshore Enhancement (SCALE)	58
FFY 2012 FEDERALLY FUNDED SECTION 319 PROJECTS (INCREMENTAL FUNDS)	59
Total Maximum Daily Load Development	59
Conservation Reserve Enhancement Program (CREP) Staffing	60
Clinton County Livestock Waste Management Project	61
FFY 2013 FEDERALLY FUNDED SECTION 319 PROJECTS	62
Nonpoint Source Pollution Management Workshop	62
Kickapoo Creek National Monitoring Project	63
Buffalo Creek Watershed-Based Plan	64
Outreach to Farmers: Lake Mauvaise Terre Watershed	65
RMMS Maintenance and Enhancement	66
Lake Wildwood Stream and Floodplain Restoration	67
FFY 2013 FEDERALLY FUNDED SECTION 319 PROJECTS (INCREMENTAL FUNDS)	68
Countywide Watershed BMP Implementation Program	68
Upper Babbling Brook Multi-BMP Project	70
Kinkaid Lake BMP Implementation	71
Hobson Creek Corridor BMPs at Caddie Corner Park	72
2013 Green Campus Initiatives	73
Otter Lake TMDL Implementation	74
Phase 4 of Salt Creek Streambank Stabilization	75
Indian Creek Watershed Project	76
FFY 2014 FEDERALLY FUNDED SECTION 319 PROJECTS (NPS PROGRAM FUNDS)	77
Spring Branch Subwatershed Action Plan	77
Silver Creek Watershed Based Plan	78
BMP Implementation to Protect the Sangamon River	79
Illinois CREP Implementation & Stewardship Specialists	80
Apple Canyon Lake Comprehensive Watershed Plan	81
FFY 2014 FEDERALLY FUNDED SECTION 319 PROJECTS (WATERSHED PROJECT FUNDS)	82
Accelerating BMP Adoption for Lake Decatur	82
Carpenter Creek Stream Restoration	83
Lake Carlinville Improvements - Phase 2	84
North Mill Creek Channel Restoration - Phase I	85
Lake Bloomington Paired Watershed Cover Crop Study	86
Candlewick Lake Bioswale Project	87
West Fork Stabilization in Downtown Glenview	88
Lakes Bloomington & Evergreen Watershed Social Assessment	89
Watershed Monitoring Plan & QAPP Development	90
Lake Springfield Watershed BMP Implementation	91
Monitoring of Kickapoo Creek near Charleston, Illinois	92
Oakwood Hills Fen Stream Corridor Restoration	93
Otter Creek Stabilization - Village of South Elgin	94



## FORWARD

Grants issued by USEPA under Section 319 of the Clean Water Act include a condition requiring the submittal of an end of year status report every year. This report is prepared to satisfy that condition and publicize the Illinois Environmental Protection Agency's accomplishments in controlling nonpoint source pollution.

Nonpoint source pollution is the diffuse, intermittent runoff of pollutants from various sources. Precipitation moving over and through the ground picks up pollutants from these sources and carries them into rivers, lakes, and ground water. Major sources that contribute to Illinois' nonpoint source pollution problems are agriculture, construction erosion, urban runoff, hydrologic modifications, and resource extraction activities.

The Clean Water Act of 1987 included a new national initiative to help states develop innovative nonpoint source pollution control strategies. Under Section 319 of the Clean Water Act, 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 nonpoint source pollution. For more information on Illinois EPA's nonpoint source water pollution control grant program or on specific grant projects, contact:

Illinois Environmental Protection Agency  
Bureau of Water  
Watershed Management Section  
Nonpoint Source Unit  
1021 North Grand Avenue East  
P.O. Box 19276  
Springfield, Illinois 62794-9276  
(217)782-3362

## ASSESSMENT OF NONPOINT SOURCE POLLUTION

The Illinois Environmental Protection Agency's (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/or 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 biennial Illinois Integrated Water Quality Report required by Section 305(b) and 303(d) of the CWA. The following section describes the Illinois EPA's most recent nonpoint source assessments of surface and ground water resources. Assessment methodologies are described in the original Assessment as well as in biennial Illinois Water Quality Reports (305(b) report).

### Streams

For the 2014 cycle Integrated Report, a total of 17,717 (14.9%) of the 119,244 stream miles in Illinois were assessed for use support and 10,715 miles (60.5%) of those assessed streams have been identified as being impacted by point or nonpoint sources.

### Use Assessments for Streams

305b Reporting Year	Use Impairments						No Use Impairments		Total Assessed		Waters Needing Additional NPS Corrective Action	
	NPS Only*		NPS & Point		Point Source Only							
	Of Assessed		Of Assessed		Of Assessed		Of Assessed		Of Assessed		Of Assessed	
	Miles	%	Miles	%	Miles	%	Miles	%	Miles	%	Miles	%
1992	4,657	33.3	3,034	21.7	79	0.6	6,211	44.4	13,981	100.0	7,691	55.0
1994	4,729	33.4	2,464	17.4	64	0.5	6,893	48.7	14,150	100.0	7,193	50.8
1996	12,811	36.4	3,203	9.1	3,024	8.6	16,137	45.9	35,175	100.0	16,014	45.5
1998	9,561	33.6	2,882	10.1	115	0.4	15,890	55.9	28,448	100.0	12,443	43.7
2000	3,604	23.6	1,742	11.4	97	0.6	9,861	64.4	15,304	100.0	5,346	35.0
2002	3,325	20.9	1,798	11.3	116	0.7	10,694	67.1	15,933	100.0	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	100.0	8,385	54.4
2008**	7,367	47.3	1,446	9.3	84	0.5	6,672	42.9	15,569	100.0	8,813	56.6
2010**	7,811	45.9	1,398	8.2	101	0.6	7,701	45.3	17,010	100.0	9,209	54.1
2012**	8,673	49.1	1,384	7.9	78	0.4	7,419	42.5	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	10,715	60.5

\* Includes impaired waters where no source was identified or source is listed as unknown.

\*\* Not yet fully approved by USEPA.

\*\*\* Some 2004 sources were not classified as either point or NPS.

Therefore, 10,715 miles (60.5%) 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."

Agriculture is the most frequently identified source of stream related nonpoint pollution in Illinois. Hydrologic modifications, urban runoff, and livestock are other major nonpoint sources contributing to streams not attaining full support ratings. Fecal coliform, dissolved oxygen, alteration in streamside or littoral vegetative cover, sedimentation/siltation, phosphorus, loss of instream cover, and total suspended solids were the greatest nonpoint source related causes of streams not attaining full support ratings.

## Lakes

For the 2014 cycle Integrated Report, a total of 149,849 (47%) of the 318,477 lake acres in Illinois were assessed for use support and 145,380 acres (97%) of those assessed lakes have been identified as being impacted by point or nonpoint sources.

### Use Assessments for Lakes

305b Reporting Year	Use Impairments						No Use Impairments		Total Assessed		Waters Needing Additional NPS Corrective Action	
	NPS Only*		NPS & Point		Point Source Only		Of Assessed		Of Assessed		Of Assessed	
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
1992	83,920	40.8	103,138	50.0	47	0.0	18,976	9.2	206,081	100.0	187,058	90.8
1994	67,670	36.0	62,052	33.1	0	0.0	57,877	30.9	187,599	100.0	129,722	69.1
1996	74,105	39.4	56,619	30.1	0	0.0	57,319	30.5	188,043	100.0	130,724	69.5
1998	78,537	41.8	63,358	33.6	0	0.0	46,393	24.6	188,288	100.0	141,895	75.4
2000	86,310	55.8	43,853	28.3	0	0.0	24,632	15.9	154,795	100.0	130,163	84.1
2002	95,585	63.5	44,059	29.2	0	0.0	11,063	7.3	150,707	100.0	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	14,673	100.0	143,268	97.6
2008**	104,692	71.0	39,839	27.1	0	0.0	2,830	1.9	147,361	100.0	144,531	98.1
2010**	101,480	68.5	45,250	30.6	0	0.0	1,284	0.9	148,014	100.0	146,730	99.1
2012**	103,666	69.2	44,147	29.5	0	0.0	1,979	1.3	149,792	100.0	147,812	98.7
2014**	102,073	68.1	43,307	28.9	0	0.0	4,469	3.0	149,849	100.0	145,380	97.0

\* Includes impaired waters where no source was identified or source is listed as unknown.

\*\* Not yet fully approved by USEPA.

\*\*\* Some 2004 sources were not classified as either point or NPS.

Therefore, 145,380 acres (97%) 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."

Agriculture, littoral/shore area modifications, other recreational pollution sources, runoff from forested/grassland/parkland, contaminated sediments, livestock, and urban runoff/storm sewers were identified as the most frequent sources of lake related nonpoint source pollution in Illinois. Phosphorus, aquatic algae, total suspended solids, aquatic algae, aquatic plants

(macrophytes), atrazine, turbidity, sedimentation/siltation, and dissolved oxygen were identified as the greatest nonpoint source related causes of lakes not attaining full support ratings.

## **Lake Michigan**

For the 2014 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 2.58 of the 2.62 square miles (98.3%) 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. All 64 miles were rated as not supporting fish consumption and primary contact designated uses. Atmospheric deposition, source unknown, combined sewer overflows, and urban runoff/storm sewers represent the nonpoint sources of pollution affecting the Lake Michigan shoreline in Illinois. Escherichia coli, mercury, and polychlorinated biphenyls were identified as the causes of Lake Michigan shoreline not attaining full support ratings.

## **Wetlands**

Illinois has lost as much as 90 percent of its original wetlands over the last 200 years. Illinois once contained more than eight million acres of wetlands. Currently approximately 1,726,770 acres remain (Illinois NWI Update 2010 - Ducks Unlimited). Wetlands cover about 3.5 percent of Illinois. The largest acreage of wetlands is in the bottom-land forests and swamps along the State's major rivers. Northeastern Illinois also has the largest concentration of wetlands in the State of Illinois.

## **Ground Water**

To assess ground water quality, the Illinois EPA operates a probabilistic network of community water supply wells consisting of 357 fixed locations. For the 2014 cycle Integrated Report, 274 wells within this network were rated as Fully Supporting ("good"), 44 were rated as Not Supporting ("fair"), and 39 were rated as Not Supporting ("poor").

## **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 the National Monitoring Program can be found at the following website: <http://www.bae.ncsu.edu/programs/extension/wqg/319monitoring/>. The following table

identifies the National Monitoring Program studies that have been completed or are under way in Illinois.

**Section 319 National Monitoring Program Projects in Illinois**

<b>Watershed Name</b>	Waukegan River	Lake Pittsfield	Kickapoo Creek
<b>Hydrologic Unit Code</b>	040400020501	071300110801	071300090502
<b>Year Monitoring Began</b>	1994	1992	2007
<b>Year Approved as Section 319 National Monitoring Project</b>	1996	1994	2007
<b>Year Monitoring Ended</b>	2009	2004	2015 (scheduled)
<b>Variables Measured</b>	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
<b>Purpose</b>	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.
<b>Total Cost to Date</b>	\$656,214	\$854,029	\$1,566,392
<b>Section 319 Cost to Date</b>	\$368,304	\$610,696	\$1,231,835
<b>Match Cost to Date</b>	\$287,910	\$243,333	\$334,557

## 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 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.

### **Watershed 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).

Through technical and financial assistance, the Illinois EPA also encourages the development of watershed-based plans consistent with the USEPA watershed based plan guidance dated October 23, 2003 (as revised), Chicago Metropolitan Agency for Planning's "Guidance for Developing Watershed Action Plans in Illinois" dated June 2007, total maximum daily load (TMDL) implementation plan requirements, and current watershed planning principles. Section 319 incremental funds must be spent on projects within an impaired watershed for which there is a TMDL or watershed-based plan.

Nonpoint source pollution control recommendations contained in diagnostic/feasibility studies and watershed-based plans serve to supplement Program initiatives and goals. Some of these plans have also been formally entered into the WQMP. Watershed-based plan development in Illinois is tracked geographically through the University of Illinois and Illinois EPA's Resource Management Mapping Service (RMMS) website (<http://www.rmms.illinois.edu>). The following tables identify the diagnostic/feasibility studies and watershed-based plans that have been completed or are under way in Illinois. Note that that many of the entries of "No" for "implementation begun" in the following tables may have had projects that were implemented at the local level but not reported to Illinois EPA.

**Clean Lakes Phase I Diagnostic/Feasibility Study Reports** (includes reports begun but not yet completed)

Lake Name	Lake Code	County	Grant Recipient	Causes of Impairment Addressed	Completion Date	Implementation Begun
Otter Lake	RDF	Macoupin	Otter Lake Water Commission	TP, atrazine, TSS	Oct-99	Yes
Baumann Park Lake	RPE	Winnebago	Village of Cherry Valley	DO, TP, TSS	Dec-98	Yes
Gillespie Old and New Lakes	SDT/SDU	Macoupin	City of Gillespie	TSS, TP, DO	no date	Yes
Lake Storey	RLB	Knox	City of Galesburg	TSS, aquatic algae, TP_	Dec-98	Yes
Chicago Botanic Garden Lagoons	RHJA	Cook	Chicago Horticultural Society	aquatic algae, aquatic plants, TSS, TP	Oct-99	Yes
Maple Lake	RHD	Cook	Cook County Forest Preserve District	non native species, aquatic plants, TP	Oct-01	Yes
Homer Lake	RBO	Champaign	Champaign County Forest Preserve District	TP, TSS	Nov-00	Yes
Woods Creek Lake	RTZZ	McHenry	Village of Lake in the Hills	TSS, TP, aquatic algae, aquatic plants, non native species	Aug-00	Yes
Campus Lake	RNZH	Jackson	Southern IL Univ. Board of Trustees	TP, TSS, aquatic algae, DO	Mar-04	Yes
Channel Lake/Lake Catherine	RTI/RTD	Lake	Fox Waterway Agency	TP, TSS, aquatic algae, nonnative species	Dec-00	Yes
Meadow Lake	WGA	DuPage	The Morton Arboretum	aquatic algae, TP, TSS	Nov-00	Yes
Governor Bond Lake	ROP	Bond	City of Greenville	TP, TSS, aquatic algae	2002	Yes
Lake Carlinville	RDG	Macoupin	City of Carlinville	TP, TSS	Dec-07	Yes
Lake Mattoon	RCF	Shelby	City of Mattoon	TSS, TP	draft	Yes
Lake Sedgewick	RGZZ	Cook	Village of Orland Park	aquatic algae, TP, TSS, DO	Aug-08	Yes
Lake Paradise	RCG	Coles	City of Mattoon	TSS, TP, aquatic algae	Mar-04	Yes
Staunton Reservoir	RJA	Macoupin	City of Staunton	TP, DO, TSS	May-09	No
Hillsboro Old	ROT	Montgomery	City of Hillsboro	TSS, TP, DO	Jul-08	No
Hillsboro New (Glenn Shoals)	ROL	Montgomery	City of Hillsboro	TSS, DO, TP, aquatic algae	Sep-06	Yes
Patriot's Pak Lake	ROY	Bond	Kingsbury Park District	TP, TSS, DO	Jun-05	Yes
Raccoon Lake	ROK	Marion	City of Centralia	TSS, TP	Jun-06	Yes
Lake Vermilion	RBD	Vermilion	Consumers Illinois Water Company	TSS, TP	Feb-04	Yes
Carlyle Lake	ROA	Clinton	Army Corps of Engineers - St. Louis District	TP, DO	draft	Yes
Kinkaid Lake	RNC	Jackson	Kinkaid-Reed's Creek Conservancy District	aquatic algae, TP, TSS, non native species	Sep-06	Yes
Kinmundy Old Reservoir	ROZY	Marion	City of Kinmundy	TP, DO, TSS	Sep-05	No
Cedar Lake / Carbondale City Reservoir	RNE / RNI	Jackson	City of Carbondale	TP	Jan-09	Yes

Highland Silver Lake	ROZA	Madison	City of Highland	TSS, TP	Dec-09	Yes
Crystal Lake	VTZH	McHenry	Crystal Lake Park District	TP	Sep-10	Yes
Canton Lake	RDD	Fulton	City of Canton	TSS, TP, DO, aquatic algae	Nov-95	No
Charleston Side Channel Reservoir	RBC	Coles	City of Charleston	TP, aquatic algae, DO	Jun-92	Yes
Dawson Lake	REE	McLean	Illinois Dept. of Conservation (IDOC)	TP	Apr-88	No
Douglas Park Lagoon, Garfield Park Lagoon, Lincoln Park Lagoon, Washington Park Lagoon	RHX, RHW, QZK, RNM	Cook	Chicago Park District	aquatic algae, aquatic plants, TSS, TP, DO	Mar-94	Yes
Frank Holten State Park Lakes	RJK, R JL, RJM	St. Clair	Illinois Dept. of Conservation (IDOC)	TP, TSS, DO, aquatic algae	1975	Yes
Lake George	RHR	Cook	Village of Richton Park	TSS, TP, aquatic algae, DO, non native species	Jun-96	Yes
Herrick Lake	WGM	DuPage	Forest Preserve District of DuPage County	TP, TSS, aquatic algae, DO	Mar-94	Yes
Indian Lake	WGZY	Cook	Chicago Zoological Society - Brookfield Zoo	TP, aquatic algae, TSS, DO	Dec-97	Yes
Lake of the Woods	REG	Champaign	Champaign County Forest Preserve District	TP, TSS	Feb-83	No
Lake Lou Yaeger	RON	Montgomery	City of Litchfield	TP, DO, TSS	Jan-95	Yes
Lake Le-Aqua-Na	RPA	Stephenson	Illinois Dept. of Conservation (IDOC)	TP, aquatic algae, aquatic plants, TSS	Mar-83	Yes
McCullom Lake	RTZD	McHenry	City of McHenry	aquatic algae, TSS, TP, aquatic plants, non native species, DO	Jul-92	Yes
Paris Twin Lakes	RBL, RBX	Edgar	City of Paris	TP, DO, TSS	Dec-92	Yes
Pinckneyville Reservoir	RNH	Perry	City of Pinckneyville	TSS, TP, aquatic algae, DO, non native species	Jun-91	No
Pittsfield Lake	RDP	Pike	City of Pittsfield	TP, TSS	Nov-89	Yes
Sherman Park Lagoon	RHU	Cook	Chicago Park District	aquatic plants, DO, TP, TSS	Jun-05	Yes
Skokie Lagoons	RHJA	Cook	Forest Preserve District of Cook County	TP, TSS, DO, aquatic algae	Nov-83	Yes
Springfield	REF	Sangamon	City of Springfield	TSS, TP, aquatic plants,	Mar-87	Yes
Stephen A. Forbes Lake	RCD	Marion	Illinois Dept. of Conservation (IDOC)	TSS, TP, DO	Aug-95	No
Wolf Lake	RHA	Cook	Hammond, IN Park District	aquatic plants, fecal coliform, contaminated sediments	Oct-96	Yes

## Watershed-Based Plans in Illinois – Completed

Title of Plan	Author(s)	Completion Date	Implementation Begun	HUC	Waterbody IDs	Causes of Impairment Addressed in Plan
Thorn Creek Watershed Based Plan	Chicago Metropolitan Agency for Planning; Geosyntec Consultants; Northeastern Illinois Planning Commission	12/1/2014	No	071200030201; 071200030202; 071200030203; 071200030204	HBD-02, HBD-03, HBD-04, HBD-05, HBD-06, HBDA-01, HBDB-03, HBDC, HBDC-02, HBDD-02, HBDF-04, HBDF-05, RHI, RHL, RHQ, RHR, RHI, UHM	Alteration in stream-side or littoral vegetative covers; Chloride; Fecal Coliform; Nitrogen, Nitrate; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation; Sulfates; Total Dissolved Solids; Total Suspended Solids (TSS)
Lake Mauvaise Terre Watershed Implementation Plan	American Farmland Trust; Northwater Consultants	10/31/2014	No	71300110402	DD-02, DD-04, SDL, SDB, SDL	Hexachlorobenzene; Manganese; Mercury; Nitrogen, Nitrate; Oxygen, Dissolved; Phosphorus (Total); Total Suspended Solids (TSS); Turbidity
Big/Long Creek Watershed TMDL Implementation Plan	Northwater Consultants; Agricultural Watershed Institute	8/31/2014	No	071300060406; 071300060409	EU-01	Nitrogen, Nitrate; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)
Big Ditch Watershed TMDL Implementation Plan	Champaign County Soil and Water Conservation District; Northwater Consultants; Agricultural Watershed Institute	8/31/2014	No	071300060202; 071300060203	E-29, EZU-01, SEF	Nitrogen, Nitrate; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)

East Branch South Branch Kishwaukee River Watershed-based Plan	County of DeKalb; Hey and Associates, Inc	7/15/2014	No	070900060501; 070900060502; 070900060503; 070900060504	PQCL-01, PQCL-02, RPZG	Alteration in stream-side or littoral vegetative covers; Changes in Stream Depth and Velocity Patterns; Fecal Coliform; Loss of Instream Cover; Nitrogen, Nitrate; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)
Candlewick Streams and Lakes Conservation Plan	Candlewick Lake Association, Inc.; Olson Ecological Solutions, LLC	7/1/2014	Yes	70900060402	RPV	Aquatic Algae; Fecal Coliform; Nitrogen, Nitrate; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)
9 Lakes Watershed-based Plan	Chicago Metropolitan Agency for Planning	6/1/2014	No	071200061007; 071200061103; 071200061104; 071200061105	DTI, DTR-W-C3, DTR-W-D1, DTRA-W-A1, DTRA-W-C1, RTZF, RTG, RTP, RTZI, RTZQ, RTZT, VTZX, VTZY, STK, STN, STO, STP, STQ, UTE, UTI, UTS, UTT, STL, STV, STX, STY, WTA, WTC, UTJ, UTD, WDT	Aquatic Plants (Macrophytes); Chloride; Fecal Coliform; Nitrogen, Nitrate; Non-Native Aquatic Plants; Oxygen, Dissolved; Phosphorus (Total); Total Suspended Solids (TSS)
Mill Creek Watershed and Flood Mitigation Plan	Lake County Stormwater Management Commission; Northwater Consultants	4/8/2014	No	71200040202	GW-02, GWA, RGI, RGM, RGV, RGW, RGZD, RGZC, UGC, UGT, SGQ, VGO	Chloride; Fecal Coliform; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)

Long Run Creek Watershed-Based Plan	Long Run Creek Watershed Planning Committee; Village of Lemont; Applied Ecological Services, Inc.; Lower DesPlaines Ecosystem Partnership	3/31/2014	No	71200040703	GHE-01, RGZO	Alteration in stream-side or littoral vegetative covers; Aquatic Algae; Chloride; Nitrogen, Nitrate; Non-Native Aquatic Plants; Oil and Grease; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS); Turbidity
Madigan Creek Watershed Based Plan	County of Winnebago Highway Department	7/31/2013	No	70900060802		Alteration in stream-side or littoral vegetative covers; Changes in Stream Depth and Velocity Patterns; Chloride; Loss of Instream Cover; Nitrogen, Nitrate; Other flow regime alterations; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation; Temperature, water; Total Dissolved Solids; Total Suspended Solids (TSS)

Buckbee Creek Watershed Based Plan	County of Winnebago Highway Department	7/31/2013	No	70900050401		Alteration in stream-side or littoral vegetative covers; Changes in Stream Depth and Velocity Patterns; Chloride; Loss of Instream Cover; Nitrogen, Nitrate; Other flow regime alterations; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation; Total Dissolved Solids; Total Suspended Solids (TSS)
Copperas Creek Watershed Resource Plan	USDA Natural Resources Conservation Service; Rock Island County Soil & Water Conservation District	6/11/2013	No	070801010501; 070801010502	MZA	Nitrogen, Nitrate; Phosphorus (Total); Sedimentation/Siltation
Woods Creek Watershed Based Plan	Crystal Lake Park District; Village of Lake in the Hills; City of Crystal Lake; Applied Ecological Services, Inc.; Village of Algonquin	1/1/2013	No	71200061201	RTZZ	Chloride; Fecal Coliform; Mercury; Nitrogen, Nitrate; Non-Native Aquatic Plants; Oil and Grease; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS); Turbidity

Jelkes Creek - Fox River Watershed Action Plan	Geosyntec Consultants; Kane-DuPage Soil and Water Conservation District	12/19/2012	Yes	71200061206	DT-18, DT-20, DTZR-01, DTG-03, DTZP-02, DTZQ-01	Alteration in stream-side or littoral vegetative covers; Oxygen, Dissolved; Sedimentation/Siltation; Total Suspended Solids (TSS)
Spring Creek Watershed-Based Plan	Applied Ecological Services, Inc.; Spring Creek Watershed Partnership; Integrated Lakes Management, Inc; Tallgrass Restoration, LLC	9/1/2012	No	71200061202	DTH-01, RTZA	Alteration in stream-side or littoral vegetative covers; Nitrogen, Nitrate; Oil and Grease; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation; Temperature, water; Total Suspended Solids (TSS); Turbidity
Ferson-Otter Creek Watershed Plan	Chicago Metropolitan Agency for Planning; The Conservation Foundation; Fox River Ecosystem Partnership	12/31/2011	Yes	071200070102; 071200070103	DTF-02, DTFA, DTFB, DTFC, STJ	Aquatic Algae; Chloride; Fecal Coliform; Nitrogen, Nitrate; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)
Blackberry Creek Watershed Action Plan	Chicago Metropolitan Agency for Planning; The Conservation Foundation; Fox River Ecosystem Partnership	12/30/2011	No	071200070201; 071200070202	DTD-02, DTD-03, DTDA, DTDB, RTO, VTZW, STM, STH, WTF	Chloride; Fecal Coliform; Nitrogen, Nitrate; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)

Silver Creek and Sleepy Hollow Creek Watershed Action Plan	Chicago Metropolitan Agency for Planning; Fox River Ecosystem Partnership; Environmental Defenders of McHenry County	12/1/2011	No	071200061105; 071200061102	RTZV, VTZB, RTW	Chlorine; Fecal Coliform; Nitrogen, Nitrate; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)
North Mill Creek-Dutch Gap Canal Watershed-Based Plan	Lake County Stormwater Management Commission; V3 Companies of Illinois; Northwater Consultants; Bleck Engineering	11/1/2011	Yes	71200040201	GWA, GWAA, RGZA, RGZB, RGZE, RGZA, RGZB, RGZE, RGZK, WGS, RGC, UGV, UGX, UGY, RGY, UGU, VGD, WGZF, UGW, VGM, VGN, UTY	Alteration in stream-side or littoral vegetative covers; Arsenic; Chloride; Fecal Coliform; Manganese; Nitrogen, Nitrate; Oil and Grease; Other flow regime alterations; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)

Embarras River Watershed Management Plan	V3 Companies of Illinois; Northwater Consultants	10/1/2011	Yes	<p>051201120101; 051201120102;  051201120103; 051201120104;  051201120105; 051201120106;  051201120201; 051201120202;  051201120203; 051201120204;  051201120301; 051201120302;  051201120303; 051201120304;  051201120305; 051201120401;  051201120402; 051201120403;  051201120404; 051201120501;  051201120502; 051201120503;  051201120504; 051201120505;  051201120601; 051201120602;  051201120603; 051201120701;  051201120702; 051201120703;  051201120704; 051201120705;  051201120706; 051201120801;  051201120802; 051201120803;  051201120804; 051201120805;  051201120806; 051201120807;  051201120808; 051201120809;  051201120810; 051201120811;  051201120901; 051201120902;  051201121001; 051201121002;  051201121003; 051201121004;  051201121005; 051201121006;  051201121007; 051201121008;  051201121009; 051201121010;  051201121011; 051201121101;  051201121102; 051201121103;  051201121104; 051201121105;  051201121201; 051201121202;  051201121203; 051201121204;  051201121205; 051201121206;  051201121207; 051201121208;  051201121301; 051201121302;  051201121303; 051201121401;  051201121402; 051201121501;  051201121502; 051201121503;  051201121504</p>	<p>BE, BE-01, BE-07,  BE-09, BE-17, BE-  25, BE-36, BEA-  01, BEAA-01,  BEAAA, BEAB-01,  BEABA, BEAC,  BEB-01, BEB-02,  BEBA, BEBB,  BEBC, BEC,  BECA, BECB,  BED-01, BEDA-01,  BEDB-01, BEDBA,  BEDC, BEDD,  BEDG, BEE-01,  BEF-02, BEF-05,  BEFA-02, BEFAA,  BEFAB, BEFABA,  BEFB, BEFC,  BEFD, BEFE,  BEFF, BEFH,  BEFI, BEFJ,  BEFL, BEFM,  BEFO, BEFT,  BEG-01, BEGA,  BEGB, BEH,  BEHA, BEI-01,  BEIA, BEIB, BEIC,  BEJ-03, BEJA,  BEJB, BEJC-01,  BEJD, BEJE-01,  BEJEA-01, BEJF-  01, BEJG, BEJH-  01, BEJI, BEJJ,  BEJK, BEJL,  BEJN, BEK, BEL-  01, BEL-03,  BELB, BEM,  BEMA, BEMB,  BEN-01, BEN-02,  BENA-01, BENA-  02, BENA-03,  BENB, BENC-01,  BEO-01, BEOA,  BEP-01, BEPA,  BEPAA, BEPB,  BEPC, BEPD-01,  BEPF, BEPG-01,  BEPH-01, BEQ-01,  BER-01, BERB-01,</p>	<p>Fecal Coliform;  Nitrogen, Nitrate;  Phosphorus (Total);  Sedimentation/Siltation;  Total Suspended Solids  (TSS)</p>
--	--	-----------	-----	--	---	--

					BERB-TO-C1, BERB-TO-C1A, BERC-01, BERD- 01, BES-01, BESA, BET-01, BETA, BEU, BEZA-01, BEZB- 07, BEZC, BEZE, BEZF-01, BEZG, BEZI, BEZK, BEZM, BEZN, BEZP, BEZR, BEZV, BEZW, BEZX-01, BEZY, BEZZ-05, BEZZA, RBC, RBH, RBP, BE- 14, RBK, RBP, RBC, RBH, RBT, WBA, RBA, RBB	
--	--	--	--	--	--	--

Clear Creek Watershed Action Plan	Lost Nation-New Landing River Conservancy District; Olson Ecological Solutions, LLC	9/30/2011	Yes	70900050601	PZU, RPZF	Aquatic Algae; Fecal Coliform; Nitrogen, Nitrate; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)
Watershed Plan for Highland Silver Lake Watershed	HDR/CWI Consulting Engineers & Scientists	7/1/2011	Yes	071402040401; 071402040402	ODL, ODL-02, ODLC, ROZA, ROZA, ROZB	Chlordane; Mercury; Nitrogen, Nitrate; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation
Lower DuPage River Watershed Based Plan	Chicago Metropolitan Agency for Planning; The Conservation Foundation	6/1/2011	Yes	071200040806; 071200040807; 071200040808; 071200040809; 071200040810	GB-01, GB-11, GB-16, GBA, GBAA-01, GBE-01, GBE-02, GBEA, GBH-01, GBI, GBK-02, GBL-02, WGZX, WGI, SGJ, SGW	Chloride; Fecal Coliform; Other flow regime alterations; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)
Hickory Creek Watershed Plan	Chicago Metropolitan Agency for Planning	6/1/2011	Yes	071200040601; 071200040602; 071200040603	GG-04, GG-06, GG-22, GGA-02, GGB-01, GGC-FN-A1, GGC-FN-C1, GGF, RGZZ, SGV, WGV	Alteration in stream-side or littoral vegetative covers; Chloride; Fecal Coliform; Other flow regime alterations; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)
Indian Creek, Dago Slough, and Prairie Creek LRS/TMDL	Illinois Environmental Protection Agency	12/16/2010	No	71300050905	DJFC, DJFCA	Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)
Prairie Creek Watershed TMDL Report	Illinois Environmental Protection Agency	12/16/2010	No	71300100702	DGZN-01	Manganese; Phosphorus (Total); Total Suspended Solids (TSS)

Crystal Lake Clean Lakes Phase 1 Protection Plan	Crystal Lake Park District; Hey and Associates, Inc	9/1/2010	No	71200061201	VTZH	Alteration in stream-side or littoral vegetative covers; Chloride; Fecal Coliform; Nitrogen, Nitrate; Non-Native Aquatic Plants; Nonnative Fish, Shellfish, or Zooplankton; Oil and Grease; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation
Aux Sable Creek Watershed Plan	Wills Burke Kelsey Associates, Ltd	6/1/2009	No	071200050101; 071200050103; 071200050102; 071200050104; 071200050105; 071200050106	DW-01, DWB, DWBA, DWBB, DWC, DWD-01, DWE, DWEA, DWF-01	Fecal Coliform; Sedimentation/Siltation
Staunton Lake Phase 1 Diagnostic Feasibility Study	Zahniser Institute for Environmental Studies	5/1/2009	No	71401010102	JQI, RJA, RJA	Nitrogen, Nitrate; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation; Temperature, water; Total Suspended Solids (TSS)
Jackson Creek Watershed Plan – Technical Report	Chicago Metropolitan Agency for Planning; Will County Stormwater Management Planning Committee	4/1/2009	No	071200040902; 071200040903	GC-02, GC-03, GCA-01, GCA-M-A1, GCA-M-C1, GCB	Nitrogen, Nitrate; Phosphorus (Total)
Rock River Ravines Watershed Plan 2008	Quad Cities Watershed Planning Committee	12/1/2008	Yes	070900051302; 070900070604; 070900051104; 070801010406	P-04, P-25, PB-09, PZA, PZB-01, PZC	Oxygen, Dissolved; Phosphorus (Total); Total Suspended Solids (TSS)

Upper Kishwaukee River Watershed Plan – Technical Report	Chicago Metropolitan Agency for Planning	11/1/2008	No	70900060205	PQ-13, PQJ-01, RPB	Fecal Coliform
Dead River Watershed - Based Plan	Montgomery Watson Harza; Conservation Design Forum; Lake County Stormwater Management Commission	9/1/2008	Yes	40400020501	QD, QG	Nitrogen, Nitrate; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)
Kellogg Creek Watershed - Based Plan	Montgomery Watson Harza; Conservation Design Forum; Lake County Stormwater Management Commission	9/1/2008	Yes	40400020501	QE-01, QF, QZV	Nitrogen, Nitrate; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)
Lawrence Creek Watershed Plan – Technical Report	Chicago Metropolitan Agency for Planning	9/1/2008	No	70900060301	PQEC-A, PQEC-C	Nitrogen, Nitrate; Phosphorus (Total)
Beaver Creek Watershed Action Plan – Technical Report	Chicago Metropolitan Agency for Planning	9/1/2008	No	070900060401; 070900060402	PQD-05, PQD-06, PQD-07, PQDA-01, RPV	Nitrogen, Nitrate; Phosphorus (Total); Sedimentation/Siltation
Big Bureau Creek Watershed Based Plan	Bureau County Soil and Water Conservation District	8/5/2008	Yes	071300010401; 071300010402; 071300010501; 071300010502; 071300010503; 071300010504; 071300010505; 071300010601; 071300010602; 071300010603; 071300010701; 071300010702; 071300010703	DQ-01, DQ-04, DQA-01, DQC, DQD-01, DQDA, RDV, UDS	Fecal Coliform; Nitrogen, Nitrate

Greater Bear Creek Area Watershed Plan	Hancock County Soil and Water Conservation District	7/1/2008	Yes	071100010401; 071100010402; 071100010403; 071100010404; 071100010501; 071100010502; 071100010503; 071100010504; 071100010505; 071100010506; 071100010507; 071100010508; 071100010509; 071100010601; 071100010602; 071100010604; 071100011001; 071100011002; 071100011004; 071100011005	K-17, KG, KI-02, KI-03, KI-04, KI-05, KI-06, KIB, KIC, KID, KIF-01, KIF-02, KIFA, KIFAA, KIFB, KIFD, KIFE, KIH, KII, KIJ, KIK, KIL, KZQ	Fecal Coliform; Manganese
Spring Lake Watershed Plan	McDonough County Soil and Water Conservation District	7/1/2008	Yes	71300100304	DGLA-01, RDR, RDR	Nitrogen, Nitrate; Phosphorus (Total); Total Suspended Solids (TSS)
Evergreen Lake Watershed Plan	Evergreen Lake Watershed Planning Committee; McLean County Soil and Water Conservation District	7/1/2008	Yes	71300040502	DKN, DKN-01, SDA, SDA	Phosphorus (Total); Total Suspended Solids (TSS)
Lower Part of the Upper Sangamon River Watershed Resource Plan	Macon County Soil and Water Conservation District	6/25/2008	Yes	071300060205; 071300060206; 071300060207; 071300060301; 071300060302; 071300060303; 071300060304; 071300060402; 071300060403; 071300060404; 071300060405; 071300060406; 071300060409	E-06, E-18, E-29, E-95, EU-01, EUA-01, EV-02, EVA, EW-01, EX-01, EZR, EZS, EZT-01, REA, REZE, REZM, REZN, REA, REAA, REAB	Nitrogen, Nitrate; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)

Lake Bloomington Watershed Plan	Lake Bloomington Watershed Planning Committee; McLean County Soil and Water Conservation District	6/17/2008	Yes	071300040201; 071300040202	DKP, DKP-02, RDO, RDO	Nitrogen, Nitrate; Phosphorus (Total)
Watershed Implementation Plan for Lake Vermilion and the North Fork Vermilion River	Vermilion County Soil and Water Conservation District	6/1/2008	Yes	051201090703; 051201090704; 051201090705; 051201090706; 051201090801; 051201090802; 051201090803; 051201090804; 051201090805; 051201090806	BPG-05, BPG-09, BPG-10, BPG-01, BPGC-01, BPGD, BPGE-01, RBD, RBD	Aquatic Algae; Fecal Coliform; Nitrogen, Nitrate; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)
North Branch Chicago River Watershed-Based Plan for Lake and Cook Counties, Illinois	Lake County Stormwater Management Commission	5/22/2008	Yes	071200030101; 071200030102; 071200030103; 071200030105	HCC-07, HCCB-05, HCCC-02, HCCC-04, HCCD-01, HCCD-09, RHJ, RHJA, RHK, WGZI, RHK, UHA, UHB, UHC, UHD, UHE, UHG, UHH, UHF, RHZD, RHZA, RHJ, RHJA, RHZK	Nitrogen, Nitrate; Oxygen, Dissolved; Phosphorus (Total); Total Suspended Solids (TSS)
Mary's River/North Fork Cox Creek TMDL Implementation Plan	Tetra Tech	4/3/2008	Yes	071401050201; 071401050202; 071401050203; 071401050204; 071401050205; 071401050206	II-02, II-03, II-05, II-91, IIA, IIB-40, IIC-38, IIC-39, IICA-01, IICB, IICC, IICD-01, IID, IIE, IIF, IIG, IIH-36, IIH-ST-C2, IIHA-31, IIHA-ST-C1, IIHB, IIJ, IIK, IIK-27, IIK-SP-C1A, RIB, RII, RIJ, RIB	Fecal Coliform; Manganese; Oxygen, Dissolved; Phosphorus (Total); Sulfates; Total Dissolved Solids

Fish Lake Drain Watershed Management Plan	Conservation Design Forum; Lake County Stormwater Management Commission	4/1/2008	No	071200061008; 071200061103	RTZH, VTK, RTZG, VTT, STU	Phosphorus (Total); Total Suspended Solids (TSS)
Bull Creek/Bulls Brook Watershed-Based Plan	Applied Ecological Services, Inc.; Lake County Stormwater Management Commission	3/31/2008	Yes	71200040302	G-07, GV-01, RGJ, RGU, RGP, RGT, UGF, UGH, UGI, VGF, VGI	Nitrogen, Nitrate; Oxygen, Dissolved; Phosphorus (Total); Total Suspended Solids (TSS)
Shoal Creek Watershed TMDL Implementation Plan	Tetra Tech	3/17/2008	Yes	071402030404; 071402030405; 071402030406; 071402030601; 071402030602; 071402030603; 071402030604; 071402030401; 071402030402; 071402030403	OI-08, OI-09, OI-13, OI-15, OIB-02, OIC-01, OIC-02, OID-05, OIE, OIF, OIG, OIGA, OIGB, OIH, OIHA, OIJ-01, OIJA, OIL-03, OILD, OIM-02, OIO-09, OIP-10, OIQ, O-20, O-25, OI-05, ROZH, ROZR	Ammonia (Total); Copper; Fecal Coliform; Silver; Total Dissolved Solids

Crab Orchard Creek Watershed TMDL Implementation Plan	Tetra Tech	3/6/2008	Yes	071401060801; 071401060802; 071401060803; 071401060804; 071401060805; 071401060806; 071401060807; 071401060808; 071401060809	N-16, ND-01, ND-02, ND-04, ND-11, ND-12, ND-13, ND-14, NDA-01, NDB-03, NDC-01, NDC-02, NDCA, NDCB-01, NDCB-02, NDD-03, NDD-04, NDDA-01, NDDA-99, NDDAA, NDDDB, NDF, NDJ, NDJA, NDJB, NDJC, RNA, RNI, RNJ, RNK, RNL, RNZC, RNZG, RNZH, RNI, RNL, RNA, RNJ, RNK, RNZC, SND, RNZU	Fecal Coliform; Manganese; Oxygen, Dissolved; pH; Phosphorus (Total); Sulfates; Total Dissolved Solids
Georgetown Lake TMDL Implementation Plan	Tetra Tech	3/4/2008	No	051201081001; 051201081002; 051201081003; 051201081004; 051201081101; 051201081102; 051201081103	BO-07, BO-08, BO-09, BOB, BOC, BOD, BOE, BOG, BOH, BOI, BOJ, BOL, RBS, RBS	Fecal Coliform; Phosphorus (Total)
The Tyler Creek Watershed Plan	Fluid Clarity, Ltd.; The Conservation Foundation; Watershed Resource Consultants, Inc.	3/1/2008	Yes	071200061203; 071200061204	DTZP-02	Fecal Coliform; Nitrogen, Nitrate; Phosphorus (Total); Sedimentation/Siltation
Paris Twin Lakes TMDL Implementation Plan	Tetra Tech	2/28/2008	No	51201110501	BM, BM-A1, RBL, RBX, RBL, RBX	Fecal Coliform; Oxygen, Dissolved; Phosphorus (Total)

South Fork Saline River/Lake of Egypt Watershed TMDL Report	Tetra Tech	2/28/2008	Yes	051402040101; 051402040102; 051402040103; 051402040104; 051402040105	ATH-02, ATH-05, ATH-11, ATH-13, ATH-14, ATHE, ATHG-01, ATHG- 02, ATHG-05, ATHG-07, ATHGA, ATHGB, ATHH, ATHHA, ATHI, ATHJ-01, ATHK, ATHL, ATHM, ATHN, ATHP, ATHS-01, ATHV- 01, ATHW-01, RAL, RAL	Cadmium; Copper; Fecal Coliform; Iron; Manganese; Nickel; Oxygen, Dissolved; pH; Silver; Sulfates; Total Dissolved Solids; Zinc
Cedar Creek/Cedar Lake TMDL Implementation Plan	Tetra Tech	2/1/2008	Yes	071401061201; 071401061202; 071401061203; 071401061204; 071401061205	N-12, N-16, N-99, NA-01, NA-02, NA-04, NAA, NAB, NAC-01, NAFA, NAJ, NB- 01, NC-07, ND-01, NZA, NZH, NZJ, NZK, NZL, NZY, RNE, RNZM, RNZM, RNE, SNA, RNZV, RNZO, RND, RNZW	Copper; Iron; Manganese; Oxygen, Dissolved; pH; Phosphorus (Total)
The Nippersink Creek Watershed Plan	Watershed Resource Consultants, Inc.; Fluid Clarity, Ltd.; The Nippersink Creek Watershed Planning Committee	2/1/2008	Yes	071200060801; 071200060802; 071200060901; 071200060902; 071200060903; 071200060904; 071200060905; 071200060906; 071200060907	DTK-04, DTK-06, DTKA-04, DTKAA- 03, RTZC, RTZC	Alteration in stream-side or littoral vegetative covers; Changes in Stream Depth and Velocity Patterns; Chloride; Fecal Coliform; Nitrogen, Nitrate; Oil and Grease; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation

Upper DuPage River Watershed Plan	Kabbes Engineering, Inc.; The Conservation Foundation	12/31/2007	Yes	071200040801; 071200040802; 071200040803; 071200040804; 071200040805	GBK-02, GBK-05, GBK-09, GBK-14, GBKA, GBKA-01, GBKB-01, GBL-02, GBL-05, GBL-08, GBL-10, GBL-11, GBLA, GBLB-01, GBLC, RGD, WGZC, WGM, WGZK, WGZS, RGG, RGZS, RGZI, WGA, WGB, WGC, WGZR, SGG, WGZW, SGK, SGL, SGM, SGX, WGZH	Chloride; Nitrogen, Nitrate; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)
Flint Creek Watershed-Based Plan	Applied Ecological Services, Inc.	12/31/2007	Yes	71200061104	DTZS-01, RTZR, RTS, VTB, VTE, VTZJ, RTZU, VTI, UTP, WTB, VTM, VTZK, VTZR, STF, VTC, UTR, UTQ	Nitrogen, Nitrate; Oxygen, Dissolved; Phosphorus (Total); Total Suspended Solids (TSS)
Waukegan River Watershed Plan	Geosyntec Consultants; Kabbes Engineering, Inc.; Waukegan Harbor Citizen's Advisory Group	12/31/2007	Yes	40400020501	QC-03, QC-05, QCA-01, UQA	Chromium (total); DDT; Hexachlorobenzene; Nickel; Nitrogen, Nitrate; Polychlorinated biphenyls; Silver; Total Dissolved Solids
Lake Carlerville Watershed Plan & Phase 1 Study	HDR/CWI Consulting Engineers & Scientists	12/1/2007	Yes	71300120106	DAZM, RDG, RDG	Nitrogen, Nitrate; Phosphorus (Total); Sedimentation/Siltation

South Fork Sangamon River/Lake Taylorville Watershed TMDL Report	Illinois Environmental Protection Agency	12/1/2007	Yes	071300070202; 071300070203; 071300070201	EO-05, EO-13, EOI-01, EOIA, EOJ, REC, REC, REZG	Boron; Manganese; Oxygen, Dissolved; Phosphorus (Total)
Bay Creek Watershed TMDL Report	Illinois Environmental Protection Agency	11/1/2007	No	051402030801; 051402030802; 051402030803; 051402030804; 051402030805; 051402030806; 051402030807	AJ-08, AJ-09, AJ-10, AJ-11, AJB, AJC, AJD-15, AJDA, AJE, AJEA, AJF-02, AJF-16, AJFA-21, AJFB, AJFBA, AJG-18, AJGA, AJGB, AJH, AJI, AJIA, AJJ, AJK-01, RAZB, RAZO, RAP, RAZO, RAZB, RAT	Manganese; Oxygen, Dissolved; Phosphorus (Total)
Eagle Creek Watershed Plan	Gallatin County Soil and Water Conservation District	8/11/2007	No	051402040704; 051402040705	ATE-01, ATE-02, ATE-03, ATE-04, ATE-05, ATE-06, ATEA-07, ATEAA, ATEB, ATEE-08, RAO	Nitrogen, Nitrate; Oxygen, Dissolved; pH; Total Dissolved Solids
East Fork LaMoine River Watershed TMDL Report	Baetis Environmental Services, Inc.; Limno-Tech, Inc.	8/1/2007	Yes	071300100301; 071300100302; 071300100303; 071300100305; 071300100306	DGL-02, DGL-03, DGL-04, DGL-05, DGL-08, DGLA-01, DGLC-01, DGLCA, DGLD-01, DGLDA, DGLE, DGLF, DGLG, RDE	Manganese; Oxygen, Dissolved; Phosphorus (Total); Sulfates
Cahokia Creek/ Holiday Shores Lake Watershed TMDL Report	Illinois Environmental Protection Agency	8/1/2007	Yes	071401010201; 071401010202; 071401010203; 071401010204; 071401010205; 071401010206; 071401010207	JQ-03, JQ-05, JQ-07, JQA-01, JQB, JQC, JQCB, JQD, JQE, JQF, JQG, JQO-HS-A1, JQO-HS-C1, RJD, RJD, RJO, RJZG, RJN, RJZI	Copper; Fecal Coliform; Manganese; Oxygen, Dissolved; pH; Phosphorus (Total)

Poplar Creek Watershed Action Plan	Chicago Metropolitan Agency for Planning	7/1/2007	Yes	71200061205	DTG-02, DTG-03, VTN, VTQ, VTY, VTZI, VTZE, STA, RTL	Chloride; Fecal Coliform; Nitrogen, Nitrate; Oil and Grease; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation; Total Dissolved Solids; Total Suspended Solids (TSS)
Clinton Lake Watershed Management Plan	DeWitt County Soil and Water Conservation District	6/29/2007	Yes	071300090101; 071300090102; 071300090103; 071300090104; 071300090105; 071300090106; 071300090201; 071300090202; 071300090203; 071300090204	EI-07, EIJ-01, EIJA, EIM, EIMA, REE, REI, REE, REI	Nitrogen, Nitrate; Phosphorus (Total); Sedimentation/Siltation
Watershed Implementation Plan for the Upper Salt Fork of the Vermilion River	Champaign County Soil and Water Conservation District	5/1/2007	Yes	051201090201; 051201090202; 051201090203; 051201090301; 051201090302; 051201090303; 051201090304; 051201090305; 051201090306; 051201090601; 051201090602; 051201090603	BPJ-03, BPJ-07, BPJ-08, BPJ-09, BPJ-10, BPJ-12, BPJB-01, BPJC-06, BPJC-08, BPJCA, BPJD-02, BPJF-01, BPJG-01, BPJI-02, BPJM-01, BPJN, RBU, RBO	Fecal Coliform; Nitrogen, Nitrate; Phosphorus (Total); Total Suspended Solids (TSS)
TMDL Implementation Plan Macoupin Creek Watershed	Limno-Tech, Inc.	2/1/2007	Yes	071300120101; 071300120102; 071300120103; 071300120104; 071300120105; 071300120107; 071300120108; 071300120109; 071300120401; 071300120402; 071300120403; 071300120404	DA-03, DA-04, DA-05, DA-06, DAF-01, DAG-02, DAH, DAHA, DAI, DAIA, DAJ, DAJA, DAKA, DAZI, DAZIA, DAZJ, DAZK, DAZL, DAZM, DAZN, DAZO, DAZP, DAZPA, DAZQ, DAZQA, DAZR, RDH, SDT, SDU, DAK, RDH, SDT, SDU, SDK, UDZL, UDZM, UDZN	Fecal Coliform; Manganese; Oxygen, Dissolved; Phosphorus (Total)

Mauvaise Terre Creek Watershed TMDL Implementation Plan	Limno-Tech, Inc.	12/1/2006	Yes	071300110401; 071300110402; 071300110403; 071300110404	DD-02, DD-04, DDA, DDC, SDL, SDB, SDL	Fecal Coliform; Manganese; Nitrogen, Nitrate; Oxygen, Dissolved; Phosphorus (Total)
Rayse Creek Watershed Management Plan	Southern Illinois University	11/30/2006	Yes	071401060204; 071401060205; 071401060206	NK-01, NK-02, NKB, NKC, NKD, RNZB	Iron; Manganese; Oxygen, Dissolved; pH; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)
Hodges Creek Watershed TMDL Implementation Plan	Limno-Tech, Inc.	11/1/2006	Yes	071300120201; 071300120202; 071300120203; 071300120204; 071300120205; 071300120206; 071300120207	DAG-02, DAGA, DAGAA, DAGAB, DAGAC, DAGAD, DAGAE, DAGAF, DAGB, DAGC, DAGCA, DAGD- 01, DAGDA, DAGDB, DAGDD, DAGE, RDF, SDZF, UDH, RDF, UDH, RDZP, SDZF	Manganese; Oxygen, Dissolved; pH; Phosphorus (Total)
Kinkaid Lake Phase 1 Diagnostic/Feasibility Study	Cochran & Wilken, Inc; Kinkaid-Reeds Creek Conservancy District	9/1/2006	Yes	071401061101; 071401061102	NB, NB-01, NBA, RNC, RNC	Aquatic Algae; Aquatic Plants (Macrophytes); Manganese; Nitrogen, Nitrate; Nonnative Fish, Shellfish, or Zooplankton; Oxygen, Dissolved; pH; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS); Turbidity
Glenn Shoals Lake Phase 1 Diagnostic Feasibility Study	Zahniser Institute for Environmental Studies	9/1/2006	No	071402030201; 071402030202; 071402030203	OIL-01, OIL-HB-C1, OILE, ROL, ROL	Nitrogen, Nitrate; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS); Turbidity

Indian Creek Watershed Plan	Applied Ecological Services, Inc.; Lake County Stormwater Management Commission	6/1/2006	Yes	71200040501	GU-02, RGB, RGZG, WGZV, WGK, RGZF, WGZU, RGQ, RGZJ, UGL, UGM, UGP, UGS, UGN, UGO, UGQ, UGR, VGJ, VGL, SGU, VGK, VGE	Nitrogen, Nitrate; Oxygen, Dissolved; Phosphorus (Total); Total Dissolved Solids; Total Suspended Solids (TSS)
Raccoon Lake Phase 1 Diagnostic Feasibility Study	Curl & Associates, Inc.; Hanson Professional Services Inc.	6/1/2006	Yes	071402020804; 071402020805	OJ-07, OJF, OJFA, ROK, ROK	Aquatic Algae; Aquatic Plants (Macrophytes); Nitrogen, Nitrate; Phosphorus (Total); Sedimentation/Siltation; Turbidity
Kinmundy Old Reservoir Phase 1 Diagnostic & Feasibility Study	Heartland Ecosystem Services, Inc.	9/1/2005	No	71402020505	ROZY	Aquatic Algae; Nitrogen, Nitrate; Oxygen, Dissolved; pH; Phosphorus (Total); Sedimentation/Siltation; Temperature, water; Total Dissolved Solids; Total Suspended Solids (TSS); Turbidity
Patriots Park Lake Phase 1 Diagnostic Feasibility Study	Kingsbury Park District; Heartland Ecosystem Services, Inc.; Zahniser Institute for Environmental Studies	6/1/2005	Yes	71402030308	ROY	Fecal Coliform; Nitrogen, Nitrate; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)
Casey Fork TMDL Report	Illinois Environmental Protection Agency	10/1/2004	No	071401060102; 071401060103; 071401060101	NJ-07, NJ-10, NJC, NJCA, NJCB, NJCC, NJE, RNZI, RNU	Manganese; Oxygen, Dissolved; Total Dissolved Solids

Vandalia Lake TMDL Report	Illinois Environmental Protection Agency	10/1/2004	Yes	71402020603	OZX, ROD, ROD	pH; Phosphorus (Total)
Dutchman Creek TMDL Report	Illinois Environmental Protection Agency	10/1/2004	No	051402060401; 051402060402	ADD-01, ADD-02, ADDA, ADDB-01, ADDB-02, ADDBA, RAM, RAM, RAW, RAZI, RAZD	Oxygen, Dissolved
Sequoit Creek Watershed Plan	Lake County Stormwater Management Commission	7/1/2004	No	71200061004	RTC, RTM, RTZB, VTD, RTK, STC, UTX	Fecal Coliform; Nitrogen, Nitrate; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)
Beaucoup Creek TMDL Report	Illinois Environmental Protection Agency	6/1/2004	Yes	071401061001; 071401061002; 071401061004; 071401061005; 071401061006; 071401061007; 071401061008; 071401061009; 071401061010; 071401061011; 071401061003	NC-03, NC-04, NC-09, NC-10, NCC-01, NCCA, NCE-02, NCEA, NCEB, NCF, NCG, NCH, NCI-01, NCIA, NCJ, NCK-01, NCKA, NCKB, NCKC, NCKD, NCKE, NCKF, NCL, NCM, NCN, NCNA, NCO, NCP, NCQ, NCR, RNH, RNM, RNH	Manganese; Oxygen, Dissolved; Phosphorus (Total); Sulfates; Total Dissolved Solids
Squaw Creek Watershed Management Plan	Lake County Stormwater Management Commission	5/1/2004	Yes	071200061007; 071200061008	DTL-02, DTLA-01, RTJ, RGK, RTH, RTJ, RTZP, VTZX, STQ, STR, STS, UTK, UTL, UTM, STW, STX, STZ, WTA, UTJ, UTD, UTU, UTN	Nitrogen, Nitrate; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS); Zinc

Total Maximum Daily Load Development for Fox River	Illinois Environmental Protection Agency	4/1/2004	Yes	051201140601; 051201140602; 051201140603; 051201140604; 051201140605; 051201140606	CH-02, CH-03, CHA, CHB, CHC, CHD, CHDA, CHE, CHEA-11, CHF, CHG, CHH, CHHA, CHI, CHJ, CHK, CHL-OL-C1, RCC, RCC, RCA, RCB	Oxygen, Dissolved; pH; Phosphorus (Total)
Lake Paradise Phase 1 Diagnostic/Feasibility Study	Crawford, Murphy, and Tilly, Inc; Goodpaster & Associates, Inc; Illinois Department of Natural Resources	3/1/2004	Yes	51201140101	C-24, RCG, RCG	Fecal Coliform; Nitrogen, Nitrate; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation; Total Suspended Solids (TSS)
Campus LakePhase 1 Diagnostic/Feasibility Study	Southern Illinois University	3/1/2004	No	71401060809	RNZH	Aquatic Algae; Aquatic Plants (Macrophytes); Nitrogen, Nitrate; Oxygen, Dissolved; Phosphorus (Total); Temperature, water; Total Suspended Solids (TSS); Turbidity
Tenmile Creek Watershed Restoration Plan	Tri-County Regional Planning Commission	1/1/2004	No	71300011705	DZZS, DZZSA, DZZSB	Sedimentation/Siltation; Total Suspended Solids (TSS)
Partridge Creek Watershed Restoration Plan	Tri-County Regional Planning Commission	1/1/2004	No	71300011701	DZ4H, DZJA, SDZN	Sedimentation/Siltation; Total Suspended Solids (TSS)
Ackerman Creek Watershed Restoration Plan	Tri-County Regional Planning Commission	1/1/2004	No	71300011601	DZZP-03, DZZPC, SDZW	Sedimentation/Siltation; Total Suspended Solids (TSS)

### Watershed-Based Plans in Illinois - Under Development

Title of Plan	Author(s)	Completion Date	Implementation Begun	HUC	Waterbody IDs	Causes of Impairment Addressed in Plan
Spring Brook No. 1 Watershed Plan	DuPage County Stormwater Management	5/1/2015	No		GBKA-01, GBKA, GBK-05, RGD	Alteration in stream-side or littoral vegetative covers; Chloride; Copper; Fecal Coliform; Nitrogen, Nitrate; Oxygen, Dissolved; Phosphorus (Total); Sedimentation/Siltation
Boone-Dutch Creek Watershed-based Plan	Chicago Metropolitan Agency for Planning	11/1/2015	No	71200061101	DT-23, DTN, DTZT-02, RTZD	
Upper Silver Creek Watershed-based Plan	HeartLands Conservancy	11/1/2015	No	071402040501; 071402040502; 071402040503; 071402040504; 071402040505; 071402040506	OD-06, ODM, ODMA-TR-C2, ODMA-TR-C3, ODP, ODPMA-MA-C1, ODPMA-MA-C2, ROZD, ROZL	
Buffalo Creek Watershed-Based Plan	Lake County Stormwater Management Commission	12/31/2015	No	071200040501; 071200040502; 071200040503	GS-01, GST, RGZY, WGD, WGE, SGC, SGE, UGJ, UGK, VGG, SGT, SGB	
Hurricane Creek Watershed-based Plan	Greater Egypt Regional Planning and Development Commission	11/1/2016	No	71401060705	NF-01, NFA, RNZD, RNZT	

### Watershed-Based Plans Incorporated into the Illinois Water Quality Management Plan

Watershed Name	Title of Plan	Author(s)	Completion Date	Implementation Begun	Hydrologic Unit Code	Waterbody IDs	Causes of Impairment Addressed in Plan
Upper Kishwaukee River	Upper Kishwaukee River Watershed Plan – Technical Report	Chicago Metropolitan Agency for Planning	11/1/2008	No	070900060205	PQ-13, PQJ-01, RPB	Fecal Coliform
Lawrence Creek	Lawrence Creek Watershed Plan – Technical Report	Chicago Metropolitan Agency for Planning	9/1/2008	No	070900060301; 071200060901	PQEC-A, PQEC-C PQ-13, PQJ-01, RPB	Nitrogen, Nitrate; Phosphorus (Total)
Beaver Creek	Beaver Creek Watershed Action Plan – Technical Report	Chicago Metropolitan Agency for Planning	9/1/2008	No	070900060401; 070900060402	PQD-05, PQD-06, PQD-07, PQDA-01, RPV	Nitrogen, Nitrate; Phosphorus (Total); Sedimentation/Siltation

## IMPLEMENTATION OF THE ILLINOIS NONPOINT SOURCE MANAGEMENT PROGRAM

The 2013 Program includes new 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 the following table. The table 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.

### 2013 Program Short- and Medium-Term Objectives and Milestones

TX #	ENVIRONMENTAL BENEFITS - MILESTONES	STATUS	CITATION/DESCRIPTION
A1	<p>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.</p> <p><i>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.”</i></p>	Pending	<p>Stream miles impaired by NPS by Integrated Report year. 2014 – 10,715 miles</p> <p>Percent of assessed stream miles impaired by NPS by Integrated Report year. 2014 – 60.5%</p>
A2	<p>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.</p> <p><i>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.”</i></p>	Pending	<p>Lake acres impaired by NPS by Integrated Report year. 2014 – 145,380 acres</p> <p>Percent of assessed lake acres impaired by NPS by Integrated Report year. 2014 – 97%</p>
A3	<p>Each Federal fiscal year from 2014 through 2019, Illinois EPA will achieve an additional annual load reduction in <u>sediment</u> 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.</p>	Pending	<p>BMPs implemented in the following FFYs resulted in the following annual sediment load reductions as documented through RMMS.</p> <p>FFY 2014 – 10,945 tons/year</p>

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.	Pending	BMPs implemented in the following FFYs resulted in the following annual TSS load reductions as documented through RMMS.  FFY 2014 – 57,500 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.	Pending	BMPs implemented in the following FFYs resulted in the following annual nitrogen load reductions as documented through RMMS.  FFY 2014 – 26,958 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. <i>This objective corresponds to National Water Program Guidance Measure WQ-09b.</i>	Pending	BMPs implemented in the following FFYs resulted in the following annual phosphorus load reductions as documented through RMMS.  FFY 2014 – 11,534 pounds/year
<b>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.</b>			
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 will work 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. Other BMP programs recently added to RMMS include Conservation Easements – NCED & USEPA GLRI.

B2	<p>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.</p>	Met	<p>Between 2014 and 2019 the following Phase I or Phase II type projects were started with funded under Section 319: Apple Canyon Lake Comprehensive Watershed Plan (14-05), Accelerating BMP Adoption for Lake Decatur (14-06), Lake Carlinville Improvements - Phase 2 (14-08), Candlewick Lake Bioswale Project (14-11), Lake Springfield Watershed-based Plan and BMP Implementation (14-15)</p>
B3	<p>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.</p>	Pending	
B4	<p>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.</p>	On-going	<p>This program is being piloted under the Conservation Reserve Enhancement Program (CREP) Staffing project (FAA No. 3191202) funded under Section 319 in FFY2012 and the Illinois CREP Implementation &amp; Stewardship Specialists project (FAA No. 3191404) funded under Section 319 in FFY2014.</p>
B5	<p>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. <i>This objective corresponds to National Water Program Guidance Measure WQ-10.</i></p>	On-going	<p>During 2014 one Success Story was approved by USEPA documenting a combined total of two (2) waterbodies (RBD, BPGD) that were partially or fully restored.</p>
B6	<p>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 segments identified as impaired by nonpoint source pollution in 2002. <i>This objective corresponds to National Water Program Guidance Measure WQ-21.</i></p>	Pending	

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. <i>This objective corresponds to National Water Program Guidance Measure WQ-22b.</i>	Pending	Strategies to meet this measure will be reassessed now that the new 319 Guidance has been released.
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.	On-going	A watershed-based plan data layer has been added to RMMS that includes an inventory of BMPs recommended in each plan. Investigation is underway on how to track implementation of these BMPs through 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.	Pending	
B10	Annually submit a success story to U.S. EPA Region V for consideration.	On-going	Since 2013, the number of success stories submitted to USEPA annually are as follows: 2013 – 1 (Lake Vermilion) 2014 – 0
B11	By December 2014 all TMDLs will have a universal implementation tracking system in place.	Pending	Working on implementing through RMMS.
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	On-going	Illinois' Coastal Nonpoint Pollution Control Program was submitted to NOAA and USEPA on July 31, 2014.

	Zone Act Reauthorization Amendments of 1990 (CZARA).		
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	FFY15 Section 319 grant cycle: Illinois EPA received 33 applications requesting \$10 million dollars in financial assistance.
<b>NUTRIENTS-Provide programs and initiatives for the development of nutrient reductions in the state to address water quality protection.</b>			
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 the 2014 Bureau of Water Annual Hearing. This strategy will be released to the public January 2014.	Pending	The draft <i>Illinois Nutrient Loss Reduction Strategy</i> was released to the public for comment through January 24, 2015.
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 is using 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.**

<b>D1</b>	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.
<b>D2</b>	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.

<b>D3</b>	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	
-----------	--	----------	--

<b>D4</b>	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.**

<b>E1</b>	Investigate the possibility of incorporating a statewide wetlands net gain/loss as a data layer to RMMS by 2016.	Pending	Illinois EPA staff have been in communication with the Illinois Department of Natural Resources on this issue.
<b>E2</b>	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.**

<b>F1</b>	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.		2013: 150 Lakes (7% increase) 2014: 152 Lakes (8% increase)
-----------	--	--	--

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.	On-going	An urban workshop was held September 9 and 10, 2014.
<b>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.</b>			
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.	On-going	To be 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.	On-going	The Draft 2013-2018 Illinois Water Monitoring Strategy was submitted to USEPA Region V on May 30, 2014 for comment.  Although suspended sediment concentration was considered as a new parameter for the updated strategy it will not be 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 September 2014.	On-going	Illinois EPA Watershed Management staff was included on the working team to provide suggested revisions to the updated Strategy. Region V comments will be 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	<p>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.</p>	On-going	<p>Pilot project is being conducted on Vermont Reservoir/Sugar Creek and Canton Lake. Stage 3 has been initiated and is due to be completed August 2015.</p>
G7	<p>Annually have a Social Indicator Project either started or in the process of completion.</p>	On-going	<p>Illinois had the following social indicator projects:</p> <p>2013 - Watershed Liaison (08-17, completed); Indian Creek Watershed Project (13-11, started)</p> <p>2014 - Indian Creek Watershed Project (13-11, underway); Lake Bloomington &amp; Evergreen Watershed Social Assessment (14-13, started)</p>
<p><b>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.</b></p>			
H1	<p>During 2014 through 2018, seven (7) Watershed-based Plans covering at least ten (10) 12-digit hydrologic unit codes will be completed or updated.</p>	Pending	<p>2014: 9 watershed-based plans covering 19 12-digit hydrologic unit codes.</p>
H2	<p>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.</p>	On-going	
H3	<p>Incorporate groundwater and source water protection into watershed based plans</p>	On-going	
H4	<p>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.</p>	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	<p>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</p>	Not Met	<p>FY2011 funding levels were as follows: CPP \$811,477; Special Projects \$12,409; SSRP \$207,534; Sust. Ag. \$100,000.</p> <p>FY2012 funding levels were as follows: CPP \$681,400; SSRP \$92,288; Sust. Ag. \$66,000.</p> <p>FY2013 funding levels were as follows: CPP \$649,000; SSRP \$125,000; Sust. Ag. \$50,000; Special Projects 15,383.</p> <p>FY2014 funding levels were as follows: CPP \$803,000; SSRP \$220,070; Sust. Ag. \$119,915; Special Projects \$5,000.</p>
----	--	---------	--

**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	<p>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.</p>	On-going	<p>The Illinois Urban Manual Update &amp; NPS Program Assistance project was funded under the FFY 2011 Section 319 grant (11-03) and FFY2013 Section 604b grant (604133) to achieve this milestone.</p>
----	---	----------	---

J2	<p>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.</p>	On-going	<p>The Illinois Green Infrastructure Grant Program was implemented in SFY 2011, 2012, 2013, and 2014. BMP implementation is reported through RMMS and GRTS.</p>
----	--	----------	---

**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	<p>Continue coordination of the Generic SMP for Pesticides in Groundwater (include the dedicated pesticide monitoring network) with the ICCG, GAC, and Regional Planning Committees</p>	On-going	
----	---	----------	--



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

Under Section 319 of the CWA, 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.

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

**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	Section 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	\$2,324,564	\$3,425,436	9	8	\$700,000
2013	999520013	05/29/13	04/01/13	03/31/18	\$6,114,000	\$2,289,332	\$3,824,668	14	0	
2014	999520014	04/28/14	04/01/14	03/31/19	\$6,254,000	\$2,337,189	\$3,916,811	18	0	
	<b>Totals</b>				<b>\$143,533,352</b>	<b>\$52,160,731</b>	<b>\$91,372,621</b>	<b>455</b>	<b>422</b>	<b>\$10,575,829</b>

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 grants available to control nonpoint source pollution in Illinois can be found at the Illinois EPA's website (<http://www.epa.state.il.us/water/financial-assistance/non-point.html>).

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 (<http://iaspub.epa.gov/pls/grts/f?p=110:199:1425698992823918>).

Individual best management practices (BMP) 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 (<http://www.rmms.illinois.edu>).

The following table 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.

### Section 319 NPS Program - Summary of Completed BMPs

BMP Name (code) by NPS Category	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	-	216	28	-	28
Conservation Cover (327)	-	119	-	1,526	767	-	695
Conservation Tillage (329)	-	23,639	-	51,082	25,696	-	157,288
Cover and Green Manure Crop (340)	-	453	-	1,594	796	-	713
Critical Area Planting (342)	-	15	-	1,116	559	-	3,915
Sediment Basin (350)	137	-	-	9,196	3,669	-	22,943
Diversion (362)	-	-	301	548	58	-	7
Pond (378)	136	-	-	19,204	9,217	-	23,659
Filter Strip (393)	-	13,885	-	329,813	167,170	-	106,822
Grade Stabilization Structure (410)	177	-	-	4,361	2,060	-	4,814
Grassed Waterway (412)	-	272	-	8,710	4,337	6	20,794
Structure for Water Control (587)	1	-	-	-	-	-	-
Nutrient Management (590)	-	147,244	-	109,915	54,325	-	36,522
Terrace (600)	-	-	141,461	6,977	3,611	-	11,483
Tree Planting (612)	-	6,988	-	53,854	26,933	-	22,917
Water and Sediment Control Basin (638)	-	-	220,461	23,066	9,656	-	29,101

Infiltration Trench (845)	2	-	-	7	-	827	-
Level Spreader (870)	3	-	-	-	-	-	-
Permanent Seeding (880)	-	1,866	-	4,361	2,188	-	1,625
Rock Outlet Protection (910)	4	-	-	271	135	-	135
HYDROLOGIC							
Wetland Acquisition (6)	-	242	-	-	-	-	-
Dredging (7)	10	-	-	-	-	-	-
Stream Channel Restoration (9)	-	-	33,450	15,180	7,386	-	7,295
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)	-	-	541,202	94,535	47,236	1,523	71,713
Ditch Stabilization (581)	-	-	6,565	612	309	11,752	299
Stream Channel Stabilization (584)	-	-	39,937	3,277	1,542	-	1,664
Wetland Restoration (657)	-	1,455	-	6,675	3,354	693,928	8,597
LIVESTOCK							
Waste Management System (312)	7	-	-	16,486	3,062	-	45
Waste Storage Structure (313)	25	-	-	28,103	4,430	-	23
Fencing (382)	-	-	12,309	66	33	-	37
Livestock Exclusion (472)	-	193	-	128	66	-	70
Pasture and Hayland Management (510)	-	416	-	-	-	-	-
Pasture and Hayland Planting (512)	-	392	-	1,630	817	-	627
Planned Grazing Systems (556)	-	751	-	993	507	-	383
Roof Runoff Management (558)	6	-	-	17,265	2,925	-	-
Roofing for Runoff Control (559)	3	-	-	1,876	1,331	-	-
Runoff Management System (570)	4	-	-	33	6	-	-
Stock Trails and Walkways (575)	-	-	1,283	-	-	-	-
Trough or Tank (614)	2	-	-	-	-	-	-
Wash Water Recovery (634)	4	-	-	29	739	-	-
OTHER2							
Education (1)	140	-	-	-	-	-	-
Monitoring (2)	39	-	-	-	-	-	-
Planning/Administration (3)	78	-	-	-	-	-	-
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	-	-	-	-	-
nutrient inactivation (27)	1	-	-	-	-	-	-

habitat enhancement (29)	1	-	-	-	-	-	-
buffer zone enhancement / installation (35)	-	90	-	322	173	41	108
Forest Land Erosion Control System (408)	-	278	-	24,615	12,252	-	16,259
Land Reconstruction, Abandoned Mined Land (543)	-	62	-	-	-	-	-
Land Reconstruction, Currently Mined Land (544)	-	16	-	-	-	-	-
Wildlife Wetland Habitat Management (644)	-	4	-	-	-	-	-
Woodland Improvement (666)	-	2,398	-	79	39	271	45
URBAN							
Oil and Grit Seperator (10)	12	-	-	36	1	7,417	-
Green Roof (11)	-	1	-	2	11	23,285	-
Rain Garden (13)	55	-	-	372	134	136,905	-
Street Sweeping (17)	1	-	-	-	1	4,730	-
Critical Area Planting (342)	-	0	-	-	-	46	-
Sediment Basin (350)	15	-	-	2,793	953	157,755	7,695
Dike (356)	-	-	100	-	-	-	-
Grade Stabilization Structure (410)	229	-	-	97,701	48,866	-	48,876
Recreation Area Improvement (562)	-	8	-	-	-	-	-
Terrace (600)	-	-	4,000	1	-	267	-
Tree Planting (612)	-	5	-	36	18	-	14
Water and Sediment Control Basin (638)	-	-	2,000	-	-	-	58
Urban Stormwater Wetlands (800)	54	-	-	9,141	2,198	2,072,421	14
Bioswale (814)	-	5	-	1,610	224	231,970	-
Urban Filter Strip (835)	-	12	-	299	52	63,019	-
Grass-Lined Channels (840)	-	5	-	299	119	75,043	33
Infiltration Trench (845)	44	-	-	49	31	21,277	1
Land Grading (865)	-	2	-	9	5	-	6
Level Spreader (870)	7	-	-	124	27	19,120	-
Permanent Seeding (880)	-	2	-	9	5	-	6
Porous Pavement (890)	-	14	-	539	52	67,257	-
Rock Outlet Protection (910)	17	-	-	-	-	-	-
Subsurface Drain (945)	-	-	1	3	-	339	-

**Totals            950,749            450,112            3,589,292            607,331**

The following table 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.

**Section 319 NPS Program**

**Pollutant Load Reductions Estimated for Completed BMPs**

<b>Federal Fiscal Grant Year</b>	<b>Nitrogen Lbs./Year</b>	<b>Phosphorus Lbs./Year</b>	<b>TSS Lbs./Year</b>	<b>Sediment Tons/Year</b>
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	11,851	6,405	3,373	5,193
2013	4,195	2,115	0	1,696
2014	1,680	840	0	757

## COMPLETED PROJECTS

### FFY12 FEDERALLY FUNDED SECTION 319 PROJECTS

**Title:** RMMS Maintenance and Enhancement

**Purpose:** This project continued the development and maintenance of Illinois EPA water quality databases in the Resource Management Mapping Service (RMMS). These databases included Section 319 funded best management practices, Lakes Program BMPs and diagnostic/feasibility studies, Watershed-based Plans, Illinois Green Infrastructure Grant Program for Stormwater Management (IGIG) BMPs, and Potential NPS Pollution Control Projects as well as new databases specified by Illinois EPA. Funding were also used to update and expand the RMMS website maintained at the University of Illinois, tools needed for analysis, as well as the public and internal reports generated. RMMS, as a vehicle for interactively creating and managing records in these water quality databases, provided the ability for data to be viewable and queryable and reports to be generated based on that data instantaneously. While the databases and the website are external to Illinois EPA, work was done under the direction of the Illinois EPA Bureau of Water.

**Project Location:** Statewide

**Subgrantee:** University of Illinois  
1901 South First Street, Suite A  
Champaign, Illinois 61820

12-01(319)SR

---

**Title:** Flint Creek Stream and Floodplain Restoration

**Purpose:** This project stabilized approximately 1,900 feet of eroding streambanks and streambed and established a 25 ft. wide vegetative buffer (4 acres) over two segments of North Flint Creek, a tributary to Grassy Lake (VTI) and Flint Creek (ILDZS-01) in the Village of North Barrington. The segments included both sides of an approximately 2,000 foot stretch (upstream site) in Section 13, T43N, R9E and the north side of a 300 foot stretch (downstream site) in Section 14. Streambanks were stabilized through re-grading, riprap stone toe protection (1,797 ft on upstream site & 103 ft on downstream site), erosion control matting, native plant plugs and trees, native seed, riffles (18 on upstream site & 2 on downstream site), and vegetated geogrid. Additionally, the village informed the community about the project through newsletters, public meetings/presentations, and web updates.

**Project Location:** Lake County

**Subgrantee:** Village of North Barrington  
111 Old Barrington Rd.  
North Barrington, Illinois 60010

**Project Reports and Other Informational Materials:**

“Flint Creek Stream and Floodplain Restoration – Final Report.” January 15, 2014. Village of North Barrington.

**BMP Implementation Summary:**

BMP Code	BMP Name	Amount	Estimated Load Reduction		
			Sediment (Tons/Yr.)	Phosphorus (Pounds/Yr.)	Nitrogen (Pounds/Yr.)
580	Streambank and Shoreline Protection	1,900 ft.	56	49	96
835	Urban Filter Strip	4.0 ac.	-	5	56

12-03 (319)JC

---

**Title:** Lake Sara Shoreline Stabilization Project

**Purpose:** This project stabilized 9,577 feet of eroding shoreline on Lake Sara (ILRCE) through the installation of transitional wetland breakwaters. Another 3,911 feet of eroding bare shoreline or deteriorated seawall were stabilized with rip rap by private landowners at their expense. An information and education program was implemented that consisted of brochures, resident program letters, public awareness presentations, and booth displays.

**Project Location:** Effingham County

**Subgrantee:** Effingham Water Authority  
P. O. Box 411  
Effingham, Illinois 62401

**Project Reports and Other Informational Materials:**

“Lake Sara Shoreline Protection Project.” February 19, 2014. Effingham Water Authority.

**BMP Implementation Summary:**

BMP Code	BMP Name	Amount	Estimated Load Reduction		
			Sediment (Tons/Yr.)	Phosphorus (Pounds/Yr.)	Nitrogen (Pounds/Yr.)
580	Streambank and Shoreline Protection	13,488 ft.	1,158	1,158	2,315

12-04(319) ST

---

**Title:** City of Tuscola NPS Pollution Reduction Project

**Purpose:** This project constructed 2,700 feet of two-stage drainage ditch along Scattering Fork (IL\_BER-01), a tributary of the Embarras River. The floodplain shelf on the west bank was expanded 30 feet and one acre of bioswale installed along the channel to maximize the impact the floodplain shelf has on the stormwater runoff within the watershed. Do to site constraints and the urban nature of the site, a two-stage shelf was only constructed on the west bank. The two-stage ditch reduced erosion and sediment and nutrients in the stream. Also, a stormwater treatment

wetland was constructed outside of the channel at the north end of the project site to trap urban runoff from residential areas. This wetland receives and treats runoff from high flow events in Scattering Fork and tile flow from adjacent crop ground was modified to outlet directly into the wetland prior to reaching the stream.

**Project Location:** Douglas County

**Subgrantee:** City of Tuscola  
214 N. Main Street  
Tuscola, Illinois 61953

**Project Reports and Other Informational Materials:**

“City of Tuscola NPS Pollution Reduction Project.” January 31, 2014. City of Tuscola.

**BMP Implementation Summary:**

BMP Code	BMP Name	Amount	Estimated Load Reduction		
			Sediment (Tons/Yr.)	Phosphorus (Pounds/Yr.)	Nitrogen (Pounds/Yr.)
009	Stream Channel Restoration	2,700 ft.	13.5	100	611
800	Urban Stormwater Wetlands	1 no.	13.5	100	611

12-05(319)SR

**Title:** West Branch DuPage River Corridor Restoration

**Purpose:** This project included riparian zone restoration and bank stabilization along a 3.3 mile segment of the West Branch DuPage River (ILGBK05) just upstream of Warrenville, in the McDowell Grove Forest Preserve in Naperville, Illinois. Best management practices included 1) the implementation of 7,625 linear feet of streambank stabilization using vegetated rock toe, emergent wetland toe, large woody debris, and boulder clusters; 2) the implementation of six (6) pool/riffles for stream channel stabilization; 3) the installation of energy dissipation practices at nine (9) sites within the project area; 4) site preparation including removal of existing vegetation and the re-grade of incised banks into floodplain terraces to allow the river to access the floodplain areas more frequently; and 5) the restoration of 58.25 acres of wetland and/or riparian buffer vegetation. The project also included an outreach component to educate the public about nonpoint source pollution reduction opportunities available to them.

**Project Location:** DuPage County

**Subgrantee:** DuPage County Division of Stormwater Management  
421 N. County Farm Road  
Wheaton, Illinois 60187

**Project Reports and Other Informational Materials:**

“West Branch DuPage River Corridor Restoration Project – Final Report.” September 30, 2014. County of DuPage Department of Stormwater Management.

**BMP Implementation Summary:**

BMP Code	BMP Name	Amount	Estimated Load Reduction		
			Sediment (Tons/Yr.)	Phosphorus (Pounds/Yr.)	Nitrogen (Pounds/Yr.)
580	Streambank and Shoreline Protection	7,625 ft.	366	366	732
584	Stream Channel Stabilization	9,800 ft.	?	?	?
035	Buffer Zone Enhancement/Installation	58.25 ac.	92	140	261
910	Rock Outlet Protection	9 no.	?	?	?

12-07(319) CD

---

**Title:** Nonpoint Source Pollution Management Workshop

**Purpose:** Illinois EPA hosted the first statewide biennial 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. Future biennial workshops will alternate between rural and urban agendas. The 2012 workshop focused on nutrients and other rural issues and included components that presented information on topics such as development and implementation of watershed based plans, Total Maximum Daily Loads (TMDL) and Load Reduction Strategies (LRS). The workshop also presented best management practice (BMP) technologies and application, and the use of water quality and technology-based tools for NPS pollution control. The workshop was designed to capture stakeholder and partner needs in regard to the Program to be used in the NPS Management Program Feedback Loop.

**Project Location:** Statewide

**Project Reports and Other Informational Materials:**

“Rural Landscape NPS Workshop – Final Report.” June 28, 2013. Illinois Environmental Protection Agency.

12-08 (319)CD

**ONGOING PROJECTS**

**FFY12 FEDERALLY FUNDED SECTION 319 PROJECTS**

**Title:** Streambank Clean Up & Lakeshore Enhancement (SCALE)

**Purpose:** This project will provide financial assistance to selected applicants to conduct lakeshore and streambank clean-up events between 01/01/13 and 01/31/16. Local organizations that have previously conducted a lakeshore or streambank clean-up event will be eligible to participate. The local sponsor will be given up to \$3,500 to help conduct their clean-up event. The local sponsor can use the funds for event promotion, event equipment or disposal fees.

**NPS Program:** Hydrologic Modification

**Project Location:** Statewide

**Waterbody Name (ID):** Not Applicable

**Subgrantee:** Not Applicable

**Project Period:** 11/30/12 through 01/31/16

<b>Total Project Cost:</b>	\$115,750.00	<b>Cumulative Expenditure:</b>	\$75,750.00
<b>Federal:</b>	\$115,750.00	<b>Federal:</b>	\$75,750.00
<b>State and Local:</b>	\$0.00	<b>State and Local:</b>	\$0.00

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Application Submittal, Year 1	11/30/12	Yes	
Application Submittal, Year 2	11/30/13	Yes	
Application Submittal, Year 3	11/30/14	Yes	
Project Selection, Year 1	03/31/13	Yes	
Project Selection, Year 2	03/31/14	Yes	
Project Selection, Year 3	03/31/15	No	
Final Report	01/31/16	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**FFY12 FEDERALLY FUNDED SECTION 319 PROJECTS (INCREMENTAL FUNDS)**

**Title:** Total Maximum Daily Load Development

**Purpose:** The Illinois EPA will develop Total Maximum Daily Loads (TMDLs) and implementation plans for each pollutant within selected watersheds on the 303(d) list through computer modeling. For each watershed, computer models will be used to identify a distribution of pollutant loading (allocation) that can be expected to result in the attainment of water quality standards. The methodologies used for TMDL development will be documented. Modeling results will be used to support the development of implementation plans for TMDL attainment.

**NPS Program:** Monitoring/Evaluation

**Project Location:** TBA

**Waterbody Name (ID):** TBA

**Subgrantee:** TBA

**Project Period:** TBA

<b>Total Project Cost:</b>	\$700,000.00	<b>Cumulative Expenditure:</b>	\$0.00
<b>Federal:</b>	\$700,000.00	<b>Federal:</b>	\$0.00
<b>State and Local:</b>	\$0.00	<b>State and Local:</b>	\$0.00

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Watershed Interim Reports No. 1	TBA	No	
Watershed Interim Reports No. 2	TBA	No	
Watershed Interim Reports No. 3	TBA	No	
Watershed Final Reports	TBA	No	
Participate in a General Public Meeting	TBA	No	
Participate in Basin Specific Meetings	TBA	No	
Participate in Public Hearings	TBA	No	
Install Methodologies or Models at Illinois EPA	TBA	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** Conservation Reserve Enhancement Program (CREP) Staffing

**Purpose:** This project will provide well trained, effective staff (CREP Resource Specialists) to promote and to work with landowners enrolling or currently enrolled in CREP to 1) extend to a 35 year or permanent State conservation easement and/or, 2) enhance the retired land with water quality BMPs. The staff will geographically cover the CREP designated areas (Illinois & Kaskaskia River Basins). The distribution of staff will be strategically placed to insure the highest level of effectiveness giving priority to acres in close proximity to the lakes and stream segments identified on the 303 (d) and impaired waters that have a TMDL. A project report will be prepared that explains the project goals and documents the steps taken and results achieved. The report shall include a list of the soil and water conservation districts involved and their CREP accomplishments, including a summary by 12-digit Hydrologic Unit Code (HUC) of the CREP best management practices (BMPs) implemented in association with this project.

**NPS Program:** Agriculture

**Project Location:** Statewide

**Waterbody Name (ID):** Illinois River and Kaskaskia River

**Subgrantee:** Association of Illinois Soil & Water Conservation Districts  
4285 N. Walnut Street Road  
Springfield, Illinois 62707

**Project Period:** 08/13/12 through 07/01/15

<b>Total Project Cost:</b>	\$791,100.00	<b>Cumulative Expenditure:</b>	\$691,699.91
<b>Federal:</b>	\$191,100.00	<b>Federal:</b>	\$191,100.00
<b>State and Local:</b>	\$600,000.00	<b>State and Local:</b>	\$500,599.91

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Draft Job Description	08/01/12	Yes	
Final Job Description	09/01/12	Yes	
List of LUCs	09/01/12	Yes	
Hire CREP Resource Specialists	10/01/12	Yes	
First Annual Report	09/01/13	Yes	
Second Annual Report	09/01/14	Yes	
Draft Project Report	06/01/15	No	
Final Project Report	07/01/15	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** Clinton County Livestock Waste Management Project

**Purpose:** The goal of this project is to assist 10 livestock producers within Clinton County with their waste handling facilities. The county has many impaired watersheds that have livestock identified as a source of impairment and only facilities located in these watersheds will be eligible. Any facility that requires an NPDES permit will not be eligible. Nine (9) facilities have been identified and contacted that meet the above criteria. All facilities that request assistance will have a Comprehensive Nutrient Management Plan (CNMP) developed that meets the NRCS requirements.

**NPS Program:** Agriculture

**Project Location:** Clinton County

**Waterbody Name (ID):** Shoal Creek (ILOI05), Sugar Creek (ILOH)

**Subgrantee:** HeartLands Conservancy  
406 East Main Street  
Mascoutah, Illinois 62258

**Project Period:** 07/17/12 through 07/31/15

<b>Total Project Cost:</b>	\$1,244,617.00	<b>Cumulative Expenditure:</b>	\$633,072.43
<b>Federal:</b>	\$741,740.00	<b>Federal:</b>	\$375,741.25
<b>State and Local:</b>	\$502,877.00	<b>State and Local:</b>	\$257,331.18

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Draft Watershed Implementation Strategy	08/01/12	Yes	
Final Watershed Implementation Strategy	09/15/12	Yes	
Technical Assistance	07/31/15	No	
Pre-Construction Review Submittal	01/01/15	Yes	10 project reviewed.
Begin BMP Construction for 6 Operations	08/01/14	No	8 projects started.
Begin Construction for Remaining Operations	04/15/15	No	4 projects completed.
Complete Construction of All BMPs	06/01/15	No	
Photo Documentation of Construction	06/01/15	No	
Draft Final Report	06/01/15	No	
Final Report	07/31/15	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**FFY13 FEDERALLY FUNDED SECTION 319 PROJECTS**

**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 will alternate between rural and urban agendas. The 2014 workshop will focus on urban issues and will include components that present information on topics such as development and implementation of watershed based plans, Total Maximum Daily Loads (TMDL) and Load Reduction Strategies (LRS). 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:** Not Applicable

**Project Period:** 07/29/13 through 05/30/15

<b>Total Project Cost:</b>	\$40,268.00	<b>Cumulative Expenditure:</b>	\$0.00
<b>Federal:</b>	\$40,268.00	<b>Federal:</b>	\$0.00
<b>State and Local:</b>	\$0.00	<b>State and Local:</b>	\$0.00

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Technical Advisory Committee	11/30/13	Yes	
Develop Program	04/30/14	Yes	
Hold Workshop	12/31/14	Yes	
Draft Project Report	03/31/15	Yes	
Final Project Report	04/30/15	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** Kickapoo Creek National Monitoring Project

**Purpose:** This project will conduct surface water monitoring of Kickapoo Creek to determine the effectiveness of the "Kickapoo Creek Corridor Restoration Project". Monitoring shall document the biological enhancement resulting from the restoration project by determining: 1) effectiveness of the stream restoration in terms of stream fisheries in the restored stream segments, 2) sediment transport through the restored stream segments, 3) construction erosion controls, 4) reduction of stream bank erosion by re-vegetation, and 5) effectiveness of floodplain wetland restoration in capturing residential runoff after the housing development has been constructed. Data collection and analysis will also include fecal coliform bacteria samples. All monitoring and associated data collected will be entered into U. S. EPA's Nonpoint Source Management System (NPSMS) and U. S. EPA's STORET system.

**NPS Program:** Monitoring/Evaluation

**Project Location:** McLean County

**Waterbody Name (ID):** Kickapoo Creek (ILEIE03)

**Subgrantee:** US Geological Survey  
1201 West University Avenue, Suite 100  
Urbana, Illinois 61801-2347

**Project Period:** 09/24/13 through 09/30/15

<b>Total Project Cost:</b>	\$406,000.00	<b>Cumulative Expenditure:</b>	\$253,000.00
<b>Federal:</b>	\$406,000.00	<b>Federal:</b>	\$253,000.00
<b>State and Local:</b>	\$0.00	<b>State and Local:</b>	\$0.00

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
First Year of Data	09/30/14	No	
Second Year of Data	09/30/15	No	
First Annual Report	09/30/14	No	
Second Annual Report	09/30/15	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** Buffalo Creek Watershed-Based Plan

**Purpose:** This project will develop a watershed-based plan for the Buffalo Creek watershed, a tributary to the Upper Des Plaines River, located in Cook and Lake Counties, Illinois. The plan will be consistent with the USEPA watershed based plan guidance dated April 12, 2013 (as revised), Chicago Metropolitan Agency for Planning's "Guidance for Developing Watershed Action Plans in Illinois" dated June 2007, total maximum daily load (TMDL) implementation plan requirements, and current watershed planning principles. The watershed-based planning process will focus on addressing water quality impairments in the watershed and provide the structure for reduction of nonpoint source pollution.

**NPS Program:** All Sources

**Project Location:** Cook and Lake Counties

**Waterbody Name (ID):** Buffalo Creek (ILGST)

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

**Project Period:** 07/23/13 through 12/31/15

<b>Total Project Cost:</b>	\$204,854.00	<b>Cumulative Expenditure:</b>	\$0.00
<b>Federal:</b>	\$104,400.00	<b>Federal:</b>	\$0.00
<b>State and Local:</b>	\$100,454.00	<b>State and Local:</b>	\$0.00

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Watershed Resources Inventory	08/01/14	Yes	
Draft Watershed-based Plan	08/01/15	No	
Final Watershed-based Plan	12/31/15	No	
Draft Executive Summary	08/01/15	No	
Final Executive Summary	12/31/15	No	
Self-Assessment of Plan	12/31/15	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** Outreach to Farmers: Lake Mauvaise Terre Watershed

**Purpose:** This project will provide information and outreach aimed primarily at ag stakeholders to encourage their adoption of nutrient management and conservation best management practices (BMPs) and thus help reduce nonpoint source (NPS) pollution loadings. A product of this effort will be a list of practices that when implemented will reduce nutrient and sediment loadings as defined in the TMDL report. This project will also develop a watershed-based plan for the Lake Mauvaise Terre (IL\_SDL) watershed that is consistent with the USEPA watershed-based plan guidance dated April 12, 2013 (as revised).

**NPS Program:** All Sources

**Project Location:** Morgan County

**Waterbody Name (ID):** Mauvaise Terre Lake (IL\_SDL) & Mauvaise Terre River (ILDD-02 & ILDD-04)

**Subgrantee:** American Farmland Trust  
2717 Blue Ridge Court  
Bloomington, Indiana 47408

**Project Period:** 08/28/13 through 08/31/15

<b>Total Project Cost:</b>	\$200,000.00	<b>Cumulative Expenditure:</b>	\$69,833.39
<b>Federal:</b>	\$120,000.00	<b>Federal:</b>	\$41,282.87
<b>State and Local:</b>	\$80,000.00	<b>State and Local:</b>	\$28,550.52

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Hire Coordinator	10/01/13	Yes	
Draft Education & Outreach Strategy	10/01/13	Yes	
Final Education & Outreach Strategy	11/01/13	Yes	
Implement Education & Outreach Strategy	07/01/15	No	
Final Watershed-based Plan	10/31/14	Yes	
Draft BMP Recommendation Tables	07/01/15	No	
Final BMP Recommendation Tables	08/31/15	No	
Draft Project Report	07/01/15	No	
Draft Project Report	08/31/15	No	

**Comments:**

**Project Reports and Other Informational Materials:**

“Lake Mauvaise Terre Watershed Implementation Plan.” October 31, 2014. American Farmland Trust & Northwater Consulting.

**Title:** RMMS Maintenance and Enhancement

**Purpose:** This project will continue the development and maintenance of Illinois EPA water quality databases in the Resource Management Mapping Service (RMMS). These databases include Section 319 funded best management practices, Lakes Program BMPs and diagnostic/feasibility studies, Watershed-based Plans, Illinois Green Infrastructure Grant Program for Stormwater Management (IGIG) BMPs, and Potential NPS Pollution Control Projects as well as new databases specified by Illinois EPA. Funding will also be used to update and expand the RMMS websites maintained at the University of Illinois, tools needed for analysis, as well as the public and internal reports generated. RMMS, as a vehicle for interactively creating and managing records in these water quality databases, provides the ability for data to be viewable and queryable and reports to be generated based on that data instantaneously. While the databases and the website are external to Illinois EPA, work is done under the direction of the Illinois EPA Bureau of Water.

**NPS Program:** All Categories

**Project Location:** Statewide

**Waterbody Name (ID):** Not Applicable

**Subgrantee:** University of Illinois  
1901 South First Street, Suite A  
Champaign, Illinois 61820

**Project Period:** 09/17/13 through 07/31/16

<b>Total Project Cost:</b>	\$430,555.00	<b>Cumulative Expenditure:</b>	\$0.00
<b>Federal:</b>	\$310,000.00	<b>Federal:</b>	\$0.00
<b>State and Local:</b>	\$120,555.00	<b>State and Local:</b>	\$0.00

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Implement All Maintenance and Enhancements	07/15/16	No	
Draft Final Report	07/15/16	No	
Final Report	07/31/16	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** Lake Wildwood Stream and Floodplain Restoration

**Purpose:** This project will stabilize 1,200 feet (both banks of a 600 foot segment) of eroding streambank along Shaw Creek using stone toe protection, rock riffles, bank grading, and native riparian vegetation. A sediment basin will also be built to trap and hold sediment before it enters the lake.

**NPS Program:** Agriculture & Hydrologic Modification

**Project Location:** Marshall County

**Waterbody Name (ID):** Lake Wildwood (ILRDK) & Shaw Creek (ILDPA)

**Subgrantee:** Lake Wildwood Association Inc.  
1000 Lake Wildwood Drive  
Varna, Illinois 61375

**Project Period:** 09/24/13 through 09/30/15

<b>Total Project Cost:</b>	\$208,757.00	<b>Cumulative Expenditure:</b>	\$47,869.00
<b>Federal:</b>	\$125,254.00	<b>Federal:</b>	\$28,721.40
<b>State and Local:</b>	\$83,503.00	<b>State and Local:</b>	\$19,147.60

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Draft Design	07/01/14	Yes	
Final Design	08/31/14	Yes	
Draft Operation & Maintenance Plan	07/01/14	Yes	
Final Operation & Maintenance Plan	08/31/14	Yes	
Complete Installation of BMPs	08/31/15	No	
Photographic Documentation of Construction	09/30/15	No	
Install Sign	06/30/14	No	
Draft Project Report	08/15/15	No	
Final Project Report	09/30/15	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**FFY13 FEDERALLY FUNDED SECTION 319 PROJECTS (INCREMENTAL FUNDS)**

**Title:** Countywide Watershed BMP Implementation Program

**Purpose:** This project will implement best management practices (BMPs) at three sites. The Indian Creek Streambank Stabilization project component will stabilize 1,930 linear feet of eroded streambank along Indian Creek through re-shaping the bank; applying topsoil, native seed, erosion control blanket; installing coir logs planted with native plugs or rock toe along the toe of the slope; and installing 4 riffles for grade control. The Kildeer Creek Streambank and Stream Channel Stabilization project component will stabilize 550 feet of eroding streambank and stream channel on Kildeer Creek through re-grading the banks slope and installing erosion control blanket and native vegetation, boulder toe or articulated concrete block at the normal water line, and a riffle for channel grade control. The Skokie River Restoration project component will daylight 1,250 linear feet of stream.

**NPS Program:** Hydrologic Modification

**Project Location:** Lake County

**Waterbody Name (ID):** Indian Creek (ILGU-02) & Skokie River (ILHCCD-01)

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

**Project Period:** 08/06/13 through 05/30/16

<b>Total Project Cost:</b>	\$1,726,315.00	<b>Cumulative Expenditure:</b>	\$0.00
<b>Federal:</b>	\$907,850.00	<b>Federal:</b>	\$0.00
<b>State and Local:</b>	\$818,465.00	<b>State and Local:</b>	\$0.00

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
<b>SKOKIE RIVER RESTORATION</b>			
Draft Design Specifications	10/31/14	Yes	
Final Design Specifications	01/31/15	Yes	
Final Permits & Agreements	10/31/14	Yes	
Draft Operation & Maintenance Plan	10/31/14	Yes	
Final Operation & Maintenance Plan	01/31/15	Yes	
Design Implementation	07/31/15	No	
Photo Documentation of Implementation	10/31/15	No	
Project Sign Designs	01/31/14	Yes	
Install Signs	07/31/15	No	
<b>INDIAN CREEK STREAMBANK STABILIZATION</b>			
Draft Design Specifications	10/31/14	Yes	
Final Design Specifications	01/31/15	Yes	
Final Permits & Agreements	10/31/14	Yes	
Draft Operation & Maintenance Plan	10/31/14	Yes	
Final Operation & Maintenance Plan	01/31/15	No	
Design Implementation	07/31/15	Yes	
Photo Documentation of Implementation	10/31/15	No	

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Project Sign Designs	01/31/14	Yes	
Install Signs	07/31/15	No	
<b>KILDEER CREEK STREAMBANK &amp; CHANNEL STABILIZATION</b>			
Draft Design Specifications	10/31/14	Yes	
Final Design Specifications	01/31/15	Yes	
Final Permits & Agreements	10/31/14	No	
Draft Operation & Maintenance Plan	10/31/14	Yes	
Final Operation & Maintenance Plan	01/31/15	Yes	
Design Implementation	07/31/15	No	
Photo Documentation of Implementation	10/31/15	No	
Project Sign Designs	01/31/14	Yes	
Install Signs	07/31/15	No	
Draft Final Report	08/31/15	No	
Final Report	10/31/15	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** Upper Babbling Brook Multi-BMP Project

**Purpose:** This project will strategically implement best management practices (BMPs) along 3.18 miles of Babbling Brook, a tributary of Lost Nation Lake within the Clear Creek watershed near Dixon, Illinois. Approximately 1,030 feet of eroding, channelized stream on Babbling Brook over 3 sites will be re-meandering and stabilized. Approximately 1,163 feet of eroding streambank on Babbling Brook over multiple sites will be stabilized using rip rap and by thinning trees, removing brush, and restoring native plant communities to establish 3 acres of native plant filter strip along the stabilized streambanks. Approximately 4,500 feet of livestock exclusion fencing will be installed over approximately 10 acres to limit the access of cattle to Babbling Brook. Livestock stream crossings will be installed at 4 locations on Babbling Brook. A 2.55 acre sediment containment basin will be constructed on Babbling Brook with 2,006 feet of rip rap and 9.5 acres of native plant filter strip installed around the sediment basin. A severely eroded ditch, formed in a pasture from a tile outlet draining adjacent crop fields will be treated by extending the tile 1,100 ft where water will discharge to a controlled area along the shoreline of the sediment basin and establishing a grassed waterway above the extended tile.

**NPS Program:** Hydrologic Modification & Agriculture

**Project Location:** Ogle County

**Waterbody Name (ID):** Lost Nation Lake (ILRPZF) & Clear Creek (ILPZU)

**Subgrantee:** Lost Nation / New Landing River Conservancy District  
205 Cuyahoga Drive, Suite A  
Dixon, Illinois 61021

**Project Period:** 06/26/13 through 07/31/15

<b>Total Project Cost:</b>	\$600,000.00	<b>Cumulative Expenditure:</b>	\$530,674.87
<b>Federal:</b>	\$360,000.00	<b>Federal:</b>	\$318,404.92
<b>State and Local:</b>	\$240,000.00	<b>State and Local:</b>	\$212,269.95

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Draft Design Specifications	02/17/14	Yes	
Final Design Specifications	02/28/14	Yes	
Draft Permits & Agreements	12/01/13	Yes	
Final Permits & Agreements	02/01/14	Yes	
Draft Operation & Maintenance Plan	02/28/14	No	
Final Operation & Maintenance Plan	06/01/15	No	
Design Implementation	05/01/15	No	
Photo Documentation of Implementation	06/01/15	No	
Draft Project Report	06/01/15	No	
Final Project Report	07/31/15	No	

**Comments:**

**Project Reports and Other Informational Materials:**

13-05(319) SR

**Title:** Kinkaid Lake BMP Implementation

**Purpose:** This project helped protect the beneficial uses of Kinkaid Lake from the impairments of nonpoint source (NPS) pollution. This project stabilized 3,109 feet of shoreline that are in areas of either high moderate or severe categories of erosion. The project also stabilized approximately 1,470 feet of gully on the 100 acre Worthen Farm property owned by the Conservancy District that drains into the Kinkaid Marina in an area that is highly visible to the general public.

**NPS Program:** Hydrologic Modification & Agriculture

**Project Location:** Jackson County

**Waterbody Name (ID):** Kinkaid Lake (ILRNC), Kinkaid Creek (ILNB-01), & Big Muddy River (ILN-12)

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

**Project Period:** 07/11/13 through 08/31/15

<b>Total Project Cost:</b>	\$225,000.00	<b>Cumulative Expenditure:</b>	\$221,983.56
<b>Federal:</b>	\$135,000.00	<b>Federal:</b>	\$109,190.14
<b>State and Local:</b>	\$90,000.00	<b>State and Local:</b>	\$112,793.42

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Draft Design Specifications	01/31/14	Yes	
Final Design Specifications	03/31/14	Yes	
Draft Operation & Maintenance Plan	01/31/14	Yes	
Final Operation & Maintenance Plan	03/31/14	Yes	
Design Implementation	06/30/15	Yes	
Photo Documentation of Implementation	07/31/15	Yes	
Install Signs	03/31/14	Yes	
Draft Final Report	07/15/15	Yes	
Final Report	08/31/15	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** Hobson Creek Corridor BMPs at Caddie Corner Park

**Purpose:** This project stabilized 483 feet of eroding streambank and 140 feet of eroding streambed on Hobson Creek located between Greene Road and Greene Trails Road in Woodridge, Illinois. The banks were stabilized using minor re-grading, erosion control blanket, seeding and planting, rock toe, and eleven rock points along with a 0.2 acre riparian buffer. Channel down-cutting was controlled through the installation of four rock riffles. Hobson Creek is a tributary of the East Branch of the DuPage River. The project site, Caddie Corner Park, is owned by the Woodridge Park District.

**NPS Program:** Hydrologic Modification

**Project Location:** DuPage County

**Waterbody Name (ID):** East Branch of the DuPage River (ILGBL-05)

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

**Project Period:** 08/13/13 through 07/15/15

<b>Total Project Cost:</b>	\$118,054.00	<b>Cumulative Expenditure:</b>	\$92,611.00
<b>Federal:</b>	\$70,832.00	<b>Federal:</b>	\$55,566.60
<b>State and Local:</b>	\$47,222.00	<b>State and Local:</b>	\$37,044.40

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Draft Design Specifications	08/31/13	Yes	
Final Design Specifications	10/31/13	Yes	
Draft Permits & Agreements	08/31/13	Yes	
Final Permits & Agreements	10/31/13	Yes	
Draft Operation & Maintenance Plan	08/31/13	Yes	
Final Operation & Maintenance Plan	10/31/13	Yes	
Design Implementation	12/31/14	Yes	
Photo Documentation of Implementation	07/15/15	Yes	
Project Sign Designs	10/31/13	Yes	
Install Signs	05/31/14	Yes	
Draft Final Report	05/31/15	Yes	
Final Report	07/15/15	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** 2013 Green Campus Initiatives

**Purpose:** This project will implement best management practices (BMPs) to reduce nonpoint source pollution associated with urban runoff from two schools in Woodridge, Illinois. At the Willow Creek School, an existing asphalt play area will be replaced with 14,500 square feet of permeable pavers and 600 square feet of rain garden, 315 square feet of infiltration trench, and 6,000 square feet of native vegetative filter strip will also be installed. At the Edgewood School, existing asphalt parking and play areas will be replaced with 57,800 square feet of permeable pavers and 3,500 square feet of rain garden will be installed. The project also includes 6 interpretive signs (3 at each site), brochure, and workshops.

**NPS Program:** Urban Runoff

**Project Location:** DuPage County

**Waterbody Name (ID):** Prentiss Creek (ILGBLA) & East Branch of the DuPage River (ILGBL-05 & ILGBL-02)

**Subgrantee:** Woodridge School District 68  
7925 Janes Avenue  
Woodridge, Illinois 60517

**Project Period:** 07/18/13 through 07/15/16

<b>Total Project Cost:</b>	\$770,880.00	<b>Cumulative Expenditure:</b>	\$755,786.85
<b>Federal:</b>	\$462,528.00	<b>Federal:</b>	\$453,472.11
<b>State and Local:</b>	\$308,352.00	<b>State and Local:</b>	\$302,314.74

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Final Design Specifications	10/31/14	Yes	
Draft Permits & Agreements	08/31/14	Yes	
Final Permits & Agreements	10/31/14	Yes	
Draft Operation & Maintenance Plan	08/31/14	Yes	
Final Operation & Maintenance Plan	10/31/14	Yes	
Design Implementation	01/31/15	No	
Photo Documentation of Implementation	07/15/16	No	
Draft Workshops Materials	08/31/14	No	
Final Workshops Materials	10/31/14	No	
Hold Workshops	05/31/16	No	
Draft Brochure	10/31/15	No	
Final Brochure	12/31/15	No	
Draft Interpretive Sign Design	03/31/15	Yes	
Final Interpretive Sign Design	04/30/15	No	
Install Interpretive Signs	07/01/15	No	
Draft Final Report	05/31/16	No	
Final Report	07/15/16	No	

**Comments:**

**Project Reports and Other Informational Materials:**

13-08(319) ST

**Title:** Otter Lake TMDL Implementation

**Purpose:** The project will install upland and shoreline stabilization best management practices (BMPs) as recommended in the Hodges Creek Watershed TMDL Report (November 2006) for Otter Lake in Macoupin County, Illinois. This project will install 10 grade stabilization structures, 6 water and sediment control basins, and 11 ponds. The project will also stabilize 4,107 feet of eroding shoreline.

**NPS Program:** Agriculture & Hydrologic Modification

**Project Location:** Macoupin County

**Waterbody Name (ID):** Otter Lake (ILRDF)

**Subgrantee:** Otter Lake Water Commission  
P.O. Box 468  
Virden, Illinois 62690

**Project Period:** 07/10/13 through 09/15/15

<b>Total Project Cost:</b>	\$375,080.00	<b>Cumulative Expenditure:</b>	\$253,956.16
<b>Federal:</b>	\$225,048.00	<b>Federal:</b>	\$152,373.71
<b>State and Local:</b>	\$150,032.00	<b>State and Local:</b>	\$101,582.45

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
<b>SHORELINE BMPS</b>			
Draft Design Specifications	10/01/13	Yes	
Final Design Specifications	11/01/13	Yes	
Draft Permits & Agreements	10/01/13	Yes	
Final Permits & Agreements	11/01/13	Yes	
Draft Operation & Maintenance Plan	07/01/14	Yes	
Final Operation & Maintenance Plan	07/01/15	No	
Design Implementation	06/01/15	No	
Photo Documentation of Implementation	07/01/15	No	
<b>UPLAND BMPS</b>			
Draft Design Specifications	06/01/14	Yes	
Final Design Specifications	07/01/14	Yes	
Draft Permits & Agreements	06/01/14	Yes	
Final Permits & Agreements	07/01/14	Yes	
Draft Operation & Maintenance Plan	07/01/14	Yes	
Final Operation & Maintenance Plan	07/01/15	No	
Design Implementation	07/01/15	No	
Photo Documentation of Implementation	08/01/15	No	
Draft Final Report	07/01/15	No	
Final Report	09/15/15	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** Phase 4 of Salt Creek Streambank Stabilization

**Purpose:** This project will stabilize 650 feet (both banks of a 325 foot segment) of Salt Creek located between Central Road and Barker Avenue in Rolling Meadows, Illinois. The banks and toe of the slope will be stabilized using stone toe with vegetated slopes in areas where erosion is severe. In areas where erosion is less severe, selected clearing of non-native plants, minor re-grading and replanting with native deep-rooted vegetation will be used. Also, a brochure will be developed and a public information meeting held to educate residents adjacent to the creek on the project and proper stream maintenance.

**NPS Program:** Hydrologic Modification

**Project Location:** Cook County

**Waterbody Name (ID):** Salt Creek (ILGL)

**Subgrantee:** City of Rolling Meadows  
3900 Berdnick Street  
Rolling Meadows, Illinois 60008

**Project Period:** 08/03/13 through 07/15/15

<b>Total Project Cost:</b>	\$187,000.00	<b>Cumulative Expenditure:</b>	\$0.00
<b>Federal:</b>	\$112,000.00	<b>Federal:</b>	\$0.00
<b>State and Local:</b>	\$75,000.00	<b>State and Local:</b>	\$0.00

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Draft Design Specifications	09/15/13	Yes	
Final Design Specifications	11/15/13	Yes	
Draft Permits & Agreements	09/15/13	Yes	
Final Permits & Agreements	11/15/13	Yes	
Draft Operation & Maintenance Plan	09/15/13	Yes	
Final Operation & Maintenance Plan	11/15/13	Yes	
Design Implementation	01/31/15	No	
Photo Documentation of Implementation	07/15/15	No	
Draft Brochure	02/28/14	Yes	
Final Brochure	04/30/14	Yes	
Draft Meeting Materials	04/30/14	Yes	
Final Meeting Materials	06/30/14	Yes	
Hold Meeting	05/31/14	Yes	
Sign Design	10/31/13	Yes	
Install Sign	03/31/14	No	
Draft Final Report	05/31/15	No	
Final Report	07/15/15	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** Indian Creek Watershed Project

**Purpose:** This project will continue work started in 2010 in the watershed to implement comprehensive conservation agriculture systems. This project will continue outreach to the watershed's 160 producers and demonstrate how using the 4Rs can improve nutrient use efficiency and the best approaches to reduce nutrient losses. Outreach and Information & Education will include farmer/demo vignettes, meetings/field tours, presentations, 1 on 1 visits with producers, interactive website, annual reports, and round table up & coming.

**NPS Program:** Agriculture & Information/Education

**Project Location:** Livingston County

**Waterbody Name (ID):** Indian Creek (ILDSPA-01)

**Subgrantee:** Conservation Technology Information Center  
3495 Kent Avenue, Suite J100  
West Lafayette, Indiana 47906

**Project Period:** 10/07/13 through 08/31/16

<b>Total Project Cost:</b>	\$742,480.00	<b>Cumulative Expenditure:</b>	\$0.00
<b>Federal:</b>	\$445,488.00	<b>Federal:</b>	\$0.00
<b>State and Local:</b>	\$296,992.00	<b>State and Local:</b>	\$0.00

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Watershed Outreach Strategy			
1st Year Draft	10/15/13	Yes	
1st Year Final	11/15/13	Yes	
2nd Year Draft	08/29/14	Yes	
2nd Year Final	09/30/14	Yes	
3rd Year Draft	08/31/15	No	
3rd Year Final	09/30/15	No	
ANNUAL REPORT			
1st Year Draft	06/15/14	Yes	
1st Year Final	08/15/14	No	
2nd Year Draft	06/15/15	No	
2nd Year Final	08/15/15	No	
Draft Project Report	06/15/16	No	
Final Project Report	08/15/16	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**FFY14 FEDERALLY FUNDED SECTION 319 PROJECTS (NPS PROGRAM FUNDS)**

**Title:** Spring Branch Subwatershed Action Plan

**Purpose:** This project will develop a watershed-based plan for the Spring Branch watershed that is designed to improve water quality by controlling nonpoint source pollution. Spring Branch is an assessed headwater stream and a 3,232 acre sub-watershed of the 17,545 acre Middle Yellow Creek (HUC 070900031304) watershed. 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), Chicago Metropolitan Agency for Planning’s “Guidance for Developing Watershed Action Plans in Illinois” dated June 2007, total maximum daily load (TMDL) implementation plan requirements, and current watershed planning principles. Spring Branch (PWNC) is not supporting its Aquatic Life Use designation because of ammonia and phosphorus.

**NPS Program:** All Sources

**Project Location:** Stephenson County

**Waterbody Name (ID):** Spring Branch (ILPWNC)

**Subgrantee:** Blackhawk Hills RC&D  
102 US Route 30, Suite 3  
Rock Falls, Illinois 61071

**Project Period:** 07/07/14 through 07/31/16

<b>Total Project Cost:</b>	\$82,000.00	<b>Cumulative Expenditure:</b>	\$0.00
<b>Federal:</b>	\$49,200.00	<b>Federal:</b>	\$0.00
<b>State and Local:</b>	\$32,800.00	<b>State and Local:</b>	\$0.00

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Watershed Resources Inventory	04/01/15	No	
Draft Watershed-based Plan	05/01/16	No	
Final Watershed-based Plan	07/31/16	No	
Draft Executive Summary	05/01/16	No	
Final Executive Summary	07/31/16	No	
Self-Assessment of Plan	05/01/16	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** Silver Creek Watershed Based Plan

**Purpose:** This project will develop a watershed-based plan for the Silver Creek watershed (a 7,456 acre subwatershed of HUC 071200040506), a tributary to the Des Plaines River and located in DuPage and Cook Counties, Illinois. The proposed project will be facilitated by the Silver Creek Watershed Committee (SCWC), which is a consortium of stakeholders that includes municipalities, agencies, universities, and concerned citizens in the Silver Creek watershed. This stakeholder-driven, watershed-based plan will address the U.S. EPA's nine minimum elements for watershed-based planning. The watershed-based planning process will focus on addressing water quality concerns in the watershed and will provide a structure for the reduction of nonpoint source pollution.

**NPS Program:** All Sources

**Project Location:** Cook & DuPage Counties

**Waterbody Name (ID):** Silver Creek (ILGM-01)

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

**Project Period:** 06/03/14 through 07/15/16

<b>Total Project Cost:</b>	\$113,600.00	<b>Cumulative Expenditure:</b>	\$0.00
<b>Federal:</b>	\$68,160.00	<b>Federal:</b>	\$0.00
<b>State and Local:</b>	\$45,440.00	<b>State and Local:</b>	\$0.00

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Draft Watershed Resources Inventory	05/01/15	No	
Final Watershed Resources Inventory	06/01/15	No	
Draft Watershed-based Plan	05/01/16	No	
Final Watershed-based Plan	07/15/16	No	
Draft Executive Summary	05/01/16	No	
Final Executive Summary	07/15/16	No	
Self-Assessment of Plan	07/15/16	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** BMP Implementation to Protect the Sangamon River

**Purpose:** The project will install best management practices (BMPs) on four agricultural landowners' property to reduce nonpoint source pollution discharged into the North Lake Fork (IL\_EIGB-01) in HUC 071300090302, the Sangamon River (IL\_E-05) in HUC 071300060804, and Mosquito Creek (IL\_EQ-01) in HUC 071300060601. BMPs implemented under this project will include approximately 6.2 acres of grassed waterways; 210 acres of cover crops; 3,310 feet of water and sediment control basins; 7,200 feet of terraces; and one grade stabilization structure. The project also includes workshops/field days and other educational activities.

**NPS Program:** Agriculture

**Project Location:** Macon County

**Waterbody Name (ID):** North Lake Fork (ILEIGB-01), Sangamon River (ILE-05), & Mosquito Creek (ILEQ-01)

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

**Project Period:** 06/04/14 through 09/30/16

<b>Total Project Cost:</b>	\$121,685.00	<b>Cumulative Expenditure:</b>	\$3,927.03
<b>Federal:</b>	\$73,011.00	<b>Federal:</b>	\$2,356.28
<b>State and Local:</b>	\$48,674.00	<b>State and Local:</b>	\$1,570.85

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Project Coordination	09/30/16	No	
Draft Design Specifications	10/31/14	No	
Final Design Specifications	01/31/15	No	
Conservation Plans, Permits & Agreements	10/31/14	No	
Draft Operation & Maintenance Plan	10/31/14	No	
Final Operation & Maintenance Plan	01/31/15	No	
Design Implementation	06/30/16	No	
Photo Documentation of Implementation	07/31/16	No	
Sign Design	10/31/14	No	
Install Sign	06/30/16	No	
Draft Final Report	06/30/16	No	
Final Report	08/15/16	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** Illinois CREP Implementation & Stewardship Specialists

**Purpose:** This project will provide well trained, effective staff (Stewardship Specialists) to promote the Conservation Reserve Enhancement Program (CREP) and to work with landowners enrolling or currently enrolled in CREP to 1) extend to a 35 year or permanent State conservation easement and/or, 2) enhance the retired land with water quality best management practices (BMPs). The staff will geographically cover the Illinois River Basin and be strategically placed to ensure the highest level of effectiveness. In addition, they will be giving priority to acres in close proximity to the lakes and stream segments identified on the 303(d) impaired waters list that have a TMDL. A project report will be developed to explain the project goals and document the steps taken and results achieved. The report shall include a list of the soil and water conservation districts involved and their CREP accomplishments, including a summary by 12-digit Hydrologic Unit Code (HUC) of the CREP best management practices (BMPs) implemented in association with this project.

**NPS Program:** Agriculture

**Project Location:** Statewide

**Waterbody Name (ID):** Illinois River and Kaskaskia River

**Subgrantee:** Association of Illinois Soil & Water Conservation Districts  
4285 N. Walnut Street Road  
Springfield, Illinois 62707

**Project Period:** 02/18/15 through 12/31/16

<b>Total Project Cost:</b>	\$644,273.00	<b>Cumulative Expenditure:</b>	\$0.00
<b>Federal:</b>	\$389,448.00	<b>Federal:</b>	\$0.00
<b>State and Local:</b>	\$254,825.00	<b>State and Local:</b>	\$0.00

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Draft Job Description	04/01/15	No	
Final Job Description	06/01/15	No	
List of LUCs	06/01/15	No	
First Annual Report	09/01/15	No	
Second Annual Report	09/01/16	No	
Draft Project Report	12/01/16	No	
Final Project Report	12/31/16	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** Apple Canyon Lake Comprehensive Watershed Plan

**Purpose:** This project will develop a watershed-based plan for the Apple Canyon Lake watershed (HUC 070600050601) that is designed to improve water quality by controlling nonpoint source pollution. Education programs will be carried out to inform the public about water quality conditions and engage them in the watershed planning process. Water quality monitoring will be conducted to provide a baseline and to set watershed goals.

**NPS Program:** All Sources

**Project Location:** Jo Daviess County

**Waterbody Name (ID):** Apple Canyon Lake (ILRMJ)

**Subgrantee:** Apple Canyon Lake Property Owner's Association  
14A157 Canyon Club Drive  
Apple River, Illinois 61001

**Project Period:** 06/09/14 through 12/31/16

<b>Total Project Cost:</b>	\$73,592.00	<b>Cumulative Expenditure:</b>	\$20,621.11
<b>Federal:</b>	\$42,492.00	<b>Federal:</b>	\$11,909.06
<b>State and Local:</b>	\$31,100.00	<b>State and Local:</b>	\$8,712.05

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Watershed Resources Inventory	10/31/15	No	
Draft Watershed-based Plan	05/30/16	No	
Final Watershed-based Plan	08/30/16	No	
Draft Executive Summary	05/30/16	No	
Final Executive Summary	08/30/16	No	
Self-Assessment of Plan	05/30/16	No	
Draft Monitoring Strategy	06/30/14	Yes	
Final Monitoring Strategy	07/31/14	Yes	
Strategy Implementation	12/31/15	No	
Submit Data	01/31/16	No	
Draft Education Strategy	07/31/14	Yes	
Final Education Strategy	08/30/14	Yes	
Education Strategy Implementation	07/31/16	No	
Draft Project Report	06/30/16	No	
Final Project Report	08/30/16	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**FFY14 FEDERALLY FUNDED SECTION 319 PROJECTS (WATERSHED PROJECT FUNDS)**

**Title:** Accelerating BMP Adoption for Lake Decatur

**Purpose:** This project is located within the Macon and Piatt county portions of the Lake Decatur watershed. Best management practices (BMPs) will be installed at 14 project sites. BMPs will include 1,300 linear feet of streambank stabilization; 39.75 acres of grassed waterways; 6 grade stabilization structures; 846 acres of cover crops; 4 sediment detention basins; 43.75 acres of permanent vegetative cover; one water control structures; 2 water and sediment control basin systems (1,100 linear feet); 17,000 feet of terraces (including parallel tile outlets); 5,280 feet of diversions; and 1 acre of heavy use area protection. Projects have been selected by their ability to control sediment, nitrates, and phosphorus and their proximity to the river and lake.

**NPS Program:** Agriculture, Urban Runoff, & Hydrologic Modification

**Project Location:** Macon and Piatt Counties

**Waterbody Name (ID):** Lake Decatur (ILREA) & Sangamon River (ILE-18, ILE-29, ILE-95)

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

**Project Period:** 06/04/14 through 09/30/16

<b>Total Project Cost:</b>	\$708,858.00	<b>Cumulative Expenditure:</b>	\$36,438.02
<b>Federal:</b>	\$425,315.00	<b>Federal:</b>	\$20,062.87
<b>State and Local:</b>	\$283,543.00	<b>State and Local:</b>	\$16,375.15

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Project Coordination	09/30/16	No	
Draft Design Specifications	10/31/14	No	
Final Design Specifications	01/31/15	No	
Conservation Plans, Permits & Agreements	10/31/14	No	
Draft Operation & Maintenance Plan	10/31/14	No	
Final Operation & Maintenance Plan	01/31/15	No	
Design Implementation	06/30/16	No	
Photo Documentation of Implementation	07/31/16	No	
Sign Design	10/31/14	No	
Install Sign	06/30/16	No	
Draft Final Report	06/30/16	No	
Final Report	08/15/16	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** Carpenter Creek Stream Restoration

**Purpose:** This project will construct 4,600 feet of a two-stage ditch along Carpenter Creek, a tributary of the Fox River (ILDT20), located north of Spring Street in Carpentersville, Illinois. The low-flow channel of the two-stage ditch will be meandered to the extent practical to mimic natural channel behavior and prevent erosion and channel migration. The existing channel will be widened and a floodplain shelf installed on both banks. Both banks will be stabilized with a buffer of native vegetation. At least nine rock riffle grade control structures will be installed within the two-stage ditch to prevent erosion of the streambed. Four urban stormwater wetlands will be constructed adjacent to the two-stage ditch at the north end of the project site. Eight rain gardens and two informational signs will also be installed in the Carpenters Park portion of the project site.

**NPS Program:** Urban Runoff & Hydrologic Modification

**Project Location:** Kane County

**Waterbody Name (ID):** Fox River (ILDT20)

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

**Project Period:** 06/06/14 through 07/31/16

<b>Total Project Cost:</b>	\$1,135,939.00	<b>Cumulative Expenditure:</b>	\$0.00
<b>Federal:</b>	\$628,215.00	<b>Federal:</b>	\$0.00
<b>State and Local:</b>	\$507,724.00	<b>State and Local:</b>	\$0.00

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Draft Design Specifications	03/15/15	No	
Final Design Specifications	05/15/15	No	
Draft Permits & Agreements	04/01/15	No	
Final Permits & Agreements	06/01/15	No	
Draft Operation & Maintenance Plan	05/01/16	No	
Final Operation & Maintenance Plan	06/01/16	No	
Design Implementation	05/01/16	No	
Photo Documentation of Implementation	06/01/16	No	
Plan for Educational Signs	04/01/16	No	
Install Educational Signs	06/01/16	No	
Project Sign Design	05/01/15	No	
Install Project Sign	07/06/16	No	
Draft Project Report	06/01/16	No	
Final Project Report	07/31/16	No	

**Comments:**

**Project Reports and Other Informational Materials:**

14-07(319) SR

**Title:** Lake Carlinville Improvements - Phase 2

**Purpose:** This project will install nonpoint source pollution control best management practices (BMPs) on private property and property owned by City of Carlinville in the Lake Carlinville watershed. BMPs will include 230 acres of permanent vegetative cover on forested ground adjacent to the lake; 23 water and sediment control basins; three grade stabilization structures; four ponds; 72 acres of grassed waterways; 146 acres of cover crops; three sediment basins; and 1,000 feet of streambank stabilization. Critical areas and amounts of BMPs to be implemented have been identified.

**NPS Program:** Agriculture

**Project Location:** Macoupin County

**Waterbody Name (ID):** Lake Carlinville (ILRDG)

**Subgrantee:** City of Carlinville  
550 North Broad Street  
Carlinville, Illinois 62626-1019

**Project Period:** 06/06/14 through 07/31/16

<b>Total Project Cost:</b>	\$510,000.00	<b>Cumulative Expenditure:</b>	\$0.00
<b>Federal:</b>	\$306,000.00	<b>Federal:</b>	\$0.00
<b>State and Local:</b>	\$204,000.00	<b>State and Local:</b>	\$0.00

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Draft Design	07/31/15	No	
Final Design	08/31/15	No	
Complete Installation of BMPs	06/30/16	No	
Photographic Documentation of Construction	07/31/16	No	
Draft Operation & Maintenance Plan	07/31/15	No	
Final Operation & Maintenance Plan	08/31/15	No	
Draft Education Work Strategy	07/31/14	No	
Final Education Work Strategy	09/30/14	No	
Implement Education Work Strategy	11/01/15	No	
Draft Project Report	06/30/16	No	
Final Project Report	07/31/16	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** North Mill Creek Channel Restoration – Phase 1

**Purpose:** This project will include 1) the modification of the Rasmussen dam and the abandonment of Rasmussen Lake, 2) the creation of a new stream channel of 4,500 linear feet through what was once Rasmussen Lake, and 3) the creation of a temporary 14 acre pond. The project will restore 4,500 feet of stream channel and disconnect the eroding lake shore from the restored stream channel.

**NPS Program:** Hydrologic Modification

**Project Location:** Lake County

**Waterbody Name (ID):** North Mill Creek (ILGWA)

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

**Project Period:** 07/23/14 through 09/30/16

<b>Total Project Cost:</b>	\$1,250,000.00	<b>Cumulative Expenditure:</b>	\$745,156.80
<b>Federal:</b>	\$500,000.00	<b>Federal:</b>	\$298,062.72
<b>State and Local:</b>	\$750,000.00	<b>State and Local:</b>	\$447,094.08

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Draft Design & BMP Application Form	11/30/14	Yes	
Final Design & BMP Application Form	12/31/14	Yes	
Permits	12/31/14	Yes	
Draft Operation & Maintenance Plan	11/30/14	Yes	
Final Operation & Maintenance Plan	12/31/14	Yes	
Design Implementation	05/30/16	No	
Photo Documentation of Implementation	06/30/16	No	
Sign Design	12/31/14	Yes	
Install Sign	05/30/16	Yes	
Draft Project Report	06/30/16	No	
Final Project Report	07/31/16	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** Lake Bloomington Paired Watershed Cover Crop Study

**Purpose:** This project will conduct a paired watershed monitoring study to determine the effectiveness of winter cover crops to reduce nitrate loading and total suspended solids (TSS). The study will assess the efficiency of cover crops (approximately 600 acres) to sequester fall-applied inorganic nitrogen, residual nitrogen and reduce nitrate leaching and sediment loading to Lake Bloomington. Additionally, this project will educate farmers and conservation agents on cover crop management and effectiveness in reducing nitrate and sediment loading through localized cover crop field plots and annual field days.

**NPS Program:** Monitoring/Evaluation

**Project Location:** McLean County

**Waterbody Name (ID):** Lake Bloomington (ILRDO)

**Subgrantee:** Illinois State University  
Department of Agriculture  
143 Ropp Agriculture Building, Campus Box 5020  
Normal, Illinois 61761

**Project Period:** 07/16/14 through 07/15/16

<b>Total Project Cost:</b>	\$281,411.00	<b>Cumulative Expenditure:</b>	\$0.00
<b>Federal:</b>	\$168,296.00	<b>Federal:</b>	\$0.00
<b>State and Local:</b>	\$113,115.00	<b>State and Local:</b>	\$0.00

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Draft Crop Study Design	07/01/15	Yes	
Final Crop Study Design	08/01/15	No	
Draft QAPP	09/01/14	No	
Final QAPP	10/01/14	No	
Complete Implementation of QAPP	05/01/16	No	
Draft Monitoring Report	06/01/16	No	
Final Monitoring Report & Data	07/01/16	No	
Draft Field Plots Strategy	09/01/14	Yes	
Final Field Plots Strategy	10/01/14	Yes	
Plant Field Plots-Year One	09/30/14	No	
Complete Agronomic Analysis & Signs -Year 1	11/01/14	No	
Plant Field Plots-Year Two	09/30/15	No	
Complete Agronomic Analysis & Signs -Year 2	11/01/15	No	
Print Informational Brochures	11/30/14	No	
Field Day-Year One	11/30/14	No	
Field Day-Year Two	11/30/15	No	
Draft Project Report	06/01/16	No	
Final Project Report	07/01/16	No	

**Comments:**

**Project Reports and Other Informational Materials:**

14-10 (319) TS

**Title:** Candlewick Lake Bioswale Project

**Purpose:** This project will reduce nonpoint source pollution by converting existing dry ditches at selected inlets to Candlewick Lake into 10,000 square feet of bioswales planted with native vegetation. The bioswales will be designed to remove sediment and nutrients by filtering runoff from upstream residential and agricultural areas. Candlewick Lake (IL\_RPV) is a tributary of Beaver Creek (IL\_PQD-07) and covered by the watershed-based plan completed for the Beaver Creek watershed (HUCs 070900060401 and 070900060402) in 2008. As recommended by the Beaver Creek plan, however, an updated and expanded watershed-based plan for the Candlewick Lake portion of HUC 070900060402 is currently under development and will be completed by July 2014.

**NPS Program:** Urban Runoff

**Project Location:** Boone County

**Waterbody Name (ID):** Candlewick Lake (ILRPV)

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

**Project Period:** 06/13/14 through 07/31/16

<b>Total Project Cost:</b>	\$88,000.00	<b>Cumulative Expenditure:</b>	\$23,365.81
<b>Federal:</b>	\$52,800.00	<b>Federal:</b>	\$18,381.17
<b>State and Local:</b>	\$35,200.00	<b>State and Local:</b>	\$4,984.64

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Draft Design Specifications	12/01/14	Yes	
Final Design Specifications	02/01/15	Yes	
Draft Permits & Agreements	12/01/14	Yes	
Final Permits & Agreements	02/01/15	Yes	
Draft Operation & Maintenance Plan	02/01/15	No	
Final Operation & Maintenance Plan	06/01/16	No	
Design Implementation	05/01/16	No	
Photo Documentation of Implementation	06/01/16	No	
Project Sign Design	02/01/15	Yes	
Install Project Sign	05/01/16	No	
Draft Project Report	06/01/16	No	
Final Project Report	07/31/16	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** West Fork Stabilization in Downtown Glenview

**Purpose:** This project is located in downtown Glenview on the West Fork of the North Branch of the Chicago River (IL\_HCCB-05). The location is urbanized and the project addresses eroded banks on both sides of the river. The project will stabilize 1,050 linear feet of streambank using vegetated rock toe, riffle and pool structures, a cross vane, and tree and native riparian vegetative establishment.

**NPS Program:** Hydrologic Modification

**Project Location:** Cook County

**Waterbody Name (ID):** West Fork of the North Branch of the Chicago River (ILHCCB-05)

**Subgrantee:** Village of Glenview  
1225 Waukegan Road  
Glenview, Illinois 60025

**Project Period:** 07/11/14 through 07/31/16

<b>Total Project Cost:</b>	\$218,495.00	<b>Cumulative Expenditure:</b>	\$0.00
<b>Federal:</b>	\$125,000.00	<b>Federal:</b>	\$0.00
<b>State and Local:</b>	\$93,495.00	<b>State and Local:</b>	\$0.00

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Data Entry for Other NPS BMPs RMMS Layer	12/01/14	No	
Draft Design Specifications	12/01/14	Yes	
Final Design Specifications	02/01/15	Yes	
Draft Permits & Agreements	12/01/14	Yes	
Final Permits & Agreements	02/01/15	Yes	
Draft Operation & Maintenance Plan	02/01/15	No	
Final Operation & Maintenance Plan	06/01/16	No	
Design Implementation	05/01/16	No	
Photo Documentation of Implementation	06/01/16	No	
Project Sign Design	02/01/15	Yes	
Install Project Sign	05/01/16	Yes	
Draft Project Report	06/01/16	No	
Final Project Report	07/31/16	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** Lakes Bloomington & Evergreen Watershed Social Assessment

**Purpose:** This project will implement a social indicator survey in the watersheds of Lake Bloomington (HUC 0713000402) and Evergreen Lake (HUC 071300040502) in McLean County, Illinois. Base-line data will be collected on the values, attitudes, knowledge, and opinions held by the urban residents of the Lake Bloomington and Evergreen Lake watersheds regarding water quality and nonpoint source pollution control best management practices (BMPs). The social indicator monitoring program will be designed to 1) document and evaluate what urban residents in the watersheds know about and are concern about regarding water quality and the effects their current activities have on water quality; 2) document and evaluate what urban residents in the watersheds know about onsite wastewater treatment systems; 3) document and evaluate the knowledge and opinions held by the urban residents of the watersheds regarding the effect of water conservation on water quality and quantity; 4) provide data to direct future education and outreach efforts; and 5) provide social data that is designed to inform an update of the current Lake Bloomington and Evergreen Lake watershed management plans that will more directly address social aspects of watershed management for the future.

**NPS Program:** Monitoring/Evaluation

**Project Location:** McLean County

**Waterbody Name (ID):** Lake Bloomington (ILRDO) & Evergreen Lake (ILSDA)

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

**Project Period:** 05/29/14 through 07/31/16

<b>Total Project Cost:</b>	\$152,112.00	<b>Cumulative Expenditure:</b>	\$0.00
<b>Federal:</b>	\$90,900.00	<b>Federal:</b>	\$0.00
<b>State and Local:</b>	\$61,212.00	<b>State and Local:</b>	\$0.00

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Draft Quality Assurance Project Plan	08/31/14	Yes	
Final Quality Assurance Project Plan	10/31/14	Yes	
QAPP Implementation	06/30/16	No	
Enter Data into SIDMA	06/30/16	No	
Submit Data	06/30/16	No	
Draft Social Indicator Report	06/30/16	No	
Final Social Indicator Report	07/31/16	No	

**Comments:**

**Project Reports and Other Informational Materials:**

14-13 (319) ST

**Title:** Watershed Monitoring Plan & QAPP Development

**Purpose:** This project will develop a water quality monitoring plan and Quality Assurance Project Plan (QAPP) for the Flint Creek (ILDTS-01) and Spring Creek (ILDTH-01) watersheds. The plan will establish procedures to 1) assess the current state of water quality resulting from nonpoint source pollution within streams and lakes; 2) assess changes in water quality to determine BMP effectiveness; and 3) assess the public social behavior related to water quality issues. Water quality monitoring will be performed by collecting physical, chemical, biological, and social indicator data related to the watershed-based plans' goals and objectives.

**NPS Program:** Monitoring/Evaluation

**Project Location:** Lake, Cook, & McHenry Counties

**Waterbody Name (ID):** Spring Creek (ILDTH-01) & Flint Creek (ILDTS-01)

**Subgrantee:** Citizens for Conservation  
459 West Highway 22  
Barrington, Illinois 60010

**Project Period:** 06/10/14 through 07/15/15

<b>Total Project Cost:</b>	\$30,550.00	<b>Cumulative Expenditure:</b>	\$0.00
<b>Federal:</b>	\$18,000.00	<b>Federal:</b>	\$0.00
<b>State and Local:</b>	\$12,550.00	<b>State and Local:</b>	\$0.00

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Draft Water Quality Monitoring Plan	09/01/14	Yes	
Final Water Quality Monitoring Plan	11/01/14	Yes	
Draft Quality Assurance Project Plan	04/01/15	No	
Final Quality Assurance Project Plan	07/01/15	No	

**Comments:**

**Project Reports and Other Informational Materials:**

"Final Water Quality Monitoring Plan." February 2015. KOT Environmental Consulting, Inc.

**Title:** Lake Springfield Watershed-based Plan and BMP Implementation

**Purpose:** This project will implement best management practices (BMPs) in the Lake Springfield (ILREF) watershed to reduce nonpoint source pollution, soil erosion, and nutrient and sediment loadings in order to improve water quality in Lake Springfield and its watershed. BMPs will include 1,000 acres of nutrient management plans; 120 acres of cover and/or green manure crops; four acres of filter strips; two grade stabilization structures; 12 acres of grassed waterways; one pond; three dissipaters; one sediment basin; 1,000 feet of streambank stabilization; one structure for water control; 23 water and sediment control basins; 63 acres of woodland improvement; one bioreactor (3,000 sq. ft.); and one saturated buffer (2.5 acres). Also, by updating the existing Phase I Diagnostic/Feasibility Study for the Lake Springfield Restoration Plan, this project will develop a revised watershed-based plan for the Lake Springfield watershed.

**NPS Program:** Agriculture, Urban Runoff, & Hydrologic Modification

**Project Location:** Sangamon County

**Waterbody Name (ID):** Lake Springfield (ILREF)

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

**Project Period:** 06/12/14 through 02/28/17

<b>Total Project Cost:</b>	\$553,142.00	<b>Cumulative Expenditure:</b>	\$84,371.03
<b>Federal:</b>	\$331,885.00	<b>Federal:</b>	\$50,622.62
<b>State and Local:</b>	\$221,257.00	<b>State and Local:</b>	\$33,748.41

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Draft Watershed Resources Inventory	07/01/15	No	
Draft Watershed-based Plan	03/01/16	No	
Final Watershed-based Plan	06/01/16	No	
Draft Executive Summary	03/01/16	No	
Final Executive Summary	06/01/16	No	
Draft Design Specifications	04/01/15	No	
Final Design Specifications	07/01/15	No	
Draft Operation & Maintenance Plan	04/01/15	No	
Final Operation & Maintenance Plan	07/01/15	No	
Design Implementation	10/01/16	No	
Photo Documentation of Implementation	11/01/16	No	
Draft Education Strategy	11/01/14	Yes	
Final Education Strategy	01/01/15	No	
Education Strategy Implementation	10/01/16	No	
Draft Project Report	10/01/16	No	
Final Project Report	12/01/16	No	

**Comments:**

**Project Reports and Other Informational Materials:**

14-15 (319) CD

**Title:** Monitoring of Kickapoo Creek near Charleston, Illinois

**Purpose:** A stream restoration project was completed on Kickapoo Creek downstream of Mattoon in September 2010 by the Illinois Department of Natural Resources (IDNR) utilizing FFY2009 Section 319 funds. This project will investigate the success of the restoration project to date looking at the stream habitat and biota. Eastern Illinois University (EIU) will conduct biological surveys on fish and macroinvertebrate populations and the U. S. Geological Survey (USGS) will monitor water quality and gauging of the stream to separate the effects of unstable channels from the water quality effects of point sources. This monitoring approach will provide the water quality information identified as a need in the Embarras River watershed-based plan.

**NPS Program:** Monitoring/Evaluation

**Project Location:** Coles County

**Waterbody Name (ID):** Kickapoo Creek (ILBEN-02)

**Subgrantee:** Eastern Illinois University  
600 Lincoln Avenue  
Charleston, Illinois 61920

**Project Period:** 05/25/14 through 07/31/16

<b>Total Project Cost:</b>	\$181,840.00	<b>Cumulative Expenditure:</b>	\$30,209.71
<b>Federal:</b>	\$141,000.00	<b>Federal:</b>	\$25,750.00
<b>State and Local:</b>	\$40,840.00	<b>State and Local:</b>	\$4,459.71

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Draft QAPPs	08/01/14	Yes	
Final QAPPs		Yes	
QAPP Implementation	07/01/16	No	
Year 1 Data	07/01/15	No	
Year 2 Data	07/01/16	No	
Draft Final Report	06/15/16	No	
Final Report	07/31/16	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** Oakwood Hills Fen Stream Corridor Restoration

**Purpose:** This project will restore 0.75 acres of wetland and stabilize 850 feet of an unnamed tributary of Silver Creek, which is a tributary of the Fox River (ILDT-22). Streambank stabilization techniques may include rock riffles, re-grading, rock toe, live brushlayers, fiber roll, live stakes, natural log weir, natural log terrace, and deep-rooted native vegetation. Wetland restoration may include construction of a sediment forebay, flow routing, re-grading, re-shaping, and deep-rooted native vegetation. The project site is immediately upstream of the Oakwood Hills Fen Nature Preserve. Educational signage and a brochure will also be developed to inform the public about nonpoint source pollution and this restoration project.

**NPS Program:** Hydrologic Modification

**Project Location:** McHenry County

**Waterbody Name (ID):** Fox River (ILDT-22)

**Subgrantee:** Village of Oakwood Hills  
3020 North Park Drive  
Oakwood Hills, Illinois 6001

**Project Period:** 06/11/14 through 07/31/16

<b>Total Project Cost:</b>	\$298,503.00	<b>Cumulative Expenditure:</b>	\$0.00
<b>Federal:</b>	\$171,537.00	<b>Federal:</b>	\$0.00
<b>State and Local:</b>	\$126,966.00	<b>State and Local:</b>	\$0.00

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Draft Design Specifications	04/01/15	No	
Final Design Specifications	06/01/15	No	
Draft Permits & Agreements	04/01/15	No	
Final Permits & Agreements	06/01/15	No	
Draft Operation & Maintenance Plan	04/01/15	No	
Final Operation & Maintenance Plan	06/01/16	No	
Design Implementation	05/01/16	No	
Photo Documentation of Implementation	06/01/16	No	
Plan for Educational Signs	04/01/16	No	
Install Educational Signs	06/01/16	No	
Project Sign Design	02/01/15	No	
Install Project Sign	05/01/16	No	
Draft Project Report	06/01/16	No	
Final Project Report	07/31/16	No	

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** Otter Creek Stabilization - Village of South Elgin

**Purpose:** This project will stabilize 1,430 feet of severely eroding streambanks over seven reaches of Otter Creek within the Village of South Elgin between Hopps Road and Silver Glen Road. Streambank stabilization techniques will include re-grading with stone toe and vegetated banks and/or gabion baskets, stream bank armoring, vegetative maintenance, or a combination of elements. Where conditions allow, root wads and riffles will be implemented to enhance aquatic habitat.

**NPS Program:** Hydrologic Modification

**Project Location:** Kane County

**Waterbody Name (ID):** Otter Creek (ILDTF) & Ferson Creek (ILDTF)

**Subgrantee:** Village of South Elgin  
10 N Water Street  
South Elgin, Illinois 60177

**Project Period:** 06/05/14 through 07/15/16

<b>Total Project Cost:</b>	\$559,253.00	<b>Cumulative Expenditure:</b>	\$0.00
<b>Federal:</b>	\$335,552.00	<b>Federal:</b>	\$0.00
<b>State and Local:</b>	\$223,701.00	<b>State and Local:</b>	\$0.00

<b>Project Milestone</b>	<b>Completion Date</b>	<b>Completed Yes/No</b>	<b>Comments</b>
Draft Meeting Information	06/01/14	No	
Draft Meeting Information	07/01/14	No	
Draft Design Specifications	01/15/15	No	
Final Design Specifications	06/01/15	No	
Draft Permits & Agreements	01/15/15	No	
Final Permits & Agreements	06/01/15	No	
Draft Operation & Maintenance Plan	01/15/15	No	
Final Operation & Maintenance Plan	06/01/15	No	
Design Implementation	01/31/16	No	
Photo Documentation of Implementation	07/15/16	No	
Project Sign Design	08/01/14	Yes	
Install Project Sign	05/31/16	No	
Draft Project Report	05/31/16	No	
Final Project Report	07/15/16	No	

**Comments:**

**Project Reports and Other Informational Materials:**