



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



Section 319 Biannual Report



FAA 3191304 – The **Countywide Watershed BMP Implementation Program Section 319 Project** included installation of best management practices at three sites in Lake County. This included two streambank stabilization projects and a daylighting project.

The daylighting project created 2,002 feet of two-stage surface stream channel for the Skokie River (HCCD-01), which had flowed underground in a piped system.

Daylighting included excavation of the channel, shaping of the new stream bank, installation of erosion control blanket and coir logs at the toe of the floodplain benches, and the establishment of permanent vegetation cover.



TABLE OF CONTENTS

Title	Page
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	20
Section 319(h) – Nonpoint Source Pollution Control Financial Assistance Program	30
 COMPLETED PROJECTS	
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	Appendix 1
 Title	
FFY 2013 FEDERALLY FUNDED SECTION 319 PROJECTS	36
Nonpoint Source Pollution Management Workshop	36
Kickapoo Creek National Monitoring Project	36
Buffalo Creek Watershed-Based Plan	37
Outreach to Farmers: Lake Mauvaise Terre Watershed	37
Countywide Watershed BMP Implementation Program	38
Upper Babbling Brook Multi-BMP Project	39

Title	Page
Kinkaid Lake BMP Implementation	40
Hobson Creek Corridor BMPs at Caddie Corner Park	40
2013 Green Campus Initiatives	41
Otter Lake TMDL Implementation	42
Phase 4 of Salt Creek Streambank Stabilization	42
RMMS Maintenance and Enhancement	43
Lake Wildwood Stream and Floodplain Restoration	43
FFY 2014 FEDERALLY FUNDED SECTION 319 PROJECTS	44
Spring Branch Subwatershed Action Plan	44
Silver Creek Watershed Based Plan	45
Carpenter Creek Stream Restoration	45
Lake Bloomington Paired Watershed Cover Crop Study	46
Candlewick Lake Bioswale Project	46
West Fork Stabilization in Downtown Glenview	47
Lakes Bloomington & Evergreen Watershed Social Assessment	48
Watershed Monitoring Plan & QAPP Development	48
Oakwood Hills Fen Stream Corridor Restoration	49
FFY 2015 FEDERALLY FUNDED SECTION 319 PROJECTS	50
Implementation of Watershed Monitoring Plan	50
ONGOING PROJECTS	
FFY 2013 FEDERALLY FUNDED SECTION 319 PROJECTS (INCREMENTAL FUNDS)	51
Indian Creek Watershed Project	51
FFY 2014 FEDERALLY FUNDED SECTION 319 PROJECTS (NPS PROGRAM FUNDS)	52
BMP Implementation to Protect the Sangamon River	52
Illinois CREP Implementation & Stewardship Specialists	53
Apple Canyon Lake Comprehensive Watershed Plan	54
FFY 2014 FEDERALLY FUNDED SECTION 319 PROJECTS (WATERSHED PROJECT FUNDS)	55
Accelerating BMP Adoption for Lake Decatur	55
Lake Carlinville Improvements - Phase 2	56
North Mill Creek Channel Restoration - Phase I	57
Lake Springfield Watershed BMP Implementation	58
Monitoring of Kickapoo Creek near Charleston, Illinois	59
Otter Creek Stabilization - Village of South Elgin	60
FFY 2015 FEDERALLY FUNDED SECTION 319 PROJECTS (NPS PROGRAM FUNDS)	61
Total Maximum Daily Load Development	61
Streambank Clean Up & Lakeshore Enhancement (SCALE)	63
Nonpoint Source Pollution Management Workshop	64
Waverly Lake Watershed Implementation Plan and "Third-Party" TMDL	65
Watershed Plan Development for Impaired DuPage County Waterways	66
FFY 2015 FEDERALLY FUNDED SECTION 319 PROJECTS (WATERSHED PROJECT FUNDS)	67
Lake Mauvaise Terre Pollutant Reduction Initiative & TMDL Implementation	67
Des Plaines River Watershed BMP Implementation and Planning Program	68
Cedar Lake BMP Implementation - Gully & Shoreline Stabilization	70
Permeable Paver BMPs - Athletic Recreation Center	71
Crabtree Creek Corridor Stabilization Project	72
Shaw Property - Nippersink Creek Stream Corridor Enhancement Project	73

Title	Page
Making the Nitrogen Fall in Season	74
Columbine Boulevard Bioswale	75
FFY 2016 FEDERALLY FUNDED SECTION 319 PROJECTS (NPS PROGRAM FUNDS)	76
Total Maximum Daily Load Development	76
Copperas Creek Watershed Project	77
Upper Cache River Watershed Plan	78
Illinois Nutrient Loss Reduction Strategy Implementation	79
Watershed-Based Plan Development	80
Lake Bloomington Pilot: Reducing Nitrogen Loss and Improving Water Quality	81
Hickory Creek Green Infrastructure	83
Galena River Watershed Plan	84
FFY 2016 FEDERALLY FUNDED SECTION 319 PROJECTS (WATERSHED PROJECT FUNDS)	85
Woods Creek Streambank Stabilization and Restoration	85
Timber Lake South Inlet Project	86
Nippersink Creek Watershed Plan Implementation	87
Kinkaid Lake BMP Implementation	89
Otter Lake Watershed Plan and TMDL Implementation	90
Upper Silver Creek BMP Implementation	91
Fetzner Park Riparian Area Restoration	92
Raingarden/Bioswales at Tower Lakes	93
Kimball Farms Detention Basin Retrofit Project	94
Clinton County Livestock Waste Management Project	95

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:

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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 2016 cycle Integrated Report, a total of 18,056 (15.0%) of the 119,244 stream miles in Illinois were assessed for use support and 10,948 miles (60.6%) of those assessed streams have been identified as being impacted by point or nonpoint sources.

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	7,691	55.0
1994	4,729	33.4	2,464	17.4	64	0.5	6,893	48.7	14,150	100	7,193	50.8
1996	12,811	36.4	3,203	9.1	3,024	8.6	16,137	45.9	35,175	100	16,014	45.5
1998	9,561	33.6	2,882	10.1	115	0.4	15,890	55.9	28,448	100	12,443	43.7
2000	3,604	23.6	1,742	11.4	97	0.6	9,861	64.4	15,304	100	5,346	35.0
2002	3,325	20.9	1,798	11.3	116	0.7	10,694	67.1	15,933	100	5,123	32.2
2004	3,471	23.0	1,429	9.5	170	1.1	6,499	43.1	11,569	**76.7	4,900	32.5
2006	6,856	44.5	1,529	9.9	93	0.6	6,946	45.0	15,424	100	8,385	54.4
2008**	7,367	47.3	1,446	9.3	84	0.5	6,672	42.9	15,569	100	8,813	56.6
2010**	7,811	45.9	1,398	8.2	101	0.6	7,701	45.3	17,010	100	9,209	54.1
2012**	8,673	49.6	1,384	7.9	78	0.4	7,419	42.4	17,476	100	10,057	57.5
2014**	9,271	52.3	1,370	7.7	73	0.4	7,002	39.5	17,717	100	10,641	60.1
2016**	9,549	59.9	1,315	7.3	84	0.4	7,108	39.4	18,056	100	10,948	60.6

* 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, 10,948 miles (60.6%) of the assessed streams in Illinois have been identified as "perennial waters within the State which, without additional action to control nonpoint sources of

pollution, cannot reasonably be expected to obtain or maintain applicable water quality standards or the goals and requirements of the Clean Water Act."

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

Lakes

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

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	%
	Of Assessed		Of Assessed		Of Assessed		Of Assessed		Of Assessed		Of Assessed	
1992	83,920	40.8	103,138	50.0	47	0.0	18,976	9.2	206,081	100	187,058	90.8
1994	67,670	36.0	62,052	33.1	0	0.0	57,877	30.9	187,599	100	129,722	69.1
1996	74,105	39.4	56,619	30.1	0	0.0	57,319	30.5	188,043	100	130,724	69.5
1998	78,537	41.8	63,358	33.6	0	0.0	46,393	24.6	188,288	100	141,895	75.4
2000	86,310	55.8	43,853	28.3	0	0.0	24,632	15.9	154,795	100	130,163	84.1
2002	95,585	63.5	44,059	29.2	0	0.0	11,063	7.3	150,707	100	139,644	92.7
2004	84,079	54.6	43,309	28.1	0	0.0	9,151	5.9	136,539	**88.6	127,388	82.7
2006	122,602	83.5	20,665	14.1	0	0.0	3,465	2.4	14,673	100	143,268	97.6
2008**	104,692	71.0	39,839	27.1	0	0.0	2,830	1.9	147,361	100	144,531	98.1
2010**	101,480	68.5	45,250	30.6	0	0.0	1,284	0.9	148,014	100	146,730	99.1
2012**	103,666	69.2	44,147	29.5	0	0.0	1,979	1.3	149,792	100	147,812	98.7
2014**	102,073	68.1	43,307	28.9	0	0.0	4,469	3.0	149,849	100	145,380	97.0
2016**	108,692	71.8	40,015	26.4	0	0.0	2,728	1.8	151,435	100	148,707	98.2

* 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, 148,707 acres (98.2%) of the assessed lakes in Illinois have been identified as "perennial waters within the State which, without additional action to control nonpoint sources of pollution, cannot reasonably be expected to obtain or maintain applicable water quality standards or the goals and requirements of the Clean Water Act."

Important nonpoint sources of impairment include crop production and agriculture, littoral and shoreline modifications, runoff from forest/grassland/parkland, other recreational pollution

sources, atmospheric deposition of toxics, and urban runoff/storm sewers. Phosphorus, total suspended solids, aquatic algae, aquatic plants (macrophytes), dissolved oxygen, and sedimentation/siltation were identified as the greatest nonpoint source related causes of lakes not attaining full support ratings.

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 3.88 square miles (100%) of Lake Michigan bays and harbors in Illinois' jurisdiction were assessed for aquatic life use support. Only 0.06 square miles are not supporting aquatic life designated use. Contaminated sediments and urban runoff/storm sewers were identified as the sources of nonpoint source pollution impacting Lake Michigan bays and harbors in Illinois. Cadmium, chromium, copper, lead, phosphorus, and zinc were identified as the causes of Lake Michigan bays and harbor not attaining full support ratings.

Lake Michigan includes a total of 64 shoreline miles, forming the northeastern portion of Illinois' border. A total of 5.5 miles of Lake Michigan shoreline in Illinois were assessed as fully supporting for primary contact use while the remaining 58.6 miles were assessed as not supporting due to contamination from *Escherichia coli* bacteria.

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 364 fixed locations. For the 2016 cycle Integrated Report, 146 wells within this network were rated as Fully Supporting ("good"), 160 were rated as Not Supporting ("fair"), and 58 were rated as Not Supporting ("poor").

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

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

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 found in Appendix C of the Nonpoint Source Program and Grants Guidelines for States and Territories dated April 12, 2013 (as revised), Chicago Metropolitan Agency for Planning's "Guidance for Developing Watershed Action Plans in Illinois" dated June 2007, and current watershed planning principles. 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. 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.

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

Highland Silver Lake	ROZA	Madison	City of Highland	TSS, TP	Dec-09
Crystal Lake	VTZH	McHenry	Crystal Lake Park District	TP	Sep-10
Canton Lake	RDD	Fulton	City of Canton	TSS, TP, DO, aquatic algae	Nov-95
Charleston Side Channel Reservoir	RBC	Coles	City of Charleston	TP, aquatic algae, DO	Jun-92
Dawson Lake	REE	McLean	Illinois Dept. of Conservation (IDOC)	TP	Apr-88
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
Frank Holten State Park Lakes	RJK, RJL, RJM	St. Clair	Illinois Dept. of Conservation (IDOC)	TP, TSS, DO, aquatic algae	1975
Lake George	RHR	Cook	Village of Richton Park	TSS, TP, aquatic algae, DO, non native species	Jun-96
Herrick Lake	WGM	DuPage	Forest Preserve District of DuPage County	TP, TSS, aquatic algae, DO	Mar-94
Indian Lake	WGZY	Cook	Chicago Zoological Society - Brookfield Zoo	TP, aquatic algae, TSS, DO	Dec-97
Lake of the Woods	REG	Champaign	Champaign County Forest Preserve District	TP, TSS	Feb-83
Lake Lou Yaeger	RON	Montgomery	City of Litchfield	TP, DO, TSS	Jan-95
Lake Le-Aqua-Na	RPA	Stephenson	Illinois Dept. of Conservation (IDOC)	TP, aquatic algae, aquatic plants, TSS	Mar-83
McCullom Lake	RTZD	McHenry	City of McHenry	aquatic algae, TSS, TP, aquatic plants, non native species, DO	Jul-92
Paris Twin Lakes	RBL, RBX	Edgar	City of Paris	TP, DO, TSS	Dec-92
Pinckneyville Reservoir	RNH	Perry	City of Pinckneyville	TSS, TP, aquatic algae, DO, non native species	Jun-91
Pittsfield Lake	RDP	Pike	City of Pittsfield	TP, TSS	Nov-89
Sherman Park Lagoon	RHU	Cook	Chicago Park District	aquatic plants, DO, TP, TSS	Jun-05
Skokie Lagoons	RHJA	Cook	Forest Preserve District of Cook County	TP, TSS, DO, aquatic algae	Nov-83
Springfield	REF	Sangamon	City of Springfield	TSS, TP, aquatic plants,	Mar-87
Stephen A. Forbes Lake	RCD	Marion	Illinois Dept. of Conservation (IDOC)	TSS, TP, DO	Aug-95
Wolf Lake	RHA	Cook	Hammond, IN Park District	aquatic plants, fecal coliform, contaminated sediments	Oct-96

Watershed-Based Plans in Illinois – Completed

Title of Plan	Author(s)	Completion Date	HUC
Silver Creek Watershed-based Plan	Living Waters Consultants, Inc.; Silver Creek Watershed Committee	7/15/2016	071200040506 (partial)
Spring Branch Watershed Implementation Plan	Blackhawk Hills RC&D; Olson Ecological Solutions, LLC	7/1/2016	70900031304
Boone-Dutch Creek Watershed-based Plan	Chicago Metropolitan Agency for Planning; Geosyntec Consultants	3/1/2016	71200061101
Buffalo Creek Watershed-Based Plan	Lake County Stormwater Management Commission; Bleck Engineering; Cardno; TRC; Living Lands Conservation Company	12/1/2015	071200040501; 071200040502; 071200040503
Upper Silver Creek Watershed-based Plan	HeartLands Conservancy; Madison County Planning & Development	11/1/2015	071402040506; 071402040503; 071402040504; 071402040505; 071402040502; 071402040501
Spring Brook No. 1 Watershed Plan	DuPage County Stormwater Management	11/1/2015	
Thorn Creek Watershed Based Plan	Chicago Metropolitan Agency for Planning; Geosyntec Consultants; Northeastern Illinois Planning Commission	12/1/2014	071200030201; 071200030202; 071200030203; 071200030204
Lake Mauvaise Terre Watershed Implementation Plan	American Farmland Trust; Northwater Consultants	10/31/2014	71300110402
Big/Long Creek Watershed TMDL Implementation Plan	Northwater Consultants; Agricultural Watershed Institute	8/31/2014	71300060406
Big Ditch Watershed TMDL Implementation Plan	Champaign County Soil and Water Conservation District; Northwater Consultants; Agricultural Watershed Institute	8/31/2014	071300060202; 071300060203
East Branch South Branch Kishwaukee River Watershed-based Plan	County of DeKalb; Hey and Associates, Inc	7/15/2014	070900060501; 070900060502; 070900060503; 070900060504
Candlewick Streams and Lakes Conservation Plan	Candlewick Lake Association, Inc.; Olson Ecological Solutions, LLC	7/1/2014	70900060402
9 Lakes Watershed-based Plan	Chicago Metropolitan Agency for Planning	6/1/2014	071200061007; 071200061103; 071200061104; 071200061105
Mill Creek Watershed and Flood Mitigation Plan	Lake County Stormwater Management Commission; Northwater Consultants	4/8/2014	71200040202
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	71200040703
Buckbee Creek Watershed Based Plan	County of Winnebago Highway Department	7/31/2013	70900050401
Madigan Creek Watershed Based Plan	County of Winnebago Highway Department	7/31/2013	70900060802
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	71200061201

Jelkes Creek - Fox River Watershed Action Plan	Geosyntec Consultants; Kane-DuPage Soil and Water Conservation District	12/19/2012	71200061206
Spring Creek Watershed-Based Plan	Applied Ecological Services, Inc.; Spring Creek Watershed Partnership; Integrated Lakes Management, Inc; Tallgrass Restoration, LLC	9/1/2012	71200061202
Ferson-Otter Creek Watershed Plan	Chicago Metropolitan Agency for Planning; The Conservation Foundation; Fox River Ecosystem Partnership	12/31/2011	071200070102; 071200070103
Blackberry Creek Watershed Action Plan	Chicago Metropolitan Agency for Planning; The Conservation Foundation; Fox River Ecosystem Partnership	12/30/2011	071200070201; 071200070202
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	071200061105; 071200061102
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	71200040201
Embarras River Watershed Management Plan	V3 Companies of Illinois; Northwater Consultants	10/1/2011	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
Clear Creek Watershed Action Plan	Lost Nation-New Landing River Conservancy District; Olson Ecological Solutions, LLC	9/30/2011	70900050601
Cedar Lake Watershed Needs Evaluation	HDR Engineering	8/1/2011	71401061203
Watershed Plan for Highland Silver Lake Watershed	HDR/CWI Consulting Engineers & Scientists	7/1/2011	071402040401; 071402040402
Lower DuPage River Watershed Based Plan	Chicago Metropolitan Agency for Planning; The Conservation Foundation	6/1/2011	071200040806; 071200040807; 071200040808; 071200040809; 071200040810
Hickory Creek Watershed Plan	Chicago Metropolitan Agency for Planning	6/1/2011	071200040601; 071200040602; 071200040603

Indian Creek, Dago Slough, and Prairie Creek LRS/TMDL	Illinois Environmental Protection Agency	12/16/2010	71300050905
Prairie Creek Watershed TMDL Report	Illinois Environmental Protection Agency	12/16/2010	71300100702
Crystal Lake Clean Lakes Phase 1 Protection Plan	Crystal Lake Park District; Hey and Associates, Inc	9/1/2010	71200061201
Aux Sable Creek Watershed Plan	Wills Burke Kelsey Associates, Ltd	6/1/2009	071200050101; 071200050103; 071200050102; 071200050104; 071200050105; 071200050106
Staunton Lake Phase 1 Diagnostic Feasibility Study	Zahniser Institute for Environmental Studies	5/1/2009	71401010102
Jackson Creek Watershed Plan – Technical Report	Chicago Metropolitan Agency for Planning; Will County Stormwater Management Planning Committee	4/1/2009	071200040902; 071200040903
Rock River Ravines Watershed Plan 2008	Quad Cities Watershed Planning Committee	12/1/2008	070900051302; 070900070604; 070900051104; 070801010406
Upper Kishwaukee River Watershed Plan – Technical Report	Chicago Metropolitan Agency for Planning	11/1/2008	70900060205
Dead River Watershed - Based Plan	Montgomery Watson Harza; Conservation Design Forum; Lake County Stormwater Management Commission	9/1/2008	40400020501
Lawrence Creek Watershed Plan – Technical Report	Chicago Metropolitan Agency for Planning	9/1/2008	70900060301
Kellogg Creek Watershed - Based Plan	Montgomery Watson Harza; Conservation Design Forum; Lake County Stormwater Management Commission	9/1/2008	40400020501
Beaver Creek Watershed Action Plan – Technical Report	Chicago Metropolitan Agency for Planning	9/1/2008	070900060401; 070900060402
Big Bureau Creek Watershed Based Plan	Bureau County Soil and Water Conservation District	8/5/2008	071300010401; 071300010402; 071300010501; 071300010502; 071300010503; 071300010504; 071300010505; 071300010601; 071300010602; 071300010603; 071300010701; 071300010702; 071300010703
Greater Bear Creek Area Watershed Plan	Hancock County Soil and Water Conservation District	7/1/2008	071100010401; 071100010402; 071100010403; 071100010404; 071100010501; 071100010502; 071100010503; 071100010504; 071100010505; 071100010506; 071100010507; 071100010508; 071100010509; 071100010601; 071100010602; 071100010604; 071100011001; 071100011002; 071100011004; 071100011005
Spring Lake Watershed Plan	McDonough County Soil and Water Conservation District	7/1/2008	71300100304
Evergreen Lake Watershed Plan	Evergreen Lake Watershed Planning Committee; McLean County Soil and Water Conservation District	7/1/2008	71300040502
Lower Part of the Upper Sangamon River Watershed Resource Plan	Macon County Soil and Water Conservation District	6/25/2008	071300060205; 071300060206; 071300060207; 071300060301; 071300060302; 071300060303; 071300060304; 071300060402; 071300060403; 071300060404; 071300060405; 071300060406; 071300060409

Lake Bloomington Watershed Plan	Lake Bloomington Watershed Planning Committee; McLean County Soil and Water Conservation District	6/17/2008	071300040201; 071300040202
Watershed Implementation Plan for Lake Vermilion and the North Fork Vermilion River	Vermilion County Soil and Water Conservation District	6/1/2008	051201090703; 051201090704; 051201090705; 051201090706; 051201090801; 051201090802; 051201090803; 051201090804; 051201090805; 051201090806
North Branch Chicago River Watershed-Based Plan for Lake and Cook Counties, Illinois	Lake County Stormwater Management Commission	5/22/2008	071200030101; 071200030102; 071200030103; 071200030105
Mary's River/North Fork Cox Creek TMDL Implementation Plan	Tetra Tech	4/3/2008	071401050201; 071401050202; 071401050203; 071401050204; 071401050205; 071401050206
Fish Lake Drain Watershed Management Plan	Conservation Design Forum; Lake County Stormwater Management Commission	4/1/2008	071200061008; 071200061103
Bull Creek/Bulls Brook Watershed-Based Plan	Applied Ecological Services, Inc.; Lake County Stormwater Management Commission	3/31/2008	
Shoal Creek Watershed TMDL Implementation Plan	Tetra Tech	3/17/2008	071402030404; 071402030405; 071402030406; 071402030601; 071402030602; 071402030603; 071402030604; 071402030401; 071402030402; 071402030403
Crab Orchard Creek Watershed TMDL Implementation Plan	Tetra Tech	3/6/2008	071401060801; 071401060802; 071401060803; 071401060804; 071401060805; 071401060806; 071401060807; 071401060808; 071401060809
Georgetown Lake TMDL Implementation Plan	Tetra Tech	3/4/2008	051201081001; 051201081002; 051201081003; 051201081004; 051201081101; 051201081102; 051201081103
The Tyler Creek Watershed Plan	Fluid Clarity, Ltd.; The Conservation Foundation; Watershed Resource Consultants, Inc.	3/1/2008	071200061203; 071200061204
South Fork Saline River/Lake of Egypt Watershed TMDL Report	Tetra Tech	2/28/2008	051402040101; 051402040102; 051402040103; 051402040104; 051402040105
Paris Twin Lakes TMDL Implementation Plan	Tetra Tech	2/28/2008	51201110501
The Nippersink Creek Watershed Plan	Watershed Resource Consultants, Inc.; Fluid Clarity, Ltd.; The Nippersink Creek Watershed Planning Committee	2/1/2008	071200060801; 071200060802; 071200060901; 071200060902; 071200060903; 071200060904; 071200060905; 071200060906; 071200060907
Cedar Creek/Cedar Lake TMDL Implementation Plan	Tetra Tech	2/1/2008	071401061201; 071401061202; 071401061203; 071401061204; 071401061205
Upper DuPage River Watershed Plan	Kabbes Engineering, Inc.; The Conservation Foundation	12/31/2007	071200040801; 071200040802; 071200040803; 071200040804; 071200040805
Flint Creek Watershed-Based Plan	Applied Ecological Services, Inc.	12/31/2007	71200061104
Waukegan River Watershed Plan	Geosyntec Consultants; Kabbes Engineering, Inc.; Waukegan Harbor Citizen's Advisory Group	12/31/2007	40400020501
Lake Carlinsville Watershed Plan & Phase 1 Study	HDR/CWI Consulting Engineers & Scientists	12/1/2007	71300120106

South Fork Sangamon River/Lake Taylorville Watershed TMDL Report	Illinois Environmental Protection Agency	12/1/2007	071300070202; 071300070203; 071300070201
Bay Creek Watershed TMDL Report	Illinois Environmental Protection Agency	11/1/2007	051402030801; 051402030802; 051402030803; 051402030804; 051402030805; 051402030806; 051402030807
Eagle Creek Watershed Plan	Gallatin County Soil and Water Conservation District	8/11/2007	051402040704; 051402040705
Cahokia Creek/ Holiday Shores Lake Watershed TMDL Report	Illinois Environmental Protection Agency	8/1/2007	071401010201; 071401010202; 071401010203; 071401010204; 071401010205; 071401010206; 071401010207
East Fork LaMoine River Watershed TMDL Report	Baetis Environmental Services, Inc.; Limno-Tech, Inc.	8/1/2007	071300100301; 071300100302; 071300100303; 071300100305; 071300100306
Poplar Creek Watershed Action Plan	Chicago Metropolitan Agency for Planning	7/1/2007	71200061205
Clinton Lake Watershed Management Plan	DeWitt County Soil and Water Conservation District	6/29/2007	071300090101; 071300090102; 071300090103; 071300090104; 071300090105; 071300090106; 071300090201; 071300090202; 071300090203; 071300090204
Watershed Implementation Plan for the Upper Salt Fork of the Vermilion River	Champaign County Soil and Water Conservation District	5/1/2007	051201090201; 051201090202; 051201090203; 051201090301; 051201090302; 051201090303; 051201090304; 051201090305; 051201090306; 051201090601; 051201090602; 051201090603
TMDL Implementation Plan Macoupin Creek Watershed	Limno-Tech, Inc.	2/1/2007	071300120101; 071300120102; 071300120103; 071300120104; 071300120105; 071300120107; 071300120108; 071300120109; 071300120401; 071300120402; 071300120403; 071300120404
Mauvaise Terre Creek Watershed TMDL Implementation Plan	Limno-Tech, Inc.	12/1/2006	071300110401; 071300110402; 071300110403; 071300110404
Rayse Creek Watershed Management Plan	Southern Illinois University	11/30/2006	071401060204; 071401060205; 071401060206
Hodges Creek Watershed TMDL Implementation Plan	Limno-Tech, Inc.	11/1/2006	071300120201; 071300120202; 071300120203; 071300120204; 071300120205; 071300120206; 071300120207
Kinkaid Lake Phase 1 Diagnostic/Feasibility Study	Cochran & Wilken, Inc; Kinkaid-Reeds Creek Conservancy District	9/1/2006	071401061101; 071401061102
Glenn Shoals Lake Phase 1 Diagnostic Feasibility Study	Zahniser Institute for Environmental Studies	9/1/2006	071402030201; 071402030202; 071402030203
Indian Creek Watershed Plan	Applied Ecological Services, Inc.; Lake County Stormwater Management Commission	6/1/2006	71200040501
Raccoon Lake Phase 1 Diagnostic Feasibility Study	Curl & Associates, Inc.; Hanson Professional Services Inc.	6/1/2006	071402020804; 071402020805
Kinmundy Old Reservoir Phase 1 Diagnostic & Feasibility Study	Heartland Ecosystem Services, Inc.	9/1/2005	71402020505
Patriots Park Lake Phase 1 Diagnostic Feasibility Study	Kingsbury Park District; Heartland Ecosystem Services, Inc.; Zahniser Institute for Environmental Studies	6/1/2005	71402030308
Dutchman Creek TMDL Report	Illinois Environmental Protection Agency	10/1/2004	051402060401; 051402060402
Casey Fork TMDL Report	Illinois Environmental Protection Agency	10/1/2004	071401060102; 071401060103; 071401060101
Vandalia Lake TMDL Report	Illinois Environmental Protection Agency	10/1/2004	71402020603

Sequoit Creek Watershed Plan	Lake County Stormwater Management Commission	7/1/2004	71200061004
Beaucoup Creek TMDL Report	Illinois Environmental Protection Agency	6/1/2004	071401061001; 071401061002; 071401061004; 071401061005; 071401061006; 071401061007; 071401061008; 071401061009; 071401061010; 071401061011; 071401061003
Squaw Creek Watershed Management Plan	Lake County Stormwater Management Commission	5/1/2004	071200061007; 071200061008
Total Maximum Daily Load Development for Fox River	Illinois Environmental Protection Agency	4/1/2004	051201140601; 051201140602; 051201140603; 051201140604; 051201140605; 051201140606
Lake Paradise Phase 1 Diagnostic/Feasibility Study	Crawford, Murphy, and Tilly, Inc; Goodpaster & Associates, Inc; Illinois Department of Natural Resources	3/1/2004	51201140101
Campus LakePhase 1 Diagnostic/Feasibility Study	Southern Illinois University	3/1/2004	71401060809
Tenmile Creek Watershed Restoration Plan	Tri-County Regional Planning Commission	1/1/2004	71300011705
Partridge Creek Watershed Restoration Plan	Tri-County Regional Planning Commission	1/1/2004	71300011701
Ackerman Creek Watershed Restoration Plan	Tri-County Regional Planning Commission	1/1/2004	71300011601

Watershed-Based Plans in Illinois - Under Development

Title of Plan	Author(s)	Completion Date	HUC
Apple Canyon Lake Watershed Basd Management Plan	Jo Daviess County SWCD	8/10/2016	070600050601
Lake Springfield Watershed-based Plan	Sangamon County Soil and Water Conservation District	10/31/2016	071300070701; 071300070702; 071300070703; 071300070704; 071300070705; 071300070706; 071300070707
Hurricane Creek Watershed-based Plan	Greater Egypt Regional Planning and Development Commission	11/1/2016	071401060705
Waverly Lake Watershed Implementation Plan and TMDL	Northwater Consultants	7/1/2017	071300110601 (partial)
St. Joseph Creek Watershed Resource Inventory & Watershed-based Plan	DuPage County Stormwater Management	7/31/2017	071200040804 (partial)
Winfield Creek Watershed-based Plan	DuPage County Stormwater Management	7/31/2017	071200040802 (partial)
Sawmill Creek/Wards Creek Watershed-based Plan	DuPage County Stormwater Management	7/31/2017	071200040704
Kress Creek Watershed-based Plan	DuPage County Stormwater Management	7/31/2017	071200040802 (partial)
Klein Creek Watershed-based Plan	DuPage County Stormwater Management	7/31/2017	071200040802 (partial)
Lower Salt Creek Watershed-based Plan	Chicago Metropolitan Agency for Planning	12/31/2017	071200040403; 071200040402; 071200040404
Upper Cache River Watershed Plan	Union County Soil and Water Conservation District	7/31/2018	051402060502; 051402060508; 051402060503; 051402060501

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 – 10,641 miles 2016 – 10,948 miles</p> <p>Percent of assessed stream miles impaired by NPS by Integrated Report year. 2014 – 60.1% 2016 – 60.6%</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 2016 – 148,707 acres</p> <p>Percent of assessed lake acres impaired by NPS by Integrated Report year. 2014 – 97.0% 2016 – 98.2%</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 FFY 2015 – 3,670 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 FFY 2015 – 250,637 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 – 28,377 pounds/year FFY 2015 – 19,907 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 – 11,818 pounds/year FFY 2015 – 6,899 pounds/year
PROGRAMATIC MILESTONES-establish and implement effective, integrated, and holistic actions for the abatement and prevention of known and presumed water quality impairments ensuing from NPS pollution; foster multi-agency cooperation and local stakeholder input on the development, maintenance, implementation, and evaluation of this statewide plan of action; safeguard water quality from NPS pollution, consistent with the social and economic needs of the state, so as to protect health, welfare, property, and the quality of life; and satisfy the informational and procedural requirements of a state nonpoint source management program as stipulated under Section 319 of the Clean Water Act and associated federal guidance, including the nine key program elements of a successful state program as defined by U.S. EPA.			
B1	The RMMS database will continue to be updated monthly and information added to track present and historical BMP implementation (date, type, location, effectiveness, etc.) by state and federal agencies.	On-going	BMPs implemented under Section 319 and IGIG are tracked through RMMS. Illinois EPA 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 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), Waverly Lake Watershed Implementation Plan and "Third-Party" TMDL (15-02), Lake Mauvaise Terre Pollutant Reduction Initiative & TMDL Implementation (15-05), Cedar Lake BMP Implementation - Gully & Shoreline Stabilization (15-07), Nippersink Creek Watershed Plan Implementation (16-10), Kinkaid Lake BMP Implementation (16-11), Otter Lake Watershed Plan and TMDL Implementation (16-12)</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	<p>Data were collected and analyzed in accordance with the Illinois Water Monitoring Strategy and results were released for public comment. The final 2016 Illinois Integrated Water Quality Report and Section 303(d) List was submitted to USEPA in July 2016.</p>
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 & 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 two (2) waterbodies (RBD, BPGD) that were partially or fully restored.</p> <p>During 2015 one Success Story was approved by USEPA documenting one waterbody (IL_DZC) that was 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>	Met	<p>Illinois' "<u>Long-term Vision for Assessment Restoration and Protection</u>" addresses WQ-21.</p>
B7	<p>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></p>	Pending	<p>Strategies to meet this measure will be reassessed now that the new 319 Guidance has been released.</p>
B8	<p>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.</p>	On-going	<p>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.</p>
B9	<p>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.</p>	On-going	
B10	<p>Annually submit a success story to U.S. EPA Region V for consideration.</p>	On-going	<p>Since 2013, the number of success stories submitted to USEPA annually are as follows: 2013 – 1 (Lake Vermilion) 2014 – 0 2015 – 1 (Blue Creek)</p>

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 Zone Act Reauthorization Amendments of 1990 (CZARA).	On-going	Illinois' Coastal Nonpoint Pollution Control Program was submitted to NOAA and USEPA on July 31, 2014. In 2016, NOAA and USEPA approved Illinois' Coastal Nonpoint Pollution Control Program subject to certain conditions explained in the findings document. Illinois EPA will continue to work with IDNR as they develop the required elements to receive full approval of their program.
B13	Annually the Illinois EPA will issue a request for proposals soliciting applications for Section 319(h) funding for projects that prevent, eliminate, or reduce water quality impairments by nonpoint source pollution.	On-going	During the following Section 319 grant cycles Illinois received. FFY15 – 33 applications requesting \$10 million dollars in financial assistance. FFY16 – 45 applications requesting \$7.6 million dollars in financial assistance. FFY17 – 37 applications requesting \$12 million dollars in financial assistance.
NUTRIENTS-Provide programs and initiatives for the development of nutrient reductions in the state to address water quality protection.			
C1	As part of the TMDL process, develop Load Reduction Strategies (LRS) for all identified nutrient pollutants that do not have an Illinois Water Quality Standard. This will be a contractual item for all vendors beginning with the 2012 contracts. The number of watersheds for which a LRS was developed will be reported annually.	On-going	Language was incorporated into the RFP for the FFY2012, FFY2013, and FFY2014 TMDLs.
C2	Illinois EPA along with our partners will develop and implement a Nutrient Reduction Strategy for Illinois waters. Through this document it is anticipated the NPS Program will be altered to meet the goals and objectives of this strategy. The Program will be amended to meet these objectives during the 2014 Bureau of Water Annual Hearing. This strategy will be released to the public January 2014.	Met	The final <i>Illinois Nutrient Loss Reduction Strategy</i> was released July 21, 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	On-going	Illinois EPA supported monitoring is occurring in the Indian Creek watershed, which is part of the MRBI.

	in at least one designated MRBI watershed for the life of the MRBI program.		
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.			
D1	Report on the progress of the Groundwater NPS Program for NPS Source Impacts to Groundwater in the ICCG Biennial Report.	On-going	Progress of the Groundwater NPS Program for 2013 – 2014 was documented in the ICCG Biennial Report.
D2	Integrate source water assessments and protection areas into geographic information system (GIS) layers to be incorporated into the Resource Management Mapping Service (RMMS).	On-going	Illinois EPA is initiating a process to integrate GIS layers of source water assessments and protection areas to be incorporated into the (RMMS) website.
D3	Training and BMP implementation will be used to foster road salt application BMPs and training to prevent and reduce chloride contamination trends in Priority Regional Groundwater Protection Planning Areas and in designated Class III: Special Resource Groundwater Areas. (Groundwater Section)	On-going	
D4	Provide a feedback mechanism to identify the acres of BMPs implemented under the Conservation Reserve Program within delineated wellhead protection areas. (Groundwater Section)	Pending	Illinois EPA has provided GIS coverage's of CWS delineated wellhead protection areas to USDA/NRCS to further promote this effort. However, due to confidentiality restrictions we are unable to document the relative success of this program.

WETLANDS- Promote voluntary projects and programs to increase public awareness of wetlands and their benefits through education, demonstrations, and wetland monitoring. Planning, design, and implementation of BMPs for wetland NPS control projects should be evaluated and compared across a large cross section of restoration sites. This will allow identification of common characteristics, which contribute to project success, regardless of its geographic location or type.

E1	Investigate the possibility of incorporating a statewide wetlands net gain/loss as a data layer to RMMS by 2016.	Pending	Illinois EPA staff have been in communication with the Illinois Department of Natural Resources on this issue.
E2	Wetland protection will be incorporated into watershed-based plans. The NPS components of Illinois EPA-approved watershed-based plans will be incorporated by reference into the NPS Program and implementation of watershed-based plans will be tracked through RMMS.	On-going	

EDUCATION-Encourage the creation, improvement and training of information and education programs that specifically explain NPS pollution, evaluation, prevention, implementation, restoration/preservation and planning through displays, audio and visual presentation materials, and printed materials.

F1	Participation in the Volunteer Lake Monitoring Program will increase by five percent between 2012 and 2018. Baseline for this milestone is 140 VLMP lakes in 2012.		2013: 150 Lakes (7% increase) 2014: 152 Lakes (8% increase) 2015: 151 Lakes (7% increase)
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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. A rural workshop, focused on watershed planning, will be held in 2016.
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MONITORING-Review, and when appropriate expand on monitoring efforts throughout the State. Evaluate and incorporate monitoring initiatives into NPS pollution reduction programs as part of the comprehensive watershed approach. Develop initiatives and programs that employ monitoring efforts as an educational tool to make sound and adaptive planning decisions. Apply the relevant data into the documentation of long-term water quality trends. Continue to incorporate the data collected into an accessible and useable database.

G1	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.
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G2	Participate in watershed monitoring and reporting for Section 319 National Monitoring Program Projects. Continue current project (The Grove on Kickapoo) until at least 2015.	Met	The Grove on Kickapoo project was completed in the fall of 2015.
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G3	<p>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.</p>	On-going	<p>The Draft 2013-2018 Illinois Water Monitoring Strategy was submitted to USEPA Region V on May 30, 2014 for comment.</p> <p>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.</p>
G4	<p>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.</p>	On-going	<p>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.</p>
G5	<p>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).</p>	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 December, 2016.</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 & Evergreen Watershed Social Assessment (14-13, started)</p> <p>2015 - Indian Creek Watershed</p>

		Project (13-11, underway); Lake Bloomington & Evergreen Watershed Social Assessment (14-13, underway) 2016 - Indian Creek Watershed Project (13-11, underway); Lake Bloomington & Evergreen Watershed Social Assessment (14-13, completed)
PLANNING-Develop programs and projects that are supported by local interest; create intergovernmental cooperation; develop comprehensive resource management plans for the protection or restoration of lakes, streams, reservoirs, and groundwater aquifers.		
H1	During 2014 through 2018, seven (7) Watershed-based Plans covering at least ten (10) 12-digit hydrologic unit codes will be completed or updated.	Met 2014: 9 watershed-based plans covering 19 12-digit hydrologic unit codes. 2015: 2 watershed-based plans covering 7 12-digit hydrologic unit codes.
H2	Continue quarterly meetings, and information gathering from the ICCG, GAC, and the Regional Priority Groundwater Protection Planning on the Plan for NPS Impacts to Groundwater.	On-going
H3	Incorporate groundwater and source water protection into watershed based plans	On-going
H4	Watershed-based plans that meet the 9 minimum elements, as determined by Illinois EPA, will be identified in Illinois EPA's Section 319 Biannual Report and the Resource Management Mapping Service (RMMS) website. The NPS components of Illinois EPA-approved watershed-based plans will be incorporated by reference into the NPS Program and implementation of watershed-based plans will be tracked through RMMS.	On-going
AGRICULTURE- A primary state objective is to assist agricultural landowners to apply BMPs to the land to reduce soil erosion and sedimentation. Because water quality has always been an important resource concern in Illinois, programs and initiatives that promote actions to address water quality are a high priority.		
I1	Consistent with the NPS Program the Conservation Practices Program (CPP), Sustainable Agriculture (SA) Grant Program and Streambank Stabilization and Restoration Program (SSRP) administered by the IDA has been instrumental regarding BMP implementation for the improvement of water quality through the reduction of soil erosion and sedimentation throughout the State. Illinois will maintain 2010 funding levels. 2010 levels: CPP- \$1.8M; SA- \$275,000; SSRP- \$475,000	Not Met FY2011 funding levels were as follows: CPP \$811,477; Special Projects \$12,409; SSRP \$207,534; SA \$100,000. FY2012 funding levels were as follows: CPP \$681,400; SSRP \$92,288; SA \$66,000. FY2013 funding levels were as follows: CPP \$649,000; SSRP \$125,000; SA \$50,000; Special Projects 15,383. FY2014 funding levels were as

		<p>follows: CPP \$803,000; SSRP \$220,070; SA \$119,915; Special Projects \$5,000.</p> <p>FY2015 funding levels were as follows: CPP \$0; SSRP \$0; SA \$0.</p>	
<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.</p>			
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>	<p>On-going</p>	<p>The Illinois Urban Manual Update & NPS Program Assistance project was funded under the FFY 2011 Section 319 grant (11-03), FFY2013 Section 604b grant (604133), and FFY2015 Section 604b grant (604152) 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>	<p>On-going</p>	<p>The Illinois Green Infrastructure Grant Program was implemented in SFY 2011, 2012, 2013, and 2014. BMP implementation is reported through RMMS, GRTS, and the <u>IGIG</u> Biannual Report.</p>
<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.</p>			
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>	<p>On-going</p>	

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	\$2,328,164	\$3,421,836	9	9	\$700,000
2013	999520013	05/29/13	04/01/13	03/31/18	\$6,114,000	\$2,365,694	\$3,748,306	14	13	
2014	999520014	04/28/14	04/01/14	03/31/19	\$6,254,000	\$2,342,945	\$3,911,055	18	9	
2015	999520015	06/18/15	04/01/15	03/31/20	\$6,190,100	\$2,213,600	\$3,976,500	14	1	
2016	999520016	06/22/16	04/01/16	03/31/21	\$6,397,000	\$2,296,138	\$4,100,862	18	0	
	Totals				\$156,120,452	\$56,756,187	\$99,364,265	487	446	\$10,575,829

With funding under Section 319 of the Clean Water Act, the Illinois EPA has provided assistance to landowners, municipalities, and others for the implementation of nonpoint source pollution control projects. The types of eligible projects include the implementation of a watershed based plan or TMDL implementation plan; development of a watershed based plan, TMDL or TMDL implementation plan; best management practice (BMP) implementation; information and outreach; monitoring; and research. More information on 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)	-	3,754	-	14,342	1,116	-	931
Critical Area Planting (342)	-	15	-	1,116	559	-	3,915
Dam, Diversion (348)	1	-	-	-	-	-	-
Sediment Basin (350)	142	-	-	15,565	7,049	250,637	25,859
Diversion (362)	-	-	301	548	58	-	7
Pond (378)	142	-	-	20,194	9,744	-	24,130
Filter Strip (393)	-	13,893	-	331,173	167,895	-	107,389
Grade Stabilization Structure (410)	191	-	-	4,664	2,208	-	4,903
Grassed Waterway (412)	-	336	-	18,795	8,542	6	23,942
Strip Cropping (Field) (586)	-	2,163	-	1,607	1,121	-	602
Structure for Water Control (587)	1	-	-	-	-	-	-
Nutrient Management (590)	-	147,244	-	109,915	54,325	-	36,522
Terrace (600)	-	-	164,990	7,240	3,749	-	11,593

Tree Planting (612)	-	7,210	-	54,915	27,464	-	23,448
Water and Sediment Control Basin (638)	-	-	244,697	28,339	11,805	-	30,444
Infiltration Trench (845)	3	-	-	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)	-	-	38,127	17,179	8,092	983,269	7,591
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)	-	-	553,153	96,266	48,176	1,523	72,645
Ditch Stabilization (581)	-	-	6,565	612	309	11,752	299
Stream Channel Stabilization (584)	-	-	51,864	5,798	2,803	-	2,973
Wetland Restoration (657)	-	1,620	-	7,790	3,771	868,679	8,850
LIVESTOCK							
Waste Management System (312)	11	-	-	25,009	4,767	-	45
Waste Storage Structure (313)	26	-	-	28,737	4,557	-	23
Fencing (382)	-	-	16,809	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)	7	-	-	17,895	3,001	-	-
Roofing for Runoff Control (559)	8	-	-	4,554	1,866	-	-
Runoff Management System (570)	5	-	-	831	93	-	18
Stock Trails and Walkways (575)	-	-	1,331	-	-	-	-
Trough or Tank (614)	2	-	-	-	-	-	-
Wash Water Recovery (634)	4	-	-	29	739	-	-
OTHER2							
Education (1)	152	-	-	-	-	-	-
Monitoring (2)	46	-	-	-	-	-	-
Planning/Administration (3)	82	-	-	-	-	-	-
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)	-	118	-	457	190	17,354	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 Separator (10)	12	-	-	36	1	7,417	-
Green Roof (11)	-	1	-	2	11	23,285	-
Rain Garden (13)	66	-	-	373	134	137,660	-
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)	231	-	-	97,709	48,870	-	48,880
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)	56	-	-	9,598	2,271	2,144,789	17
Bio-retention Facility (812)	-	0	-	70	9	5,991	-
Bioswale (814)	-	5	-	2,192	322	287,187	-
Urban Filter Strip (835)	-	12	-	299	52	63,019	-
Grass-Lined Channels (840)	-	5	-	299	119	75,043	33
Infiltration Trench (845)	45	-	-	50	31	21,425	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)	-	15	-	550	53	68,680	-
Rock Outlet Protection (910)	17	-	-	-	-	-	-
Subsurface Drain (945)	-	-	1	3	-	339	-

Totals 1,012,702 469,411 5,151,164 620,141

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

Annual Pollutant Load Reductions Estimated for Completed BMPs

Federal Fiscal Grant Year	Nitrogen Lbs./Year	Phosphorus Lbs./Year	TSS Lbs./Year	Sediment Tons/Year
1990	1,528	602	0	587
1991	485	172	72,818	122
1992	216	108	0	127
1993	1,592	797	0	3,139
1994	5,546	2,699	0	96,505
1995	1,039	515	3,215	607
1996	23,234	11,607	15,353	62,915
1997	2,447	1,237	343	2,685
1998	3,357	1,153	512,465	66,187
1999	12,827	6,022	440,162	7,006
2000	84,764	42,580	6	20,315
2001	56,451	14,332	400,290	14,872
2002	334,852	169,068	382,554	117,671
2003	28,597	14,135	83,333	13,829
2004	72,508	36,754	460,551	44,653
2005	8,069	3,351	160,500	4,617
2006	101,869	49,693	123,685	51,663
2007	14,847	7,230	173,840	8,569
2008	27,562	7,618	99,306	4,066
2009	23,046	11,381	113,113	11,690
2010	68,308	32,862	83,232	31,472
2011	49,782	21,802	461,153	21,515
2012	24,316	8,848	3,373	5,193
2013	18,593	8,878	1,308,230	7,047
2014	25,727	6,686	253,642	6,110
2015	11,042	4,248	0	2,107
2016	0	0	0	0

COMPLETED PROJECTS

FFY13 FEDERALLY FUNDED SECTION 319 PROJECTS

Title: Nonpoint Source Pollution Management Workshop

Purpose: Illinois EPA hosted the second 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. Biennial workshops alternate between rural and urban agendas. The 2014 workshop focused on urban issues and included 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 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:

“Stormwater Best Management Practices Seminar – Final Report.” March 2015. The Conservation Foundation.

13-00 (319)CD

Title: Kickapoo Creek National Monitoring Project

Purpose: This project conducted surface water monitoring of Kickapoo Creek (ILEIE-03) to determine the effectiveness of the “Kickapoo Creek Corridor Restoration Project”. Monitoring documented 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 streambank 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 also included fecal coliform bacteria samples. All monitoring and associated data collected was entered into U. S. EPA’s Nonpoint Source Management System (NPSMS) and U. S. EPA’s STORET system.

Project Location: McLean County

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

13-01 (319)JC

Title: Buffalo Creek Watershed-Based Plan

Purpose: This project developed a watershed-based plan for the Buffalo Creek (ILGST) watershed, a tributary to the Upper Des Plaines River, located in Cook and Lake Counties, Illinois. The plan is 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, and current watershed planning principles. The watershed-based planning process focused on addressing water quality impairments in the watershed and providing the structure for reduction of nonpoint source pollution.

Project Location: Cook and Lake Counties

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

Project Reports and Other Informational Materials:

"Buffalo Creek Watershed-Based Plan." December 2015. Lake County Stormwater Management Commission; Cardno; TRC; Bleck Engineering Company, Inc.; Living Lands Conservation Company.

"Buffalo Creek Watershed-Based Plan – Executive Summary." December 2015. Lake County Stormwater Management Commission; Cardno; TRC; Bleck Engineering Company, Inc.; Living Lands Conservation Company.

13-02(319)ST

Title: Outreach to Farmers: Lake Mauvaise Terre Watershed

Purpose: This project provided information and outreach aimed primarily at agricultural stakeholders to encourage their adoption of nutrient management and best management practices (BMPs) to reduce nonpoint source (NPS) pollution loadings to Mauvaise Terre Lake (IL_SDL) and Mauvaise Terre River (ILDD-02 & ILDD-04). A product of this effort was a list of practices that when implemented will reduce nutrient and sediment loadings as defined in the TMDL report. This project also developed 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.

Project Location: Morgan County

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

Project Reports and Other Informational Materials:

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

“Lake Mauvaise Terre Watershed Implementation Plan; Addendum - Streambank Erosion & Lake Sediment Basin Assessment.” December 28, 2015. American Farmland Trust & Northwater Consulting.

“Outreach to Farmers: Lake Mauvaise Terre Watershed – Final Report.” December 30, 2015. American Farmland Trust.

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction		
			Sediment (Tons/Yr.)	Phosphorus (Pounds/Yr.)	Nitrogen (Pounds/Yr.)
570	Runoff Management System	1 no.	17.5	86	798

13-03(319)JC

Title: Countywide Watershed BMP Implementation Program

Purpose: This project implemented best management practices (BMPs) at three sites. The Indian Creek Streambank Stabilization project component stabilized 1,927 linear feet of eroded streambank along Indian Creek (ILGU-02) through bank re-shaping and the installation of cross vanes, J-hooks, root wad composites, stone toe protection, and native seeding. The Kildeer Creek Streambank and Stream Channel Stabilization project component stabilized 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 daylighted 2,002 linear feet of stream and retrofitted an existing irrigation pond into a 1.75 acre wet detention basin.

Project Location: Lake County

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

Project Reports and Other Informational Materials:

“Countywide Watershed BMP Implementation Program – Final Report.” March 31, 2016. Lake County Stormwater Management Commission.

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction		
			Sediment (Tons/Yr.)	Phosphorus (Pounds/Yr.)	Nitrogen (Pounds/Yr.)
009	Stream Channel Restoration	2,002 ft.	?	410	1,407
410	Grade Stabilization Structure	2 no.	4	4	8
580	Streambank and Shoreline Protection	550 ft.	90	90	179
584	Stream Channel Stabilization	1,927 ft.	254	206	410
800	Urban Stormwater Wetlands	1 no.	?	68	446

13-04(319) CD

Title: Upper Babbling Brook Multi-BMP Project

Purpose: This project implemented best management practices (BMPs) along 3.18 miles of Babbling Brook, a tributary of Lost Nation Lake (ILRPZF) within the Clear Creek (ILPZU) watershed near Dixon, Illinois. Approximately 2,675 feet of eroding, channelized stream on Babbling Brook over 3 sites were re-meandering and stabilized. Approximately 1,140 feet of eroding streambank on Babbling Brook over multiple sites were stabilized using rip rap and by thinning trees, removing brush, and restoring native plant communities to establish three acres of native plant filter strip along the stabilized streambanks. Approximately 4,500 feet of livestock exclusion fencing were installed over approximately 10 acres to limit the access of cattle to Babbling Brook. Livestock stream crossings were installed at 4 locations on Babbling Brook. A 2.55 acre sediment containment basin was constructed on Babbling Brook with 2,006 feet of rip rap and 7.92 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 was treated by extending the tile 1,100 feet where water discharges to a controlled area along the shoreline of the sediment basin and establishing a grassed waterway above the extended tile.

Project Location: Ogle County

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

Project Reports and Other Informational Materials:

“Upper Babbling Brook Multi-BMP Project.” July 31, 2015. Olson Ecological Solutions, LLC.

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction		
			Sediment (Tons/Yr.)	Phosphorus (Pounds/Yr.)	Nitrogen (Pounds/Yr.)
350	Sediment Basin	1 no.	?	220	-
393	Filter Strip	7.92 ac.	567	725	1,360
412	Grassed Waterway	0.33 ac.	168	182	413
009	Stream Channel Restoration	2,675 ft.	296	296	592
580	Streambank and Shoreline Protection	1,140 ft.	100	100	199
382	Fencing	4,500 ft.	?	?	?
575	Stock Trails and Walkways	48 ft.	?	?	?

13-05(319) SR

Title: Kinkaid Lake BMP Implementation

Purpose: This project helped protect the beneficial uses of Kinkaid Lake (ILRNC) from the impairments of nonpoint source (NPS) pollution. This project stabilized 3,109 feet of shoreline that were 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.

Project Location: Jackson County

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

Project Reports and Other Informational Materials:

"Kinkaid Lake TMDL Best Management Practices Implementation." July 2015. HMG Engineers Inc.

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction		
			Sediment (Tons/Yr.)	Phosphorus (Pounds/Yr.)	Nitrogen (Pounds/Yr.)
412	Grassed Waterway	0.8 ac.	69	69	137
580	Streambank and Shoreline Protection	3,109 ft.	793	793	1,586

13-06(319) JC

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 (ILGBL-05). The project site, Caddie Corner Park, is owned by the Woodridge Park District.

Project Location: DuPage County

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

Project Reports and Other Informational Materials:

“Hobson Creek BMPs at Caddie Corner Park - Project Evaluation and Final Report.” December 2014. Living Waters Consultants, Inc.

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	483 ft.	33	31	68
584	Stream Channel Stabilization	140 ft.	19	9	36

13-07(319) ST

Title: 2013 Green Campus Initiatives

Purpose: This project implemented best management practices (BMPs) to reduce nonpoint source pollution discharged to the East Branch of the DuPage River (ILGBL-05 & ILGBL-02) from two schools in Woodridge, Illinois. At the Willow Creek School, an existing asphalt play area was replaced with 14,322 square feet of permeable pavers and 622 square feet of rain garden and 310 square feet of infiltration trench were also installed. At the Edgewood School, existing asphalt parking and play areas were replaced with 57,965 square feet of permeable pavers and 5,990 square feet of rain gardens were installed. The project also included 6 interpretive signs (3 at each site), a brochure, and workshops.

Project Location: DuPage County

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

Project Reports and Other Informational Materials:

“2013 Green Campus Initiative Sustainability Guide.” (Brochure) 2015. Woodridge School District 68.

“2013 Green Campus Initiatives - Project Evaluation and Final Report.” January 2016. Woodridge School District 68.

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction		
			Sediment (Tons/Yr.)	Phosphorus (Pounds/Yr.)	Nitrogen (Pounds/Yr.)
013	Rain Garden	3 no.	?	-	-
845	Infiltration Trench	1 no.	?	-	-
890	Porous Pavement	1.66 ac.	?	1	11

13-08(319) ST

Title: Otter Lake TMDL Implementation

Purpose: The project installed upland and shoreline stabilization best management practices (BMPs) as recommended in the Hodges Creek Watershed TMDL Report (November 2006) for Otter Lake (ILRDF) in Macoupin County, Illinois. This project installed three grade stabilization structures, 6 water and sediment control basins, nine ponds, one sediment basin, and one stormwater wetland. The project also stabilized 2,819 linear feet of eroding shoreline.

Project Location: Macoupin County

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

Project Reports and Other Informational Materials:

“Otter Lake Shoreline Erosion Control & TMDL Implementation Project.” September 3, 2015. Otter Lake Water Commission.

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction		
			Sediment (Tons/Yr.)	Phosphorus (Pounds/Yr.)	Nitrogen (Pounds/Yr.)
350	Sediment Basin	1 no.	31	275	599
378	Pond	9 no.	384	957	1,821
410	Grade Stabilization Structure	3 no.	5	11	14
580	Streambank and Shoreline Protection	2,819 ft.	375	451	751
638	Water and Sediment Control Basin	1,295 ft.	52	100	168
800	Urban Stormwater Wetlands	1 no.	4	5	11

13-09(319) JC

Title: Phase 4 of Salt Creek Streambank Stabilization

Purpose: This project stabilized 850 feet of Salt Creek (ILGL) located between Central Road and Barker Avenue in Rolling Meadows, Illinois. The banks and toe of the slope were stabilized using stone toe with vegetated slopes in areas where erosion was severe. In areas where erosion was less severe, selected clearing of non-native plants, minor re-grading and replanting with native deep-rooted vegetation was used. Also, a brochure was developed and a public information meeting held to educate residents adjacent to the creek on the project and proper stream maintenance.

Project Location: Cook County

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

Project Reports and Other Informational Materials:

“Salt Creek Streambank Stabilization Stage 4 Project Final Report.” January 8, 2016. Christopher B. Burke Engineering, Ltd.

“Salt Creek Streambank Stabilization Educational Brochure.” 2014. Christopher B. Burke Engineering, Ltd.

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	850 ft.	233	233	468

13-10(319) ST

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 was 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, 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.

Project Location: Statewide

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

Project Reports and Other Informational Materials:

“Resource Management Mapping Service – Final Report.” July 2016. CyberInfrastructure and Geospatial Information Laboratory.

13-12(319)SR

Title: Lake Wildwood Stream and Floodplain Restoration

Purpose: This project realigned an existing 520 foot segment of Shaw Creek (ILDPA) that had 30 foot high eroding streambanks and stabilized both banks (800 feet) of the new

400 foot segment of stream using stone toe protection, three rock riffles, bank grading, and native riparian vegetation. Two connected, off-line sediment basins with a combined size of 1.13 acres were also built to trap and hold sediment before it enters Lake Wildwood (ILRDK).

Project Location: Marshall County

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

Project Reports and Other Informational Materials:

“Lake Wildwood Association Inc. Stream and Floodplain Restoration.” June 10, 2016. Hey and Associates, Inc.

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction		
			Sediment (Tons/Yr.)	Phosphorus (Pounds/Yr.)	Nitrogen (Pounds/Yr.)
350	Sediment Basin	2 no.	2,885	2,885	5,770
584	Stream Channel Stabilization	800 ft.	670	670	1,340

13-13(319) JC

FFY14 FEDERALLY FUNDED SECTION 319 PROJECTS

Title: Spring Branch Subwatershed Action Plan

Purpose: This project developed a watershed-based plan for the Spring Branch watershed that is designed to improve water quality by controlling nonpoint source pollution. Spring Branch (ILPWNC) is an assessed headwater stream and a 3,927 acre sub-watershed of the 17,545 acre Middle Yellow Creek (HUC 070900031304) watershed. The plan is consistent with USEPA watershed-based plan guidance found in Appendix C of the Nonpoint Source Program and Grants Guidelines for States and Territories dated April 12, 2013 (as revised), and the Chicago Metropolitan Agency for Planning’s “Guidance for Developing Watershed Action Plans in Illinois” dated June 2007.

Project Location: Stephenson County

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

Project Reports and Other Informational Materials:

“Spring Branch Watershed Implementation Plan.” 2016. Olson Ecological Solutions LLC.

14-01 (319) JC

Title: Silver Creek Watershed Based Plan

Purpose: This project developed a watershed-based plan for the Silver Creek (ILGM-01) watershed (a 6,766 acre subwatershed of HUC 071200040506), a tributary to the Des Plaines River and located in DuPage and Cook Counties, Illinois. The project was 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 addressed U.S. EPA's nine minimum elements for watershed-based planning. The watershed-based planning process focused on addressing water quality concerns in the watershed and provided a structure for the reduction of nonpoint source pollution.

Project Location: Cook & DuPage Counties

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

Project Reports and Other Informational Materials:

"Silver Creek Watershed-based Plan." July 2016. Silver Creek Watershed Committee & Living Waters Consultants.

14-02 (319) ST

Title: Carpenter Creek Stream Restoration

Purpose: The project stabilized 7,973 linear feet of streambank along Carpenter Creek, a tributary of the Fox River (ILD20), located north of Spring Street in Carpentersville, Illinois. To stabilize both banks (4,973 feet) north of Maple Avenue, a two-stage ditch was installed, the low-flow channel of the two-stage ditch was meandered to mimic natural channel behavior and prevent erosion and channel migration, the channel was widened and a floodplain shelf installed on both banks, and five vane weirs and eight rock riffles were installed to prevent erosion of the streambed. Eight in-line wetlands (1.37 acres) were constructed upstream of the riffles. Both banks (3,000 feet) downstream of Maple Avenue were stabilized with a fifteen foot wide buffer of native vegetation. Eight rain gardens and four informational signs were also installed in the Carpenters Park portion of the project site.

Project Location: Kane County

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

Project Reports and Other Informational Materials:

“Carpenter Creek Stream Restoration.” June 2016. HR Green, Inc.

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	7,973 ft.	499	431	862
657	Wetland Restoration	1.37 ac.	-	164	609
035	Buffer Zone Enhancement / Installation	0.96 ac.	-	17	135
013	Rain Garden	8 no.	-	-	1

14-07(319) SR

Title: Lake Bloomington Paired Watershed Cover Crop Study

Purpose: This project conducted a paired watershed monitoring study to determine the effectiveness of winter cover crops to reduce nitrate loading and total suspended solids (TSS). The study assessed the efficiency of cover crops to sequester fall-applied inorganic nitrogen, residual nitrogen and reduce nitrate leaching and sediment loading to Lake Bloomington (ILRDO). Additionally, this project educated 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.

Project Location: McLean County

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

Project Reports and Other Informational Materials:

“Lake Bloomington Paired Watershed Cover Crop Study.” July 15, 2016. Illinois State University.

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction		
			Sediment (Tons/Yr.)	Phosphorus (Pounds/Yr.)	Nitrogen (Pounds/Yr.)
340	Cover and Green Manure Crop	757 ac.	-	-	12,112

14-10 (319) TS

Title: Candlewick Lake Bioswale Project

Purpose: This project reduced nonpoint source pollution by converting existing dry ditches at selected inlets to Candlewick Lake (ILRPV) into 10,000 square feet of bioswales planted with native vegetation. The bioswales were 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. Also, as recommended by the Beaver Creek plan, an updated and expanded watershed-based plan for the Candlewick Lake portion of HUC 070900060402 was completed in July, 2014.

Project Location: Boone County

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

Project Reports and Other Informational Materials:

“Candlewick Lake Bioswale Project.” July 28, 2016. Olson Ecological Solutions, LLC.

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction		
			Sediment (Tons/Yr.)	Phosphorus (Pounds/Yr.)	Nitrogen (Pounds/Yr.)
814	Bioswale	0.23 ac.	-	98	582

14-11 (319) SR

Title: West Fork Stabilization in Downtown Glenview

Purpose: This project stabilized approximately 1,050 feet of eroding streambank along both sides of a 525 foot segment of the West Fork of the North Branch of the Chicago River (IL_HCCB-05) located in downtown Glenview, Illinois. Streambanks were stabilized using vegetated rock toe, two riffle and pool structures, a cross vane, a 0.85 acre riparian buffer of deep-rooted native vegetation, thirteen native trees, and sixteen native shrubs.

Project Location: Cook County

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

Project Reports and Other Informational Materials:

“West Fork Stabilization in Downtown Glenview – Section 319 Project Report.” July 31, 2016. Village of Glenview.

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	1,050 ft.	42	42	84

Title: Lakes Bloomington & Evergreen Watershed Social Assessment

Purpose: This project implemented a social indicator survey in the watersheds of Lake Bloomington (HUC 0713000402) and Evergreen Lake (HUC 071300040502) in McLean County, Illinois. Base-line data was collected on the values, attitudes, knowledge, and opinions held by the urban residents of the Lake Bloomington (ILRDO) & Evergreen Lake (ILSDA) watersheds regarding water quality and nonpoint source pollution control best management practices (BMPs). The social indicator monitoring program was 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.

Project Location: McLean County

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

Project Reports and Other Informational Materials:

“Your Water - Your Future. A Residential Household Survey to Assess Our Water Future. A Report on the Community Survey.” December 2015. Illinois State University.

Title: Watershed Monitoring Plan & QAPP Development

Purpose: This project developed a water quality monitoring plan and Quality Assurance Project Plan (QAPP) for the Flint Creek (ILDZTS-01) and Spring Creek (ILDTH-01) watersheds. The plan established 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.

Project Location: Lake, Cook, & McHenry Counties

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

Project Reports and Other Informational Materials:

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

“Final Quality Assurance Project Plan.” August 2015. KOT Environmental Consulting, Inc.

14-14 (319) ST

Title: Oakwood Hills Fen Stream Corridor Restoration

Purpose: This project restored 0.7 acres of riparian buffer and stabilized 1,101 feet of eroding streambank on an unnamed tributary of Silver Creek, a tributary of the Fox River (ILD-22). Streambank stabilization techniques included rock vortex weirs, rock riffles, and vegetation. The project site was immediately upstream of the Oakwood Hills Fen Nature Preserve. An educational brochure was also developed to inform the public about nonpoint source pollution and the restoration project.

Project Location: McHenry County

Subgrantee: Village of Oakwood Hills
3020 North Park Drive
Oakwood Hills, Illinois 60013

Project Reports and Other Informational Materials:

“Oakwood Hills Fen Stream Corridor Restoration – Section 319 Project Report.” August 2016. Village of Oakwood Hills.

“Stream Corridor Restoration Oakwood Hills Fen.” (Brochure) August 2016. Village of Oakwood Hills.

BMP Implementation Summary:

BMP Code	BMP Name	Amount	Estimated Load Reduction		
			Sediment (Tons/Yr.)	Phosphorus (Pounds/Yr.)	Nitrogen (Pounds/Yr.)
035	Buffer Zone Enhancement / Installation	0.7 ac.	-	-	-
580	Streambank and Shoreline Protection	1,101 ft.	157	157	315
812	Bio-retention Facility	0.1 ac.	-	9	70

14-17 (319) SR

FFY15 FEDERALLY FUNDED SECTION 319 PROJECTS

Title: Implementation of Watershed Monitoring Plan

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

Project Location: Lake, Cook, & McHenry Counties

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

Project Reports and Other Informational Materials:

"Baseline Water Quality Characteristics Flint and Spring Creek Watersheds, Illinois." July 2016.
KOT Environmental Consulting, Inc.

15-04 (319) ST

ONGOING PROJECTS

FFY13 FEDERALLY FUNDED SECTION 319 PROJECTS (INCREMENTAL FUNDS)

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 12/31/16

Total Project Cost:	\$742,480.00	Cumulative Expenditure:	\$523,133.77
Federal:	\$445,488.00	Federal:	\$310,771.99
State and Local:	\$296,992.00	State and Local:	\$212,361.78

Project Milestone	Completion Date	Completed Yes/No	Comments
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	Yes	
3rd Year Final	09/30/15	Yes	
ANNUAL REPORT			
1st Year Draft	06/15/14	Yes	
1st Year Final	08/15/14	Yes	
2nd Year Draft	06/15/15	Yes	
2nd Year Final	08/15/15	Yes	
Draft Project Report	08/15/16	No	
Final Project Report	12/15/16	No	

Comments:

Project Reports and Other Informational Materials:

FFY14 FEDERALLY FUNDED SECTION 319 PROJECTS (NPS PROGRAM FUNDS)

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

Total Project Cost:	\$121,685.00	Cumulative Expenditure:	\$131,679.65
Federal:	\$73,011.00	Federal:	\$72,511.00
State and Local:	\$48,674.00	State and Local:	\$59,168.65

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

Total Project Cost:	\$644,273.00	Cumulative Expenditure:	\$385,166.18
Federal:	\$389,448.00	Federal:	\$385,166.18
State and Local:	\$254,825.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Job Description	04/01/15	Yes	
Final Job Description	06/01/15	Yes	
List of LUCs	06/01/15	Yes	
First Annual Report	09/01/15	Yes	
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 Owners Association
14A157 Canyon Club Drive
Apple River, Illinois 61001

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

Total Project Cost:	\$73,592.00	Cumulative Expenditure:	\$69,245.30
Federal:	\$42,492.00	Federal:	\$39,384.97
State and Local:	\$31,100.00	State and Local:	\$29,260.33

Project Milestone	Completion Date	Completed Yes/No	Comments
Watershed Resources Inventory	10/31/15	Yes	
Draft Watershed-based Plan	05/30/16	Yes	
Final Watershed-based Plan	08/30/16	No	
Draft Executive Summary	05/30/16	Yes	
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	Yes	
Submit Data	01/31/16	Yes	
Draft Education Strategy	07/31/14	Yes	
Final Education Strategy	08/30/14	Yes	
Education Strategy Implementation	07/31/16	Yes	
Draft Project Report	06/30/16	Yes	
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 03/31/17

Total Project Cost:	\$708,858.00	Cumulative Expenditure:	\$568,586.11
Federal:	\$425,315.00	Federal:	\$295,637.16
State and Local:	\$283,543.00	State and Local:	\$272,948.95

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	01/31/17	No	
Draft Design Specifications	10/31/14	Yes	
Final Design Specifications	01/31/15	Yes	
Conservation Plans, Permits & Agreements	10/31/14	Yes	
Draft Operation & Maintenance Plan	10/31/14	Yes	
Final Operation & Maintenance Plan	01/31/15	Yes	
Design Implementation	11/30/16	No	
Photo Documentation of Implementation	12/31/16	No	
Sign Design	10/31/14	Yes	
Install Sign	06/30/16	Yes	
Draft Final Report	11/30/16	No	
Final Report	01/31/17	No	

Comments:

Project Reports and Other Informational Materials:

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 six (6) sediment basins; 3,500 feet of streambank stabilization; 325 acres of permanent vegetative cover on forested ground adjacent to the lake; the repair and/or construction of four (4) ponds; three grade stabilization structures; 14 water and sediment control basins; 7.2 acres of grassed waterways; and the establishment of 146 acres of cover crops.

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 07/31/17

Total Project Cost:	\$510,000.00	Cumulative Expenditure:	\$204,641.59
Federal:	\$306,000.00	Federal:	\$106,771.74
State and Local:	\$204,000.00	State and Local:	\$97,869.85

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design	07/31/16	No	
Final Design	08/31/16	No	
Complete Installation of BMPs	06/30/17	No	
Photographic Documentation of Construction	07/31/17	No	
Draft Operation & Maintenance Plan	07/31/15	Yes	
Final Operation & Maintenance Plan	08/31/15	Yes	
Draft Education Work Strategy	07/31/14	Yes	
Final Education Work Strategy	09/30/14	Yes	
Implement Education Work Strategy	11/01/15	Yes	
Draft Project Report	06/30/17	No	
Final Project Report	07/31/17	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

Total Project Cost:	\$1,250,000.00	Cumulative Expenditure:	\$969,038.29
Federal:	\$500,000.00	Federal:	\$387,615.32
State and Local:	\$750,000.00	State and Local:	\$581,422.97

Project Milestone	Completion Date	Completed Yes/No	Comments
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	Yes	
Photo Documentation of Implementation	06/30/16	Yes	
Sign Design	12/31/14	Yes	
Install Sign	05/30/16	Yes	
Draft Project Report	06/30/16	Yes	
Final Project Report	07/31/16	No	

Comments:

Project Reports and Other Informational Materials:

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

Total Project Cost:	\$553,142.00	Cumulative Expenditure:	\$305,470.90
Federal:	\$331,885.00	Federal:	\$183,282.55
State and Local:	\$221,257.00	State and Local:	\$122,188.35

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Watershed Resources Inventory	07/01/15	Yes	
Draft Watershed-based Plan	03/01/16	Yes	
Final Watershed-based Plan	10/31/16	No	
Draft Executive Summary	09/01/16	No	
Final Executive Summary	10/31/16	No	
Draft Design Specifications	07/01/15	No	90% complete.
Final Design Specifications	07/21/15	No	
Draft Operation & Maintenance Plan	07/21/15	No	
Final Operation & Maintenance Plan	07/21/15	No	
Design Implementation	11/15/16	No	
Photo Documentation of Implementation	12/15/16	No	
Draft Education Strategy	11/01/14	Yes	
Final Education Strategy	01/01/15	Yes	
Education Strategy Implementation	10/01/16	No	
Draft Project Report	10/31/16	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: 05/28/14 through 12/31/16

Total Project Cost:	\$181,840.00	Cumulative Expenditure:	\$172,527.35
Federal:	\$141,000.00	Federal:	\$131,160.00
State and Local:	\$40,840.00	State and Local:	\$41,367.35

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft QAPPs	08/01/14	Yes	
Final QAPPs		Yes	
QAPP Implementation	12/01/16	No	
Year 1 Data	07/01/15	Yes	
Year 2 Data	07/01/16	No	
Draft Final Report	11/15/16	No	
Final Report	12/31/16	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

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

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Meeting Information	06/01/14	No	
Final Meeting Information	07/01/14	No	
Draft Design Specifications	01/15/15	Yes	
Final Design Specifications	06/01/15	No	
Draft Permits & Agreements	01/15/15	Yes	
Final Permits & Agreements	06/01/15	No	
Draft Operation & Maintenance Plan	01/15/15	Yes	
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	Yes	
Draft Project Report	05/31/16	No	
Final Project Report	07/15/16	No	

Comments:

Project Reports and Other Informational Materials:

FFY15 FEDERALLY FUNDED SECTION 319 PROJECTS (NPS PROGRAM FUNDS)

Title: Total Maximum Daily Load Development

Purpose: The Illinois EPA will develop Stage 1 and, if necessary, Stage 2 Total Maximum Daily Load (TMDL) reports for the pollutants within five (5) selected watersheds. These Stage 1 and Stage 2 reports will later be used to support the development of Total Maximum Daily Loads (TMDLs) and implementation plans for TMDL attainment, plans which will meet the nine minimum elements of a watershed-based plan.

NPS Program: Monitoring/Evaluation

Project Location: Henderson, Warren, Knox, Hancock, McDonough, Schuyler, Brown, Champaign, Piatt, Macon, Douglas, Coles, Moultrie, Shelby, Fayette, & Montgomery Counties.

Waterbody Name (ID): Drowning Fork (IL_DGLC-01), Rock Creek (IL_DGO-01), La Harpe River (IL_DGP, IL_DGP-01), Baptist Creek (IL_DGPC-01), Prairie Creek (IL_DGZN-01), South Branch La Moine River (IL_DGZR), Carthage (IL_RLE), La Moine River (IL_DG-01, IL_DG-04), Missouri Creek (IL_DGD-01), Little Missouri Creek (IL_DGDA-01), Kaskaskia River (IL_O-02, IL_O-15), Beck Creek (IL_OQ-01), Coal Creek (IL_OQCA-01), West Okaw River (IL_OT-02, IL_OT-04), Jonathon Creek (IL_OU-01), Lake Fork (IL_OW-01, IL_OW-02), Asa Creek (IL_OZZT-01), Lou Yaegar Lake (IL_ROM), & Mississippi River (IL_K-22)

Subgrantee: CDM Smith Inc. & Tetra Tech, Inc.

Project Period: 10/15/15 through 12/15/16

Total Project Cost:	\$500,000.00	Cumulative Expenditure:	\$0.00
Federal:	\$500,000.00	Federal:	\$0.00
State and Local:	\$0.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
UPPER LA MOINE RIVER			
Stage 1 Interim Reports			
Introduction & Watershed Characterization	TBD	No	
WQ Standard & Criteria Info & Data Analysis	TBD	No	
Identify Models & Data Needs	TBD	No	
Draft Stage 1 Report	08/15/16	No	
Public Meeting to Present Draft Stage 1 Report	11/15/16	No	
Final Stage 1 Report & Data	12/15/16	No	
Stage 2 QAPP	TBD	No	
Stage 2 Interim Reports	TBD	No	
Stage 2 Initial Sampling Plan & Maps	TBD	No	
Final Stage 2 Report & Data	TBD	No	

Project Milestone	Completion Date	Completed Yes/No	Comments
LA MOINE / MISSOURI CREEK			
Stage 1 Interim Reports			
Introduction & Watershed Characterization	02/08/16	No	
WQ Standard & Criteria Info & Data Analysis	02/08/16	No	
Identify Models & Data Needs	02/08/16	No	
Draft Stage 1 Report	08/15/16	No	
Public Meeting to Present Draft Stage 1 Report	10/15/16	No	
Final Stage 1 Report & Data	12/15/16	No	
Stage 2 QAPP	TBD	No	
Stage 2 Interim Reports	TBD	No	
Stage 2 Initial Sampling Plan & Maps	TBD	No	
Final Stage 2 Report & Data	TBD	No	
UPPER KASKASKIA RIVER / SHELBYVILLE LAKE			
Stage 1 Interim Reports			
Introduction & Watershed Characterization	02/08/16	No	
WQ Standard & Criteria Info & Data Analysis	02/08/16	No	
Identify Models & Data Needs	02/08/16	No	
Draft Stage 1 Report	08/15/16	No	
Public Meeting to Present Draft Stage 1 Report	10/15/16	No	
Final Stage 1 Report & Data	12/15/16	No	
Stage 2 QAPP	TBD	No	
Stage 2 Interim Reports	TBD	No	
Stage 2 Initial Sampling Plan & Maps	TBD	No	
Final Stage 2 Report & Data	TBD	No	
LOU YAEGER LAKE			
Stage 1 Interim Reports			
Introduction & Watershed Characterization	TBD	No	
WQ Standard & Criteria Info & Data Analysis	TBD	No	
Identify Models & Data Needs	TBD	No	
Draft Stage 1 Report	08/15/16	No	
Public Meeting to Present Draft Stage 1 Report	10/15/16	No	
Final Stage 1 Report & Data	12/15/16	No	
Stage 2 QAPP	TBD	No	
Stage 2 Interim Reports	TBD	No	
Stage 2 Initial Sampling Plan & Maps	TBD	No	
Final Stage 2 Report & Data	TBD	No	
MISSISSIPPI RIVER			
Stage 1 Interim Reports			
Introduction & Watershed Characterization	TBD	No	
WQ Standard & Criteria Info & Data Analysis	TBD	No	
Identify Models & Data Needs	TBD	No	
Draft Stage 1 Report	08/15/16	No	
Public Meeting to Present Draft Stage 1 Report	10/15/16	No	
Final Stage 1 Report & Data	12/15/16	No	
Stage 2 QAPP	TBD	No	
Stage 2 Interim Reports	TBD	No	
Stage 2 Initial Sampling Plan & Maps	TBD	No	
Final Stage 2 Report & Data	TBD	No	

Comments:

Project Reports and Other Informational Materials:

Title: Streambank Clean Up & Lakeshore Enhancement (SCALE)

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

NPS Program: Hydrologic Modification

Project Location: Statewide

Waterbody Name (ID): Not Applicable

Subgrantee: Not Applicable

Project Period: 02/01/2016 through 01/31/18

Total Project Cost:	\$80,000.00	Cumulative Expenditure:	\$34,000.00
Federal:	\$80,000.00	Federal:	\$34,000.00
State and Local:	\$0.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Application Submittal	11/30/15	Yes	
Project Selection	03/31/16	Yes	
Final Report	01/31/18	No	

Comments:

Project Reports and Other Informational Materials:

Title: Nonpoint Source Pollution Management Workshop

Purpose: Illinois EPA will host a statewide Biennial Nonpoint Source (NPS) Pollution Management Workshop for Illinois EPA staff and local, state, and federal partners to interact with those groups and individuals that are committed to reducing NPS pollution to Illinois water resources. The biennial workshops will alternate between rural and urban agendas. The 2016 workshop will focus on rural issues and will include components that present information on topics such as development and implementation of watershed-based plans, nutrient reduction, and partner programs. The workshop will also present best management practice (BMP) technologies and application, and the use of water quality and technology-based tools for NPS pollution control. The workshop will be designed to capture stakeholder and partner needs in regard to Illinois' NPS Management Program to be used in the NPS Management Program Feedback Loop.

NPS Program: All Categories

Project Location: Statewide

Waterbody Name (ID): Not Applicable

Subgrantee: Not Applicable

Project Period: 08/01/15 through 04/15/17

Total Project Cost:	\$60,000.00	Cumulative Expenditure:	\$0.00
Federal:	\$60,000.00	Federal:	\$0.00
State and Local:	\$0.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Technical Advisory Committee	03/31/16	No	
Develop Program	06/30/16	No	
Hold Workshop	12/31/16	No	
Draft Project Report	02/15/17	No	
Final Project Report	04/15/17	No	

Comments:

Project Reports and Other Informational Materials:

Title: Waverly Lake Watershed Implementation Plan and “Third-Party” TMDL

Purpose: This project will 1) develop total maximum daily loads (TMDLs) for total phosphorus for Waverly Lake (IL_SDC) and 2) develop a watershed-based plan for the Waverly Lake (IL_SDC) watershed (a portion of HUC 071300110601). The watershed-based plan will be designed to improve water quality by controlling nonpoint source pollution and will be consistent with the USEPA watershed-based plan guidance. The TMDL and watershed-based plan will include a detailed watershed characterization, quantifying point and nonpoint source pollution and identifying site-specific treatment practices. Load reductions will be calculated for recommended best management practices (BMPs) and compared against water quality targets and total loading. The project will specifically identify all in-lake and external sources of nutrients and sediment, and will include a detailed assessment of lakeshore and streambank erosion. A pollutant loading model will be used to target BMPs to the most critical areas and quantify annual loadings of sediment, nitrogen, and phosphorus.

NPS Program: All Sources

Project Location: Morgan County

Waterbody Name (ID): Wood Creek (IL_DBP) & Waverly Lake (IL_SDC)

Subgrantee: City of Waverly
171 North Pearl, P.O. Box 174
Waverly, Illinois 62692

Project Period: 07/16/15 through 07/15/17

Total Project Cost:	\$95,000.00	Cumulative Expenditure:	\$56,500.00
Federal:	\$67,000.00	Federal:	\$39,550.00
State and Local:	\$28,000.00	State and Local:	\$16,950.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Watershed Resources Inventory	06/01/16	Yes	
Final Watershed Resources Inventory	08/01/16	Yes	
Draft Watershed-based Plan & TMDL	10/01/16	Yes	
Public Draft Watershed-based Plan & TMDL	11/15/16	No	
Submit Watershed-based Plan & TMDL to USEPA	02/01/17	Yes	
Final Watershed-based Plan & TMDL	07/01/17	No	
Draft Public Outreach Strategy	08/01/15	Yes	
Final Public Outreach Strategy	09/01/15	Yes	
Draft Executive Summary	10/01/16	Yes	
Final Executive Summary	11/15/16	No	
Self-Assessment of Plan	11/15/16	No	

Comments:

Project Reports and Other Informational Materials:

15-02 (319) TS

Title: Watershed Plan Development for Impaired DuPage County Waterways

Purpose: This project will develop watershed-based plans for five (5) watersheds in DuPage County. The five watersheds include: 1) Kress Creek (ILGBKB-01) watershed (a portion of HUC 071200040802), which is a tributary of the West Branch DuPage River (IL_GBK-05); 2) Klein Creek (ILGBKC-01) watershed (a portion of HUC 071200040802), which is a tributary of the West Branch DuPage River (IL_GBK-05); 3) St. Joseph Creek (ILGBLB-01) watershed (a portion of 071200040804), which is a tributary of the East Branch DuPage River (ILGBL-05); 4) Sawmill Creek/Wards Creek (ILGJ-01) watershed (HUC 071200040704), which is a tributary of the DesPlaines River (ILG-03); and 5) Winfield Creek (IL_GBKF-01) watershed (a portion of 071200040802), which is a tributary of West Branch DuPage River (IL_GBK-05). The watershed-based plans will be designed to improve water quality by controlling nonpoint source pollution and will be consistent with the USEPA watershed-based plan guidance.

NPS Program: All Sources

Project Location: DuPage County

Waterbody Name (ID): Kress Creek (ILGBKB-01), Klein Creek (ILGBKC-01), St. Joseph Creek (ILGBLB-01), Sawmill Creek/Wards Creek (ILGJ-01), & Winfield Creek (IL_GBKF-01)

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

Project Period: 09/09/15 through 07/31/17

Total Project Cost:	\$245,000.00	Cumulative Expenditure:	\$27,517.57
Federal:	\$147,000.00	Federal:	\$16,510.54
State and Local:	\$98,000.00	State and Local:	\$11,007.03

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Watershed Resources Inventories	03/01/16	Yes	
Final Watershed Resources Inventories	05/01/16	Yes	
Draft Watershed-based Plans	05/01/17	No	1 draft plan submitted.
Final Watershed-based Plans	07/15/17	No	
Draft Executive Summaries	05/01/17	No	
Final Executive Summaries	07/15/17	No	
Self-Assessment of Plans	07/31/17	No	

Comments:

Project Reports and Other Informational Materials:

FFY15 FEDERALLY FUNDED SECTION 319 PROJECTS (WATERSHED PROJECT FUNDS)

Title: Lake Mauvaise Terre Pollutant Reduction Initiative & TMDL Implementation

Purpose: This project will construct best management practices (BMPs) to reduce nonpoint source pollution in the Lake Mauvaise Terre (IL_SDL) watershed, located in Morgan County, Illinois. BMPs will include 30 water and sediment control basins (WASCBs), 3 sediment basins, 1 pond, 1 terrace (500 feet), 100 feet of stream channel stabilization using 2 riffle systems, 2 grade stabilization structures, 7.0 acres of grassed waterways, and 2 livestock waste management systems.

NPS Program: Agriculture & Hydrologic Modification

Project Location: Morgan County

Waterbody Name (ID): Mauvaise Terre Lake (IL_SDL) & Mauvaise Terre River (ILDD-02 & ILDD-04)

Subgrantee: City of Jacksonville
200 West Douglas Avenue
Jacksonville, Illinois 62650

Project Period: 08/07/15 through 07/31/17

Total Project Cost:	\$687,275.00	Cumulative Expenditure:	\$172,570.75
Federal:	\$412,365.00	Federal:	\$103,542.45
State and Local:	\$274,910.00	State and Local:	\$69,028.30

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	07/31/16	No	51 projects reviewed.
Final Design Specifications	08/31/16	No	
Draft Operation & Maintenance Plan	07/31/16	Yes	
Final Operation & Maintenance Plan	08/31/16	Yes	32 projects completed.
Design Implementation	06/30/17	No	
Photo Documentation of Implementation	07/31/17	No	
Draft Project Report	06/30/17	No	
Final Project Report	07/31/17	No	

Comments:

Project Reports and Other Informational Materials:

Title: Des Plaines River Watershed BMP Implementation and Planning Program

Purpose: The following watershed-based plans have been completed for sub-watersheds of the Upper and Lower Des Plaines River watershed in Lake County, Illinois: 1) North Mill Creek –Dutch Gap Canal Watershed-Based Plan; 2) Mill Creek Watershed and Flood Mitigation Plan; 3) Indian Creek Watershed Plan; and 4) Bull Creek/Bulls Brook Watershed-Based Plan. Also, the Buffalo Creek Watershed-Based Plan is currently under development for a fifth sub-watershed. This project will implement best management practices (BMPs) in the Mill Creek sub-watershed (2,150 linear feet of bioswales, 7.8 acres of grassed waterways (includes tile repair), 5 grade stabilization structures, 2.6 acres of filter strips, and 34 acres of conservation tillage) and the Bull Creek sub-watershed (250 linear feet of streambank stabilization, 2 check dams, and 810 linear feet of riparian buffer). The aforementioned watershed-based plans will be updated by integrating them under an expanded planning area for the Upper and Lower Des Plaines River (IL_G-36) watershed (HUC 0712000402, 0712000403, and that portion of 0712000405 north of, and including, the confluence of Buffalo Creek) and completing the elements of a watershed-based plan for the entire expanded planning area. Biological and chemical monitoring will also be conducted.

NPS Program: All Sources

Project Location: Lake & Cook Counties

Waterbody Name (ID): Mill Cr. (IL_GW-02), Bull Cr. (IL_GV-01), & Des Plaines R. (IL_G-36)

Subgrantee: Lake County Stormwater Management Commission
500 W. Winchester Road, Suite 201
Libertyville, Illinois 60048

Project Period: 07/28/15 through 07/31/18

Total Project Cost:	\$1,155,724.00	Cumulative Expenditure:	\$0.00
Federal:	\$658,162.00	Federal:	\$0.00
State and Local:	\$497,562.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Watershed Resources Inventory	12/31/17	No	
Draft SWAAP	06/30/17	No	
Final SWAAP	09/30/17	No	
Draft Watershed-based Plan	02/28/18	No	
Final Watershed-based Plan	05/31/18	No	
Draft Executive Summary	02/28/18	No	
Final Executive Summary	05/31/18	No	
Self-Assessment of Plan	02/28/18	No	
Draft Monitoring Strategy	01/31/16	Yes	
Final Monitoring Strategy	03/31/16	Yes	
Complete Monitoring	10/31/17	No	
Submit Monitoring Data to Illinois EPA	12/31/17	No	

Project Milestone	Completion Date	Completed Yes/No	Comments
MUNDELEIN PARK DISTRICT			
Draft Design Specifications	04/30/16	Yes	
Final Design Specifications	06/30/16	Yes	
Permits & Agreements	04/30/16	Yes	
Draft Operation & Maintenance Plan	04/30/16	Yes	
Final Operation & Maintenance Plan	06/30/16	Yes	
Design Implementation	04/30/17	No	
Photo Documentation of Implementation	06/30/17	No	
COLLEGE OF LAKE COUNTY			
Draft Design Specifications	04/30/16	Yes	
Final Design Specifications	06/30/16	Yes	
Permits & Agreements	04/30/16	Yes	
Draft Operation & Maintenance Plan	04/30/16	Yes	
Final Operation & Maintenance Plan	06/30/16	No	
Design Implementation Lots 6 & 7	04/30/17	No	
Design Implementation Lots 2 & 3	08/30/17	No	
Photo Documentation of Implementation	09/30/17	No	
LAKE COUNTY FOREST PRESERVE DISTRICT			
Draft Design Specifications	04/30/16	Yes	
Final Design Specifications	06/30/16	Yes	
Permits & Agreements	04/30/16	No	
Draft Operation & Maintenance Plan	04/30/16	No	
Final Operation & Maintenance Plan	06/30/16	No	
Design Implementation	04/30/17	No	
Photo Documentation of Implementation	06/30/17	No	
Draft Education Strategy	09/30/15	Yes	
Final Education Strategy	11/15/15	Yes	
Complete Implementation of Education Strategy	05/31/18	No	
Project Sign Design	12/31/15	Yes	
Install Project Sign	08/30/17	No	
Draft Project Report	04/30/18	No	
Final Project Report	06/30/18	No	

Comments:

Project Reports and Other Informational Materials:

Title: Cedar Lake BMP Implementation - Gully & Shoreline Stabilization

Purpose: This project will stabilize 7,100 feet of eroding gullies and 12,200 feet of eroding shoreline on Cedar Lake (IL_RNE), an impoundment on Cedar Creek (IL_NA-01) in Jackson County, Illinois. The eroding shoreline will be stabilized through the use of stone riprap off-shore breakwater structures with on-shore revetment where shoreline configuration dictates. The project also includes informational signs, a brochure, tours, and other educational activities.

NPS Program: Hydrologic Modification & Agriculture

Project Location: Jackson County

Waterbody Name (ID): Cedar Lake (IL_RNE) & Cedar Creek (IL_NA-01)

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

Project Period: 08/07/15 through 07/31/17

Total Project Cost:	\$1,257,880.00	Cumulative Expenditure:	\$38,938.32
Federal:	\$750,000.00	Federal:	\$23,284.70
State and Local:	\$507,880.00	State and Local:	\$15,653.62

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	07/31/16	Yes	
Final Design Specifications	08/31/16	No	
Draft Operation & Maintenance Plan	07/31/16	Yes	
Final Operation & Maintenance Plan	08/31/16	Yes	
Design Implementation	06/30/17	No	
Photo Documentation of Implementation	07/31/17	No	
Draft Education Work Strategy	10/31/15	Yes	
Final Education Work Strategy	11/30/15	Yes	
Implement Education Work Strategy	11/01/16	No	
Draft Project Report	06/30/17	No	
Final Project Report	07/31/17	No	

Comments:

Project Reports and Other Informational Materials:

Title: Permeable Paver BMPs - Athletic Recreation Center

Purpose: This project will construct a 2.27 acre (99,000 square feet) permeable pavement parking lot at the Woodridge Park District's new Athletic Recreation Center in Woodridge, Illinois. The permeable pavement parking lot will be constructed over an 18 inch layer of open-graded stone that will serve as the structural base as well as provide temporary storage of runoff. The permeable pavement parking lot will reduce stormwater volume and nonpoint source pollution discharged to the East Branch of the DuPage River (IL_GBL-02), via an unnamed tributary, from the Athletic Recreation Center.

NPS Program: Urban Runoff

Project Location: DuPage County

Waterbody Name (ID): East Branch of the DuPage River (IL_GBL-02)

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

Project Period: 07/14/15 through 07/15/17

Total Project Cost:	\$725,165.00	Cumulative Expenditure:	\$0.00
Federal:	\$362,582.00	Federal:	\$0.00
State and Local:	\$362,583.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	08/01/15	Yes	
Final Design Specifications	09/01/15	Yes	
Draft Permits & Agreements	08/01/15	Yes	
Final Permits & Agreements	09/01/15	Yes	
Draft Operation & Maintenance Plan	08/01/15	Yes	
Final Operation & Maintenance Plan	09/01/15	Yes	
Design Implementation	05/31/17	No	
Photo Documentation of Implementation	07/15/15	No	
Project Sign Design	07/31/15	Yes	
Install Project Sign	08/31/15	Yes	
Draft Project Report	05/31/17	No	
Final Project Report	07/15/17	No	

Comments:

Project Reports and Other Informational Materials:

Title: Crabtree Creek Corridor Stabilization Project

Purpose: This project will stabilize approximately 1,223 feet of eroding streambank and 120 feet of eroding streambed and established a native vegetative buffer (0.45 acres) over two segments of Crabtree Creek, a tributary to the East Branch of the DuPage River (IL_GBL-02), in the Village of Woodridge. At the upstream site, best management practices (BMPs) will include approximately 443 feet of streambank stabilization using stone toe protection, bank re-grading, nine rock points, native riparian vegetation and other measures; 80 feet of stream channel stabilization using three rock riffle grade control structures; and 0.18 acres of native plant buffer. At the downstream site, best management practices (BMPs) will include approximately 780 feet of streambank stabilization using stone toe protection, bank re-grading, rock points, native riparian vegetation, 150 feet of gabion basket and other measures; 40 feet of stream channel stabilization using four rock riffle grade control structures; and 0.27 acres of native plant buffer.

NPS Program: Hydrologic Modification

Project Location: DuPage County

Waterbody Name (ID): East Branch of the DuPage River (IL_GBL-02)

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

Project Period: 07/14/15 through 07/15/17

Total Project Cost:	\$282,736.00	Cumulative Expenditure:	\$0.00
Federal:	\$167,242.00	Federal:	\$0.00
State and Local:	\$115,494.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	08/01/15	Yes	
Final Design Specifications	09/01/15	Yes	
Draft Permits & Agreements	11/01/15	Yes	
Final Permits & Agreements	12/01/15	Yes	
Draft Operation & Maintenance Plan	08/01/15	Yes	
Final Operation & Maintenance Plan	09/01/15	Yes	
Design Implementation	05/31/17	No	
Photo Documentation of Implementation	07/15/17	No	
Project Sign Design	07/31/15	No	
Install Project Sign	08/31/15	No	
Draft Project Report	05/31/17	No	
Final Project Report	07/15/17	No	

Comments:

Project Reports and Other Informational Materials:

Title: Shaw Property – Nippersink Creek Stream Corridor Enhancement

Purpose: This project will implement best management practices recommended in the Nippersink Creek Watershed Plan (2008). The project includes both streambank (800 feet) and stream channel (low-water crossing) stabilization, along with installation of a filter strip (0.4 acres). The project site (approx. 26 acres) will be put into a permanent easement – to be held by The Land Conservancy of McHenry County. The project will also include outreach through Web page news releases on the Nippersink Watershed Association (NWA) site and the Land Conservancy Web site.

NPS Program: Hydrologic Modification & Agriculture

Project Location: McHenry County

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

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

Project Period: 07/16/15 through 07/15/17

Total Project Cost:	\$195,000.00	Cumulative Expenditure:	\$42,944.60
Federal:	\$117,000.00	Federal:	\$12,394.60
State and Local:	\$78,000.00	State and Local:	\$30,600.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Easement Information	09/01/15	Yes	
Draft Easement	10/15/15	Yes	
Executed Easement	02/01/16	Yes	
Draft Design Specifications	09/01/15	Yes	
Final Design Specifications	10/01/15	Yes	
Draft Operation & Maintenance Plan	09/01/15	Yes	
Final Operation & Maintenance Plan	10/01/15	Yes	
Design Implementation	11/01/16	No	
Photo Documentation of Implementation	12/01/16	No	
Draft Project Report	10/15/16	No	
Final Project Report	12/01/16	No	

Comments:

Project Reports and Other Informational Materials:

Title: Making the Nitrogen Fall in Season

Purpose: This project will develop and implement a Nutrient Loss Reduction Strategy (Strategy) that will result in a minimum of 22,000 acres of cropland being treated with post emergence nitrogen application; a minimum of 2,500 acres of cropland being treated with strip-till; and a minimum of 4,000 acres of cropland being treated with cover crops over the course of the project period. Ten (10) side dress tillage bars and two (2) strip-till units will be leased to farmers to be use on tillable cropland acreage in Champaign and Vermilion Counties in Illinois. These leased units will be used to reduce nutrient runoff and nonpoint source pollution contributions discharging into the Upper Salt Fork (IL_BPJG-01) and the Salt Fork of the Vermillion River (IL_BPJ-08) in HUCs 0512010902, 0512010903, and 0512010906. Nutrient management plans will be developed on cropland in which practices have been implemented.

NPS Program: Agriculture

Project Location: Champaign & Vermilion Counties

Waterbody Name (ID): Upper Salt Fork (IL_BPJG-01) & Salt Fork of the Vermillion River (IL_BPJ-08)

Subgrantee: Champaign County SWCD
2110 West Park Court, Suite C
Champaign, Illinois 61821

Project Period: 07/16/15 through 07/31/18

Total Project Cost:	\$1,579,432.00	Cumulative Expenditure:	\$421,970.73
Federal:	\$595,672.00	Federal:	\$201,158.19
State and Local:	\$983,760.00	State and Local:	\$220,812.54

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Nutrient Loss Reduction Strategy	07/31/15	Yes	
Final Nutrient Loss Reduction Strategy	08/31/15	Yes	
7,000 acres of post emergence nitrogen application	07/01/16	Yes	16,228 ac.
2,500 acres of strip-till	07/01/16	Yes	2,800 ac.
4,000 acres of cover crops	07/01/16	No	1,898 ac.
Complete Implementation of Strategy	07/01/18	No	
Annual Report	07/01/16	Yes	
Annual Report	07/01/17	No	
Annual Report	07/01/18	No	
Draft Project Report	06/30/18	No	
Final Project Report	07/31/18	No	

Comments:

Project Reports and Other Informational Materials:

Title: Columbine Boulevard Bioswale

Purpose: This project will convert an existing turf median on Columbine Boulevard in Rockford, Illinois into a 1,300 foot long bioswale (32,500 square feet) to reduce nonpoint source pollution discharged to an unnamed tributary of Madigan Creek, which is a tributary of the Kishwaukee River (IL_PQ-02) in HUC 070900060802. The bioswale will be seeded with native plantings designed to filter, retain, and infiltrate stormwater. The top six inches of existing soil will be removed and replaced with a bioengineered soil to provide additional stormwater storage and facilitate infiltration of water into the underlying soils. A three foot wide stone infiltration trench will also be installed under the redesigned swale.

NPS Program: Urban Runoff

Project Location: Winnebago County

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

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

Project Period: 09/09/15 through 07/15/17

Total Project Cost:	\$104,953.00	Cumulative Expenditure:	\$32,895.72
Federal:	\$52,477.00	Federal:	\$10,967.50
State and Local:	\$52,476.00	State and Local:	\$21,928.22

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	10/31/15	Yes	
Final Design Specifications	12/31/15	Yes	
Draft Permits & Agreements	10/31/15	Yes	
Final Permits & Agreements	12/31/15	Yes	
Draft Operation & Maintenance Plan	10/31/15	Yes	
Final Operation & Maintenance Plan	12/31/15	Yes	
Design Implementation	01/31/17	No	
Photo Documentation of Implementation	07/15/17	No	
Project Sign Design	10/31/15	Yes	
Install Project Sign	03/31/16	No	
Draft Project Report	05/31/17	No	
Final Project Report	07/15/17	No	

Comments:

Project Reports and Other Informational Materials:

FFY16 FEDERALLY FUNDED SECTION 319 PROJECTS (NPS PROGRAM FUNDS)

Title: Total Maximum Daily Load Development

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

NPS Program: Monitoring/Evaluation

Project Location: Statewide

Waterbody Name (ID): Multiple

Subgrantee: TBA

Project Period: 08/01/16 through 07/31/19

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

Project Milestone	Completion Date	Completed Yes/No	Comments
Bonpas Creek Stage 3 Report	TBA	No	
Prairie/Langan Stage 3 Report	TBA	No	
Galena/Sinsinawa River Stage 3 Report	TBA	No	
Horseshoe Lake Stage 3 Report	TBA	No	
Lake Springfield Stage 3 Report	TBA	No	
Little Vermilion River (LaSalle Co.) Stage 3 Report	TBA	No	
Middle Sangamon River Stage 3 Report	TBA	No	
Pecatonica River Stage 3 Report	TBA	No	
Rend Lake Stage 3 Report	TBA	No	
Upper Big Muddy River Stage 3 Report	TBA	No	
Upper LaMoine River Stage 3 Report	TBA	No	
LaMoine/Missouri Creek Stage 3 Report	TBA	No	
Upper Kaskaskia / Shelbyville Lake Stage 3 Report	TBA	No	
Lake Lou Yaeger Stage 3 Report	TBA	No	
Upper Fox/Chain O'Lakes Stage 3 Report	11/19/16	No	
Thorn Creek Stage 3 Report	11/19/16	No	
Chicago River-North Branch Stage 3 Report	11/19/16	No	
Upper Fox/Flint Creek Stage 3 Report	11/19/16	No	
DuPage River/Salt Creek Stage 3 Report	11/19/16	No	

Comments:

Project Reports and Other Informational Materials:

Title: Copperas Creek Watershed Project

Purpose: The project will install streambank stabilization and agricultural best management practices (BMPs) in the Copperas Creek (ILMZA) watershed, a tributary of the Mississippi River (ILM-02). BMPs to be implemented under this project include approximately 3,130 feet of streambank stabilization; 5 acres of filter strips; 6 grade stabilization structures; 3.5 acres of grassed waterways; and 4,600 feet of water and sediment control basins. A public education program (workshops, signs, BMP tour, newsletters, water quality monitoring training events, brochure) will be implemented to explain nonpoint source pollution and promote the project. In partnership with Augustana College, the Rock Island County SWCD will also implement a monitoring program, which will include a water quality component designed to determine the effectiveness of installed BMPs and a social assessment component designed to determine the effectiveness of the project's education and outreach efforts.

NPS Program: Agriculture & Hydrologic Modification

Project Location: Rock Island County

Waterbody Name (ID): Copperas Creek (ILMZA)

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

Project Period: 08/15/16 through 12/31/18

Total Project Cost:	\$399,674.00	Cumulative Expenditure:	\$0.00
Federal:	\$239,805.00	Federal:	\$0.00
State and Local:	\$159,869.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Project Coordination	11/30/18	No	
Draft Design Specifications	05/30/17	No	
Final Design Specifications	06/30/17	No	
Draft Operation & Maintenance Plan	05/30/17	No	
Final Operation & Maintenance Plan	06/30/17	No	
Design Implementation	08/30/18	No	
Photo Documentation of Implementation	09/30/18	No	
Draft Education Strategy	09/15/17	No	
Final Education Strategy	10/15/17	No	
Education Strategy Implementation	09/30/18	No	
Draft Monitoring Strategy	09/15/17	No	
Final Monitoring Strategy	10/15/17	No	
Approved QAPP	02/28/17	No	
Monitoring Strategy Implementation	08/30/18	No	
Monitoring Data	08/30/18	No	
Draft Project Report	08/30/18	No	
Final Project Report	11/30/18	No	

Comments:

Project Reports and Other Informational Materials:

16-01 (319) CD

Title: Upper Cache River Watershed Plan

Purpose: This project will develop a watershed-based plan for the Upper Cache River watershed (HUC 051402060501, 051402060502, 051402060503, & 051402060508). The watershed-based plan will be designed to improve water quality by controlling nonpoint source pollution and will be consistent with the USEPA watershed-based plan guidance.

NPS Program: All Sources

Project Location: Union County

Waterbody Name (ID): Bradshaw Creek (IL_ADP-01), Cache Creek (IL_ADX-01), and Cache River (IL_AD-02)

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

Project Period: 07/31/16 through 07/31/18

Total Project Cost:	\$104,264.00	Cumulative Expenditure:	\$0.00
Federal:	\$62,558.00	Federal:	\$0.00
State and Local:	\$41,706.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Watershed Resources Inventory	04/01/17	No	
Draft Watershed-based Plan	05/01/18	No	
Final Watershed-based Plan	07/31/18	No	
Draft Executive Summary	05/01/18	No	
Final Executive Summary	07/31/18	No	
Self-Assessment of Plan	05/01/18	No	

Comments:

Project Reports and Other Informational Materials:

Title: Illinois Nutrient Loss Reduction Strategy Implementation

Purpose: This project will develop and enact a plan for implementing the Illinois Nutrient Loss Reduction Strategy (NLRs) in priority watersheds. Considerations for technical assistance, watershed planning, monitoring, education/outreach and tracking needs will be made during the development of the Priority Strategy. Considerable consideration will be given to placing Nutrient Coordinators/Planners throughout Illinois to provide educational, informational, and technical assistance to stakeholders to help them better understand and utilize the NLRs, Illinois' Nonpoint Source Management Program (NPS Program), and available cost-share programs for nonpoint source pollution control. Technical assistance will be provided to entities that are either undertaking watershed-based planning initiatives or implementation of Illinois EPA-approved watershed-based plans. The Nutrient Coordinators/Planners will promote and review individual planning and implementation activities for consistency with the goals of the NLRs and the NPS Program. Funding for this project will not be used to implement best management practices (BMPs) but it will be used to help document those BMPs that are implemented or proposed for implementation by others in NLRs nonpoint source priority watersheds. Annual Reports will be developed for each NLRs nonpoint source priority watershed. These Annual Reports will document 1) watershed groups established, 2) watershed-based planning initiated or completed, 3) BMP implementation activities initiated or completed for approved watershed-based plans, and 4) BMP implementation activities initiated or completed that are not covered by an approved watershed-based plan but that address the NLRs.

NPS Program: All Sources

Project Location: Statewide

Waterbody Name (ID): Not Applicable

Subgrantee: TBD

Project Period: TBD through TBD

Total Project Cost:	\$781,154.00	Cumulative Expenditure:	\$0.00
Federal:	\$0.00	Federal:	\$0.00
State and Local:	\$781,154.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Implementation Strategy	TBD	No	
Final Implementation Strategy	TBD	No	
Strategy Implementation	TBD	No	
First Annual Report	TBD	No	
Second Annual Report	TBD	No	
Third Annual Report		No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

16-03 (319) AW

Title: Watershed-Based Plan Development

Purpose: This project will update existing Metropolitan Water Reclamation District of Greater Chicago plans in order to create watershed-based plans for four (4) watersheds in Cook County that meet USEPA's nine minimum elements. The four watersheds include: 1) Little Calumet River South (IL_HB-01) watershed (HUCs 071200030404, 071200030405, 071200030305, 071200030304, 071200030302, and 071200030301); 2) Cal Sag Channel (IL_H-01) watershed (HUCs 071200040702, 071200030401, 071200030402, and 071200030403); 3) Poplar Creek (IL_DTG-03) watershed (HUC 071200061205); and 4) Lower Des Plaines River (IL_G-03) watershed (HUCs 071200040504; that portion of 071200040503 south of, and excluding, the confluence of Buffalo Creek; 071200040505; 071200040506 except for the Silver Creek sub-watershed; 071200040706; 071200040701; and that portion of 071200040706 east of Will County). The watershed-based plans will be designed to improve water quality by controlling nonpoint source pollution and will be consistent with the USEPA watershed-based plan guidance.

NPS Program: All Sources

Project Location: Cook County

Waterbody Name (ID): Little Calumet River South (IL_HB-01), Cal Sag Channel (IL_H-01), Poplar Creek (IL_DTG-03), and Des Plaines River (IL_G-03)

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

Project Period: TBD through TBD

Total Project Cost:	\$435,000.00	Cumulative Expenditure:	\$0.00
Federal:	\$0.00	Federal:	\$0.00
State and Local:	\$435,000.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Watershed Resources Inventories	TBD	No	
Final Watershed Resources Inventories	TBD	No	
Draft Watershed-based Plans	TBD	No	
Final Watershed-based Plans	TBD	No	
Draft Executive Summaries	TBD	No	
Final Executive Summaries	TBD	No	
Self-Assessment of Plans	TBD	No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

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

Purpose: This project will develop nutrient management plans for 3,000 acres of cropland in the Lake Bloomington (IL_RDO) watershed in McLean County, Illinois and will treat those 3,000 acres with spring pre-plant and side-dress nitrogen application instead of fall application over the course of the project period. A monitoring study will be conducted to determine the potential effectiveness of reducing nitrogen loss into Lake Bloomington by reducing fall anhydrous application and increasing spring pre-plant/side dress nitrogen application in the watershed. The monitoring study will be designed to quantify nutrient loss from fall application and document return on investment for custom spring fertilizer application. Field and producer data will be collected from the 3,000 acres participating in the project to document baseline information on current nitrogen application practices; spring and fall soil nitrogen levels; fall corn stalk nitrogen levels; crop yields; N fiscal results (\$/acres); and farmer insights, perceived barriers, degree of satisfaction, and likelihood of continuing spring application after the project period. The project also includes an outreach and education component involving field days, newsletters, brochures, and material on the Mclean County Soil and Water Conservation District (SWCD) website. The outreach and education component will be designed to promote spring pre-plant/side dress nitrogen application to all agricultural producers and landowners throughout the watershed.

NPS Program: Agriculture & Hydrologic Modification

Project Location: McLean County

Waterbody Name (ID): Lake Bloomington (IL_RDO)

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

Project Period: 10/01/16 through 03/31/19

Total Project Cost:	\$161,265.00	Cumulative Expenditure:	\$0.00
Federal:	\$0.00	Federal:	\$0.00
State and Local:	\$161,265.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Nutrient Management Plans	TBD	No	
Final Nutrient Management Plans	TBD	No	
Implement Nutrient Management Plans – Year 1	TBD	No	
Implement Nutrient Management Plans – Year 2	09/30/17	No	
Complete Pre-Sidedress Nitrate Test—Year One	06/30/17	No	
Complete Pre-Sidedress Nitrate Test—Year Two	06/30/18	No	
Complete Corn Stalk Nitrogen Test—Year One	10/31/17	No	
Complete Corn Stalk Nitrogen Test—Year Two	10/31/18	No	
Complete Fall Soil Test—Year One	10/31/17	No	
Complete Fall Soil Test—Year Two	10/30/18	No	
Draft Survey	TBD	No	
Complete Baseline Survey	TBD	No	
Complete Producer Feedback Survey	12/31/18	No	

Project Milestone	Completion Date	Completed Yes/No	Comments
Submit Database	TBD	No	
Complete custom side dress—Year One	07/31/17	No	
Complete custom side dress—Year Two	07/31/18	No	
Field Day— Year One	08/31/17	No	
Field Day—Year Two	08/31/18	No	
Print Brochures	08/31/17	No	
Draft Project Report	02/15/19	No	
Final Project Report	03/31/19	No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

Title: Hickory Creek Green Infrastructure

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

NPS Program: Urban Runoff & Hydrologic Modification

Project Location: Will County

Waterbody Name (ID): Hickory Creek (IL_GG-06 & IL_GG-04)

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

Project Period: TBD through TBD

Total Project Cost:	\$365,145.00	Cumulative Expenditure:	\$0.00
Federal:	\$0.00	Federal:	\$0.00
State and Local:	\$365,145.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	06/01/17	No	
Final Design Specifications	07/01/17	No	
Draft Permits & Agreements	06/01/17	No	
Final Permits & Agreements	07/01/17	No	
Draft Operation & Maintenance Plan	06/01/17	No	
Final Operation & Maintenance Plan	07/01/17	No	
Complete Installation of All BMPs	07/01/18	No	
Photo Documentation of Implementation	07/31/18	No	
Draft Project Report	06/01/18	No	
Final Project Report	07/31/18	No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:
16-06 (319) JC

Title: Galena River Watershed Plan

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

NPS Program: All Sources

Project Location: Jo Daviess County

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

Subgrantee: League of Women Voters of Illinois Education Fund
332 South Michigan Avenue, Suite 525
Chicago, Illinois 60604

Project Period: 10/01/16 through 10/31/18

Total Project Cost:	\$66,100.00	Cumulative Expenditure:	\$0.00
Federal:	\$0.00	Federal:	\$0.00
State and Local:	\$66,100.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Watershed Resource Inventory	03/01/17	No	
Final Watershed Resource Inventory	08/01/17	No	
Draft Watershed-based Plan	06/01/18	No	
Final Watershed-based Plan	09/30/18	No	
Draft Executive Summary	06/01/18	No	
Final Executive Summary	09/30/18	No	
Self-Assessment of Plan	09/30/18	No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

FFY16 FEDERALLY FUNDED SECTION 319 PROJECTS (WATERSHED PROJECT FUNDS)

Title: Woods Creek Streambank Stabilization and Restoration

Purpose: This project will construct a two-stage ditch to stabilize both banks (6,208 linear feet) of a 3,104 linear foot segment of Woods Creek, a tributary of Lake in the Hills (IL_RTZZ), located north of County Line Road in Algonquin, Illinois. The channel will be widened and a floodplain shelf installed on both banks along with a riparian buffer of deep-rooted, native vegetation. Stone toe protection will be installed on sections of the two-stage ditch to provide additional streambank stabilization. Also, eight rock riffle grade control structures will be installed within the two-stage ditch to prevent erosion of the streambed. Four information/educational signs will be strategically placed along the adjacent bike/walking path and pedestrian bridge at the downstream end of the project.

NPS Program: Hydrologic Modification

Project Location: McHenry County

Waterbody Name (ID): Woods Creek & Lake in the Hills (IL_RTZZ)

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

Project Period: 08/15/16 through 07/31/18

Total Project Cost:	\$785,822.00	Cumulative Expenditure:	\$0.00
Federal:	\$471,493.00	Federal:	\$0.00
State and Local:	\$314,329.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	12/01/16	No	
Final Design Specifications	02/01/17	No	
Draft Permits & Agreements	12/01/16	No	
Final Permits & Agreements	02/01/17	No	
Draft Operation & Maintenance Plan	02/01/17	No	
Final Operation & Maintenance Plan	06/01/18	No	
Design Implementation	05/01/18	No	
Photo Documentation of Implementation	06/01/18	No	
Plan for Educational Signs	04/01/18	No	
Install Educational Signs	06/01/18	No	
Project Sign Design	02/01/17	No	
Install Project Sign	05/01/18	No	
Draft Project Report	06/01/18	No	
Final Project Report	07/31/18	No	

Comments:

Project Reports and Other Informational Materials:

Title: Timber Lake South Inlet Project

Purpose: This project will implement best management practices (BMPs) along a small unnamed stream (South Branch South Inlet) to reduce nonpoint source pollution discharged to Timber Lake (IL_RTZQ) in Lake County, Illinois. BMPs will include 1) a 90 foot bioswale (1,080 sq. ft) along East Oakwood Avenue constructed over a 2.5 foot thick course aggregate base and 9 inch thick layer of amended topsoil planted with deep-rooted native vegetation; 2) the stabilization of 148 linear feet of eroding streambank using stone toe protection, channel rock lining, minor slope re-grading, erosion control blanket, and deep-rooted native vegetation; 3) the stabilization of 552 linear feet of stream channel using nineteen (19) rock checks and native vegetation; and 4) the restoration of 0.5 acres of wetland using a containment berm, re-grading, rock outlet, and wetland vegetation. The project also includes an education component involving presentations, watershed group meetings, community group discussions, and site tours.

NPS Program: Urban Runoff & Hydrologic Modification

Project Location: Lake County

Waterbody Name (ID): Timber Lake (IL_RTZQ)

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

Project Period: 08/01/16 through 07/31/18

Total Project Cost:	\$192,243.00	Cumulative Expenditure:	\$0.00
Federal:	\$115,345.00	Federal:	\$0.00
State and Local:	\$76,898.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	09/01/16	No	
Final Design Specifications	11/01/16	No	
Draft Permits & Agreements	09/01/16	No	
Final Permits & Agreements	11/01/16	No	
Draft Operation & Maintenance Plan	02/01/17	No	
Final Operation & Maintenance Plan	06/01/18	No	
Design Implementation	05/01/18	No	
Photo Documentation of Implementation	07/31/18	No	
Draft Education Program	08/01/16	No	
Final Education Program	10/01/16	No	
Education Program Implementation	07/01/18	No	
Draft Project Report	06/01/18	No	
Final Project Report	07/31/18	No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

Title: Nippersink Creek Watershed Plan Implementation

Purpose: This project will construct best management practices (BMP) on six properties located throughout the Nippersink Creek watershed. The Nippersink Headwaters Stream Stabilization - Bahcall Parcel component will stabilize 100 feet of eroding streambank and 2,450 feet of eroding stream channel on an unnamed tributary of Nippersink Creek (IL_DTK-06) through the installation of 44 riffles for grade control and 0.75 acres of critical area planting. The Nippersink Creek - Silver Creek Marsh component will stabilize 2,700 feet of eroding streambank and 2,300 feet of eroding stream channel on an unnamed tributary of Nippersink Creek (IL_DTK-06) through re-grading, native vegetation, and 10 riffles for channel grade control; establish a 22 acre filter strip/riparian buffer of native vegetation; and acquire 150 acres of wetland for long-term protection. The Nippersink Headwaters Stream Stabilization - May Parcel component will stabilize 100 feet of eroding streambank and 1,740 feet of eroding stream channel on an unnamed tributary of Nippersink Creek (IL_DTK-06) through the installation of 30 riffles for grade control and 1 acre of critical area planting. The Wonder Lake -Troy Creek Inlet Stabilization component will stabilize 800 feet of eroding streambank on Troy Creek, a tributary of Wonder Lake (IL_RTZC), and 300 feet of eroding shoreline on Wonder Lake through rip rap and a 0.1 acre buffer of native vegetation. The Nippersink - Wonder Lake Shoreline Stabilization component will stabilize 575 feet of eroding shoreline on Wonder Lake (IL_RTZC) through rip rap and a 0.1 acre buffer of native vegetation. The Wonder Lake Island Stabilization component will stabilize 1,300 feet of eroding shoreline on two small islands on Wonder Lake (IL_RTZC) through rip rap and wetland plantings.

NPS Program: Hydrologic Modification

Project Location: McHenry County

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

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

Project Period: 08/15/16 through 12/31/18

Total Project Cost:	\$1,766,500.00	Cumulative Expenditure:	\$0.00
Federal:	\$847,700.00	Federal:	\$0.00
State and Local:	\$918,800.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
SILVER CREEK MARSH WETLAND ACRES ACQUISITION			
Land Acquisition and Documentation	08/30/18	No	
NIPPERSINK HEADWATERS STREAM STABILIZATION - BAHCALL PARCEL			
Draft Design Specifications	02/28/17	No	
Final Design Specifications	04/30/17	No	
Permits & Landowner Agreements	02/28/17	No	
Draft Operation & Maintenance Plan	02/28/17	No	
Final Operation & Maintenance Plan	04/30/17	No	

Project Milestone	Completion Date	Completed Yes/No	Comments
Design Implementation	08/30/18	No	
Photo Documentation of Implementation	09/30/18	No	
NIPPERSINK CREEK - SILVER CREEK MARSH			
Draft Design Specifications	02/28/17	No	
Final Design Specifications	04/30/17	No	
Permits & Landowner Agreements	02/28/17	No	
Draft Operation & Maintenance Plan	02/28/17	No	
Final Operation & Maintenance Plan	04/30/17	No	
Design Implementation	08/30/18	No	
Photo Documentation of Implementation	09/30/18	No	
NIPPERSINK HEADWATERS STREAM STABILIZATION - MAY PARCEL			
Draft Design Specifications	02/28/17	No	
Final Design Specifications	04/30/17	No	
Permits & Landowner Agreements	02/28/17	No	
Draft Operation & Maintenance Plan	02/28/17	No	
Final Operation & Maintenance Plan	04/30/17	No	
Design Implementation	08/30/18	No	
Photo Documentation of Implementation	09/30/18	No	
Easement Holder, Value, Formula, Process	02/28/17	No	
Draft Easement	05/01/17	No	
Final Easement	07/01/17	No	
WONDER LAKE -TROY CREEK INLET STABILIZATION			
Draft Design Specifications	02/28/17	No	
Final Design Specifications	04/30/17	No	
Permits & Landowner Agreements	02/28/17	No	
Draft Operation & Maintenance Plan	02/28/17	No	
Final Operation & Maintenance Plan	04/30/17	No	
Design Implementation	08/30/18	No	
Photo Documentation of Implementation	09/30/18	No	
NIPPERSINK - WONDER LAKE SHORELINE STABILIZATION			
Draft Design Specifications	02/28/17	No	
Final Design Specifications	04/30/17	No	
Permits & Landowner Agreements	02/28/17	No	
Draft Operation & Maintenance Plan	02/28/17	No	
Final Operation & Maintenance Plan	04/30/17	No	
Design Implementation	08/30/18	No	
Photo Documentation of Implementation	09/30/18	No	
WONDER LAKE ISLAND STABILIZATION			
Draft Design Specifications	02/28/17	No	
Final Design Specifications	04/30/17	No	
Permits & Landowner Agreements	02/28/17	No	
Draft Operation & Maintenance Plan	02/28/17	No	
Final Operation & Maintenance Plan	04/30/17	No	
Design Implementation	08/30/18	No	
Photo Documentation of Implementation	09/30/18	No	
Draft Project Report	08/30/18	No	
Final Project Report	11/30/18	No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

Title: Kinkaid Lake BMP Implementation

Purpose: This project will protect the beneficial uses of Kinkaid Lake (IL_RNC) from the impairments of nonpoint source (NPS) pollution. This project will stabilize 720 feet of shoreline that are in areas of high, moderate, or severe categories of erosion. The project will also stabilize approximately 1,500 feet of gullies in close proximity to the lake.

NPS Program: Agriculture & Hydrologic Modification

Project Location: Jackson County

Waterbody Name (ID): Kinkaid Lake (IL_RNC)

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

Project Period: 08/15/16 through 07/31/18

Total Project Cost:	\$129,725.00	Cumulative Expenditure:	\$0.00
Federal:	\$77,813.00	Federal:	\$0.00
State and Local:	\$51,912.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	01/31/17	No	
Final Design Specifications	03/31/17	No	
Draft Operation & Maintenance Plan	01/31/17	No	
Final Operation & Maintenance Plan	03/31/17	No	
Design Implementation	06/30/18	No	
Photo Documentation of Implementation	07/31/18	No	
Install Project Sign	03/31/17	No	
Draft Project Report	07/01/18	No	
Final Project Report	07/31/18	No	

Comments:

Project Reports and Other Informational Materials:

Title: Otter Lake Watershed Plan and TMDL Implementation

Purpose: This project will update the existing watershed-based plan for the Otter Lake (IL_RDF) watershed (HUC 071300120202) and will also implement best management practices (BMP) to reduce nonpoint source pollution in the Otter Lake watershed. BMPs will include 2,000 linear feet of shoreline stabilization, 100 acres of cover crops (50 acres/year for 2 years), one (1) water and sediment control basin, and six (6) ponds.

NPS Program: Agriculture & Hydrologic Modification

Project Location: Macoupin County

Waterbody Name (ID): Otter Lake (IL_RDF)

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

Project Period: 08/15/16 through 07/31/18

Total Project Cost:	\$300,635.00	Cumulative Expenditure:	\$0.00
Federal:	\$180,381.00	Federal:	\$0.00
State and Local:	\$120,254.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Watershed Resources Inventory	04/01/17	No	
Draft Watershed-based Plan	05/01/18	No	
Final Watershed-based Plan	07/31/18	No	
Draft Executive Summary	05/01/18	No	
Final Executive Summary	07/31/18	No	
Self-Assessment of Plan	05/01/18	No	
Draft Design Specifications	10/01/17	No	
Final Design Specifications	11/01/17	No	
Draft Permits & Agreements	06/01/17	No	
Final Permits & Agreements	07/01/17	No	
Draft Operation & Maintenance Plan	06/01/17	No	
Final Operation & Maintenance Plan	07/01/17	No	
Complete Construction of All BMPs	07/01/18	No	
Photo Documentation of Implementation	07/31/18	No	
Draft Project Report	07/01/18	No	
Final Project Report	07/31/18	No	

Comments:

Project Reports and Other Informational Materials:

Title: Upper Silver Creek BMP Implementation

Purpose: This project will implement best management practices (BMPs) in the Upper Silver Creek (IL_OD-06) watershed (HUC 071402040501, 071402040502, 071402040503, 071402040504, 071402040505, and 071402040506) to reduce nonpoint source pollution, soil erosion, and nutrient and sediment loadings in order to improve water quality. BMPs will include five acres of grassed waterways; ten ponds; 1,500 linear feet of stream channel stabilization; 1,500 linear feet of streambank stabilization; 9,000 feet of terraces; one livestock waste management system; and 15 water and sediment control basins (3,000 feet). The project includes an education and outreach component involving a workshop, tours, cover crop demonstrations, mailings, and flyers. Water quality monitoring (sediment and phosphorus loads, nitrogen, manganese, and dissolved oxygen) will be conducted to assess the effectiveness of agricultural and urban BMPs implemented in the watershed.

NPS Program: Agriculture, Hydrologic Modification, & Monitoring/Evaluation

Project Location: Madison and Macoupin counties

Waterbody Name (ID): Upper Silver Creek (IL_OD-06)

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

Project Period: 08/15/16 through 12/31/18

Total Project Cost:	\$953,519.00	Cumulative Expenditure:	\$0.00
Federal:	\$572,131.00	Federal:	\$0.00
State and Local:	\$381,388.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	05/30/17	No	
Final Design Specifications	06/30/17	No	
Conservation Plans, Permits & Agreements	05/30/17	No	
Draft Operation & Maintenance Plan	05/30/17	No	
Final Operation & Maintenance Plan	06/30/17	No	
Design Implementation	08/30/18	No	
Photo Documentation of Implementation	09/30/18	No	
Draft Education Strategy	09/15/17	No	
Final Education Strategy	10/15/17	No	
Education Strategy Implementation	09/30/18	No	
Draft Monitoring Strategy	09/15/17	No	
Final Monitoring Strategy	10/15/17	No	
Approved QAPP	02/28/17	No	
Monitoring Strategy Implementation	08/30/18	No	
Monitoring Data	08/30/18	No	
Draft Project Report	08/30/18	No	
Final Project Report	11/30/18	No	

Comments:

Project Reports and Other Informational Materials:

16-13 (319) CD

Title: Fetzner Park Riparian Area Restoration

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

NPS Program: Hydrologic Modification

Project Location: McHenry County

Waterbody Name (ID): Woods Creek & Lake in the Hills (IL_RTZZ)

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

Project Period: 08/15/16 through 07/31/18

Total Project Cost:	\$183,550.00	Cumulative Expenditure:	\$0.00
Federal:	\$110,130.00	Federal:	\$0.00
State and Local:	\$73,420.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	12/01/16	No	
Final Design Specifications	02/01/17	No	
Draft Permits & Agreements	12/01/16	No	
Final Permits & Agreements	02/01/17	No	
Draft Operation & Maintenance Plan	02/01/17	No	
Final Operation & Maintenance Plan	06/01/18	No	
Design Implementation	05/01/18	No	
Photo Documentation of Implementation	06/01/18	No	
Plan Education Signs	04/01/18	No	
Install Education Signs	06/01/18	No	
Project Sign Designs	02/01/17	No	
Install Project Signs	05/01/18	No	
Draft Project Report	06/01/18	No	
Final Project Report	07/31/18	No	

Comments:

Project Reports and Other Informational Materials:

Title: Raingarden/Bioswales at Tower Lakes

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

NPS Program: Urban Runoff & Hydrologic Modification

Project Location: Lake County

Waterbody Name (ID): Tower Lake (IL_RTZF)

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

Project Period: 08/01/16 through 07/31/18

Total Project Cost:	\$266,250.00	Cumulative Expenditure:	\$0.00
Federal:	\$159,750.00	Federal:	\$0.00
State and Local:	\$106,500.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	09/01/16	No	
Final Design Specifications	11/01/16	No	
Draft Permits & Agreements	09/01/16	No	
Final Permits & Agreements	11/01/16	No	
Draft Operation & Maintenance Plan	11/01/16	No	
Final Operation & Maintenance Plan	01/01/17	No	
Design Implementation	05/31/18	No	
Photo Documentation of Implementation	07/31/18	No	
Draft Educational Program	10/01/16	No	
Final Educational Program	12/01/16	No	
Educational Program Implementation	07/01/18	No	
Draft Project Report	05/31/18	No	
Final Project Report	07/31/18	No	

Comments:

Project Reports and Other Informational Materials:

Title: Kimball Farms Detention Basin Retrofit Project

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

NPS Program: Urban Runoff & Hydrologic Modification

Project Location: Kane County

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

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

Project Period: 09/01/16 through 09/30/18

Total Project Cost:	\$58,800.00	Cumulative Expenditure:	\$0.00
Federal:	\$35,280.00	Federal:	\$0.00
State and Local:	\$23,520.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Design Specifications	11/01/16	No	
Final Design Specifications	01/01/17	No	
Draft Operation & Maintenance Plan	11/01/16	No	
Final Operation & Maintenance Plan	01/01/17	No	
Draft Permits & Agreements	11/01/16	No	
Final Permits & Agreements	01/01/17	No	
Design Implementation	07/31/18	No	
Photo Documentation of Implementation	09/30/18	No	
Draft Interpretive Signs	11/01/16	No	
Final Interpretive Signs	01/01/17	No	
Install Interpretive Signs	03/01/17	No	
Draft Project Report	06/30/18	No	
Final Project Report	09/30/18	No	

Comments: This grant agreement has not yet been executed.

Project Reports and Other Informational Materials:

Title: Clinton County Livestock Waste Management Project

Purpose: This project will hire an Agricultural Engineer to work with livestock producers in Clinton and Bond counties within the Shoal Creek (IL_OI-08) watershed (HUC 0714020306 & 0714020304) to upgrade waste handling systems and to develop Comprehensive Nutrient Management Plans (CNMP). Any facility that has or requires an NPDES permit will not be eligible for cost-share assistance under this project. Clinton County contains one of the densest livestock populations and the greatest number of dairy farms in Illinois. Multiple segments have livestock as one of the sources for the impairments.

NPS Program: Agriculture

Project Location: Clinton and Bond counties

Waterbody Name (ID): Shoal Creek (IL_OI-08)

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

Project Period: 07/15/16 through 07/31/18

Total Project Cost:	\$1,047,460.00	Cumulative Expenditure:	\$0.00
Federal:	\$628,476.00	Federal:	\$0.00
State and Local:	\$418,984.00	State and Local:	\$0.00

Project Milestone	Completion Date	Completed Yes/No	Comments
Draft Strategy	08/01/16	No	
Final Strategy	09/15/16	No	
Technical Assistance	07/31/18	No	
Pre-construction Review Submittal	11/01/17	No	
Construct All BMPs	06/01/18	No	
Photo Documentation of BMP Construction	07/01/18	No	
Draft Project Report	06/01/18	No	
Final Project Report	07/31/18	No	

Comments:

Project Reports and Other Informational Materials: