



## Nonpoint Source Pollution Control Program Section 319 Annual Report



FY3192212 – The Flagg Creek project in Lisle, IL before and after streambank stabilization. Nutrient and sediment loading in Flagg Creek (tributary to the Des Plaines River) was exacerbated by severe bank erosion near a neighborhood. Utilizing a rock-toe and vegetative protection, the bank was successfully stabilized.

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

September 2025  
WMS-2025NPS-001

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## 1. Introduction

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

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

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

## 2. Assessment of Nonpoint Source Pollution

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

| Potential Cause of Impairment                           | 2010   |      | 2012   |      | 2014   |      | 2016   |      | 2020/2022 |      | 2024  |      |
|---------------------------------------------------------|--------|------|--------|------|--------|------|--------|------|-----------|------|-------|------|
|                                                         | Miles  | %    | Miles  | %    | Miles  | %    | Miles  | %    | Miles     | %    | Miles | %    |
| Oxygen, Dissolved                                       | 3,204  | 18.8 | 3,401  | 19.3 | 3,825  | 21.6 | 4,713  | 26.1 | 2,975     | 16.0 | 2,775 | 30.7 |
| Fecal Coliform                                          | 3,265  | 19.2 | 3,620  | 20.1 | 3,640  | 20.5 | 3,739  | 20.7 | 4,056     | 21.8 | 3,944 | 43.6 |
| Mercury                                                 | 3,066  | 18.0 | 3,223  | 18.4 | 3,265  | 18.4 | 3,277  | 18.1 | 4,328     | 23.3 | 4,438 | 49.1 |
| Polychlorinated biphenyls                               | 2,817  | 16.6 | 2,947  | 16.3 | 2,988  | 16.9 | 3,037  | 16.8 | 3,365     | 18.1 | 3,434 | 38.0 |
| Alteration in stream-side or littoral vegetative covers | 2,181  | 12.8 | 2,348  | 13.4 | 2,557  | 14.4 | 2,808  | 15.6 | 2,006     | 10.8 | 1,706 | 18.9 |
| Phosphorus (Total)                                      | 2,077  | 12.2 | 2,018  | 11.3 | 2,031  | 11.5 | 2,097  | 11.6 | 1,583     | 8.5  | 1,547 | 17.1 |
| Sedimentation/Siltation                                 | 1,911  | 11.2 | 1,896  | 10.8 | 1,853  | 10.5 | 1,809  | 10.0 | 1,106     | 6.0  | 1,025 | 11.3 |
| Loss of instream cover                                  | 704    | 4.1  | 1,331  | 7.1  | 1,595  | 9.0  | 1,712  | 9.5  | 1,331     | 7.2  | 1,212 | 13.4 |
| Total Suspended Solids (TSS)                            | 1,234  | 7.3  | 1,110  | 6.1  | 1,110  | 6.3  | 1,004  | 5.6  | 698       | 3.8  | 692   | 7.6  |
| Changes in Stream Depth and Velocity Patterns           | 658    | 3.9  | 867    | 5.0  | 944    | 5.3  | 912    | 5.1  | 724       | 3.9  | 824   | 9.11 |
| Other flow regime alterations                           | 726    | 4.3  | 707    | 4.0  | 720    | 4.1  | 797    | 4.4  | 743       | 4.0  | -     | -    |
| Manganese                                               | 2,013  | 11.8 | 1,992  | 11.4 | 1,208  | 6.8  | 765    | 4.2  | 166       | 0.9  | 162   | 1.8  |
| Cause Unknown                                           | 1,460  | 8.6  | 625    | 3.5  | 727    | 4.1  | 734    | 4.1  | 2,034     | 10.9 | 2,944 | 32.6 |
| Iron                                                    | 248    | 1.5  | 307    | 1.7  | 344    | 1.9  | 657    | 3.6  | 393       | 2.1  | 824   | 9.1  |
| pH                                                      | 585    | 3.4  | 438    | 2.4  | 493    | 2.8  | 508    | 2.8  | 282       | 1.5  | 287   | 3.2  |
| Chloride                                                | 444    | 2.6  | 422    | 2.3  | 422    | 2.4  | 506    | 2.8  | 125       | 0.7  | 207   | 2.3  |
| Aquatic Algae                                           | 424    | 2.5  | 363    | 2.0  | 383    | 2.2  | 467    | 2.6  | 490       | 2.6  | 597   | 6.6  |
| Bottom Deposits                                         | -      | -    | 157    | 0.9  | 225    | 1.3  | 307    | 1.7  | 0         | 0.0  | -     | -    |
| Atrazine                                                | 280    | 1.6  | 338    | 1.9  | 312    | 1.8  | 214    | 1.2  | 195       | 1.0  | 117   | 1.3  |
| Temperature, water                                      | 47     | 0.3  | 99     | 0.6  | 113    | 0.6  | 186    | 1.0  | 0         | 0.0  | -     | -    |
| Fish-Passage Barrier                                    | 139    | 0.8  | 152    | 0.8  | 161    | 0.9  | 167    | 0.9  | 41        | 0.2  | 48    | 0.5  |
| Aldrin                                                  | 153    | 0.9  | 153    | 0.8  | 153    | 0.9  | 162    | 0.9  | 2,541     | 13.7 | 2,618 | 29.0 |
| Hexachlorobenzene                                       | 148    | 0.9  | 149    | 0.8  | 149    | 0.8  | 156    | 0.9  | -         | -    | -     | -    |
| Aquatic Plants (Macrophytes)                            | 174    | 1.0  | 108    | 0.6  | 139    | 0.8  | 142    | 0.8  | -         | -    | -     | -    |
| Arsenic                                                 | 138    | 0.8  | 134    | 0.7  | 134    | 0.8  | 136    | 0.8  | -         | -    | -     | -    |
| Dioxin (including 2,3,7,8-TCDD)                         | 131    | 0.8  | 131    | 0.7  | 131    | 0.7  | 131    | 0.7  | -         | -    | 168   | 1.9  |
| Methoxychlor                                            | 137    | 0.8  | 132    | 0.7  | 132    | 0.7  | 129    | 0.7  | -         | -    | -     | -    |
| Chlordane                                               | 98     | 0.6  | 99     | 0.6  | 99     | 0.6  | 99     | 0.5  | -         | -    | -     | -    |
| DDT                                                     | 93     | 0.5  | 93     | 0.5  | 93     | 0.5  | 98     | 0.5  | -         | -    | -     | -    |
| Odor                                                    | -      | -    | 87     | 0.5  | 87     | 0.5  | 98     | 0.5  | -         | -    | -     | -    |
| Nickel                                                  | 51     | 0.3  | 52     | 0.3  | 48     | 0.3  | 78     | 0.4  | -         | -    | -     | -    |
| Sulfates                                                | 159    | 0.9  | 131    | 0.7  | 131    | 0.7  | 70     | 0.4  | -         | -    | -     | -    |
| Copper                                                  | 73     | 0.4  | 75     | 0.4  | 59     | 0.3  | 64     | 0.4  | -         | -    | -     | -    |
| Nitrogen, Nitrate                                       | 85     | 0.5  | 86     | 0.5  | 76     | 0.4  | 59     | 0.3  | -         | -    | -     | -    |
| Nitrogen (Total)                                        | -      | -    | -      | -    | -      | -    | -      | -    | -         | -    | -     | -    |
| Endrin                                                  | 65     | 0.4  | 66     | 0.4  | 66     | 0.4  | 58     | 0.3  | -         | -    | -     | -    |
| Total Dissolved Solids                                  | 143    | 0.8  | 35     | 0.2  | 92     | 0.5  | 56     | 0.3  | -         | -    | -     | -    |
| Zinc                                                    | 65     | 0.4  | 55     | 0.3  | 51     | 0.3  | 56     | 0.3  | -         | -    | -     | -    |
| Low flow alterations                                    | 38     | 0.2  | 39     | 0.2  | 39     | 0.2  | 51     | 0.3  | -         | -    | -     | -    |
| Silver                                                  | 52     | 0.3  | 36     | 0.2  | 29     | 0.2  | 46     | 0.3  | -         | -    | -     | -    |
| Ammonia (Total)                                         | 47     | 0.3  | 45     | 0.3  | 45     | 0.3  | 45     | 0.2  | -         | -    | -     | -    |
| Boron                                                   | 36     | 0.2  | 45     | 0.3  | 45     | 0.3  | 45     | 0.2  | -         | -    | -     | -    |
| Barium                                                  | 32     | 0.2  | 33     | 0.2  | 33     | 0.2  | 43     | 0.2  | -         | -    | -     | -    |
| Sludge                                                  | 22     | 0.1  | 32     | 0.2  | 36     | 0.2  | 38     | 0.2  | -         | -    | -     | -    |
| Cadmium                                                 | 27     | 0.2  | 32     | 0.2  | 32     | 0.2  | 35     | 0.2  | -         | -    | -     | -    |
| Turbidity                                               | -      | -    | 32     | 0.2  | 32     | 0.2  | 32     | 0.2  | -         | -    | -     | -    |
| Color                                                   | -      | -    | 12     | 0.1  | 12     | 0.1  | 31     | 0.2  | -         | -    | -     | -    |
| Nonnative Fish, Shellfish, or Zooplankton               | 9      | 0.1  | 25     | 0.1  | 25     | 0.1  | 31     | 0.2  | -         | -    | -     | -    |
| Phenols                                                 | 60     | 0.4  | 31     | 0.2  | 89     | 0.5  | 31     | 0.2  | -         | -    | -     | -    |
| Alterations in wetland habitats                         | -      | -    | -      | -    | 19     | 0.1  | 28     | 0.2  | -         | -    | -     | -    |
| Visible Oil                                             | -      | -    | 19     | 0.1  | 25     | 0.1  | 28     | 0.2  | -         | -    | -     | -    |
| Oil and Grease                                          | 32     | 0.2  | 36     | 0.2  | 13     | 0.1  | 24     | 0.1  | -         | -    | -     | -    |
| Simazine                                                | -      | -    | -      | -    | 23     | 0.1  | 23     | 0.1  | -         | -    | 62    | 0.7  |
| Terbufos                                                | 125    | 0.7  | 126    | 0.7  | 126    | 0.7  | 22     | 0.1  | -         | -    | -     | -    |
| Lindane                                                 | 22     | 0.1  | 22     | 0.1  | 22     | 0.1  | 21     | 0.1  | -         | -    | -     | -    |
| Dieldrin                                                | 20     | 0.1  | 20     | 0.1  | 20     | 0.1  | 17     | 0.1  | -         | -    | 2,858 | 31.6 |
| Chromium (total)                                        | 14     | 0.1  | 14     | 0.1  | 14     | 0.1  | 17     | 0.1  | -         | -    | -     | -    |
| Fluoride                                                | 36     | 0.2  | 35     | 0.2  | 17     | 0.1  | 15     | 0.1  | -         | -    | -     | -    |
| Chlorine                                                | 14     | 0.1  | 14     | 0.1  | 14     | 0.1  | 14     | 0.1  | -         | -    | -     | -    |
| Heptachlor                                              | 13     | 0.1  | 13     | 0.1  | 13     | 0.1  | 13     | 0.1  | -         | -    | 2,763 | 30.6 |
| Debris/Floatables/Trash                                 | -      | -    | -      | -    | -      | -    | 11     | 0.1  | -         | -    | -     | -    |
| Lead                                                    | 6      | 0.0  | 6      | 0.0  | 6      | 0.0  | 11     | 0.1  | -         | -    | -     | -    |
| Petroleum Hydrocarbons                                  | -      | -    | -      | -    | -      | -    | 11     | 0.1  | -         | -    | -     | -    |
| alpha-BHC                                               | 6      | 0.0  | 6      | 0.0  | 6      | 0.0  | 8      | 0.0  | -         | -    | -     | -    |
| Ammonia (Un-ionized)                                    | 8      | 0.0  | 9      | 0.0  | 3      | 0.0  | 6      | 0.0  | -         | -    | -     | -    |
| Ethanol                                                 | -      | -    | 83     | 0.5  | 83     | 0.5  | 6      | 0.0  | -         | -    | -     | -    |
| Fish Kills                                              | 4      | 0.0  | 84     | 0.5  | 84     | 0.5  | 4      | 0.0  | -         | -    | -     | -    |
| Total Assessed                                          | 17,010 |      | 17,476 |      | 17,717 |      | 18,056 |      | 18,508    |      | 9,042 |      |

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

## **2.1 Streams**

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

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

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

## **2.2 Lakes**

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

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

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

|                                           | 2010    |      | 2012    |      | 2014    |      | 2016    |      | 2020/2022 |      | 2024    |       |
|-------------------------------------------|---------|------|---------|------|---------|------|---------|------|-----------|------|---------|-------|
| Potential Cause of Impairment             | Acres   | %    | Acres   | %    | Acres   | %    | Acres   | %    | Acres     | %    | Acres   | %     |
| Phosphorus (Total)                        | 105,580 | 71.2 | 107,150 | 71.5 | 107,648 | 71.6 | 132,003 | 87.2 | 130,147   | 81.6 | 132,455 | 152.3 |
| Total Suspended Solids (TSS)              | 116,889 | 79.0 | 115,663 | 77.2 | 113,330 | 75.6 | 117,388 | 77.5 | 56,539    | 74.2 | 56,539  | 65.0  |
| Mercury                                   | 77,514  | 52.2 | 78,132  | 52.2 | 78,337  | 52.2 | 78,337  | 51.7 | 118,386   | 35.4 | 120,752 | 138.9 |
| Aquatic Algae                             | 104,478 | 70.6 | 104,479 | 69.7 | 75,111  | 50.4 | 40,569  | 26.8 | 19,030    | 18.1 | 19,030  | 21.9  |
| Polychlorinated biphenyls                 | 25,817  | 17.4 | 25,836  | 17.2 | 25,859  | 17.2 | 25,859  | 17.1 | 28,865    | 11.9 | 28,865  | 33.2  |
| Aquatic Plants (Macrophytes)              | 36,897  | 24.6 | 32,783  | 21.9 | 31,134  | 20.6 | 25,353  | 16.7 | 6,789     | 4.9  | 6,789   | 7.8   |
| Oxygen, Dissolved                         | 7,314   | 4.9  | 5,570   | 3.7  | 6,575   | 4.4  | 12,495  | 8.3  | 7,777     | 4.3  | 7,777   | 8.9   |
| Cause Unknown                             | 9,765   | 6.6  | 8,910   | 5.9  | 9,669   | 6.5  | 10,029  | 6.6  | 6,747     | 4.2  | 6,740   | 7.8   |
| Chlordane                                 | 4,820   | 3.2  | 4,820   | 3.2  | 4,820   | 3.2  | 4,820   | 3.2  | 4,220     | 2.6  | 4,220   | 4.9   |
| Sedimentation/Siltation                   | 6,401   | 4.3  | 4,511   | 3.0  | 4,511   | 3.0  | 4,450   | 2.9  | 4,246     | 1.0  | 4,246   | 4.9   |
| Silver                                    | 4,194   | 2.8  | 4,194   | 2.8  | 4,194   | 2.8  | 4,194   | 2.8  | 4,194     | 2.7  | 4,194   | 7.8   |
| Aldrin                                    | 3,345   | 2.2  | 3,345   | 2.2  | 3,345   | 2.2  | 3,345   | 2.2  | 19,942    | 12.5 | 23,725  | 27.3  |
| Nitrogen, Nitrate                         | 807     | 0.5  | 172     | 0.1  | -       | -    | 3,072   | 2.0  | 3,072     | 1.9  | -       | -     |
| Nitrogen (Total)                          | -       | -    | -       | -    | -       | -    | -       | -    | -         | 1.9  | -       | -     |
| pH                                        | 3,233   | 2.2  | 2,017   | 1.3  | 2,017   | 1.3  | 2,946   | 1.9  | 1,597     | 1.0  | 2,876   | 3.3   |
| Turbidity                                 | 4,568   | 3.1  | 4,660   | 3.1  | 4,695   | 3.1  | 1,531   | 1.0  | 1,531     | 0.8  | 1,531   | 1.8   |
| Manganese                                 | 58,871  | 39.8 | 59,588  | 39.8 | 1,168   | 0.8  | 1,168   | 0.8  | 1,251     | 0.0  | 1,093   | 1.2   |
| Terbufos                                  | -       | -    | -       | -    | -       | -    | 929     | 0.6  | 0         | 0.8  | -       | -     |
| Fecal Coliform                            | 722     | 0.4  | 722     | 0.5  | 722     | 0.4  | 722     | 0.5  | 1,312     | 0.8  | 1,311   | 1.5   |
| Total Dissolved Solids                    | 250     | 0.2  | 635     | 0.4  | 635     | 0.4  | 657     | 0.4  | 22        | 0.4  | -       | -     |
| Nonnative Fish, Shellfish, or Zooplankton | 634     | 0.4  | 634     | 0.4  | 634     | 0.4  | 634     | 0.4  | 634       | 2.1  | 634     | 0.7   |
| Cadmium                                   | 524     | 0.4  | 524     | 0.3  | 524     | 0.3  | 524     | 0.3  | 524       | 0.3  | 524     | 0.6   |
| Endrin                                    | 524     | 0.4  | 524     | 0.3  | 524     | 0.3  | 524     | 0.3  | 19,921    | 12.5 | 19,921  | 22.9  |
| Zinc                                      | 524     | 0.4  | 524     | 0.3  | 524     | 0.3  | 524     | 0.3  | 524       | 0.3  | 524     | 0.6   |
| Atrazine                                  | 3,755   | 2.5  | 3,192   | 2.1  | 4,272   | 2.8  | 497     | 0.3  | 3,277     | 0.2  | 6,369   | 7.3   |
| Nickel                                    | 325     | 0.2  | 325     | 0.2  | 325     | 0.2  | 325     | 0.2  | 325       | 0.1  | 325     | 0.4   |
| Color                                     | -       | -    | 525     | 0.4  | 310     | 0.2  | 310     | 0.2  | 35        | 0.1  | -       | -     |
| Fluoride                                  | -       | -    | -       | -    | 172     | 0.1  | 172     | 0.1  | 172       | 0.1  | 172     | 0.2   |
| Hexachlorobenzene                         | -       | -    | -       | -    | 172     | 0.1  | 172     | 0.1  | 172       | 0.0  | 172     | 0.2   |
| Odor                                      | -       | -    | -       | -    | 35      | 0.0  | 75      | 0.0  | 35        | 0.0  | -       | -     |
| Simazine                                  | -       | -    | 74      | 0.0  | 1,554   | 1.0  | 75      | 0.0  | 1,222     | 0.0  | 1,042   | 1.2   |
| Non-Native Aquatic Plants                 | 634     | 0.4  | 62      | 0.0  | 62      | 0.0  | 62      | 0.0  | 86        | 0.0  | 86      | 0.1   |
| Debris/Floatables/Trash                   | -       | -    | -       | -    | 35      | 0.0  | 35      | 0.0  | 35        | 0.0  | -       | -     |
| Copper                                    | -       | -    | -       | -    | -       | -    | 4       | 0.0  | 0         | 81.6 | -       | -     |
| Total Assessed                            | 148,014 |      | 149,792 |      | 149,849 |      | 151,435 |      | 159,510   |      | 86,945  |       |

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

## 2.3 Lake Michigan

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

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

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

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

## 2.4 Wetlands

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

**Table 2.3. Wetlands in Illinois**

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

## 2.5 Ground Water

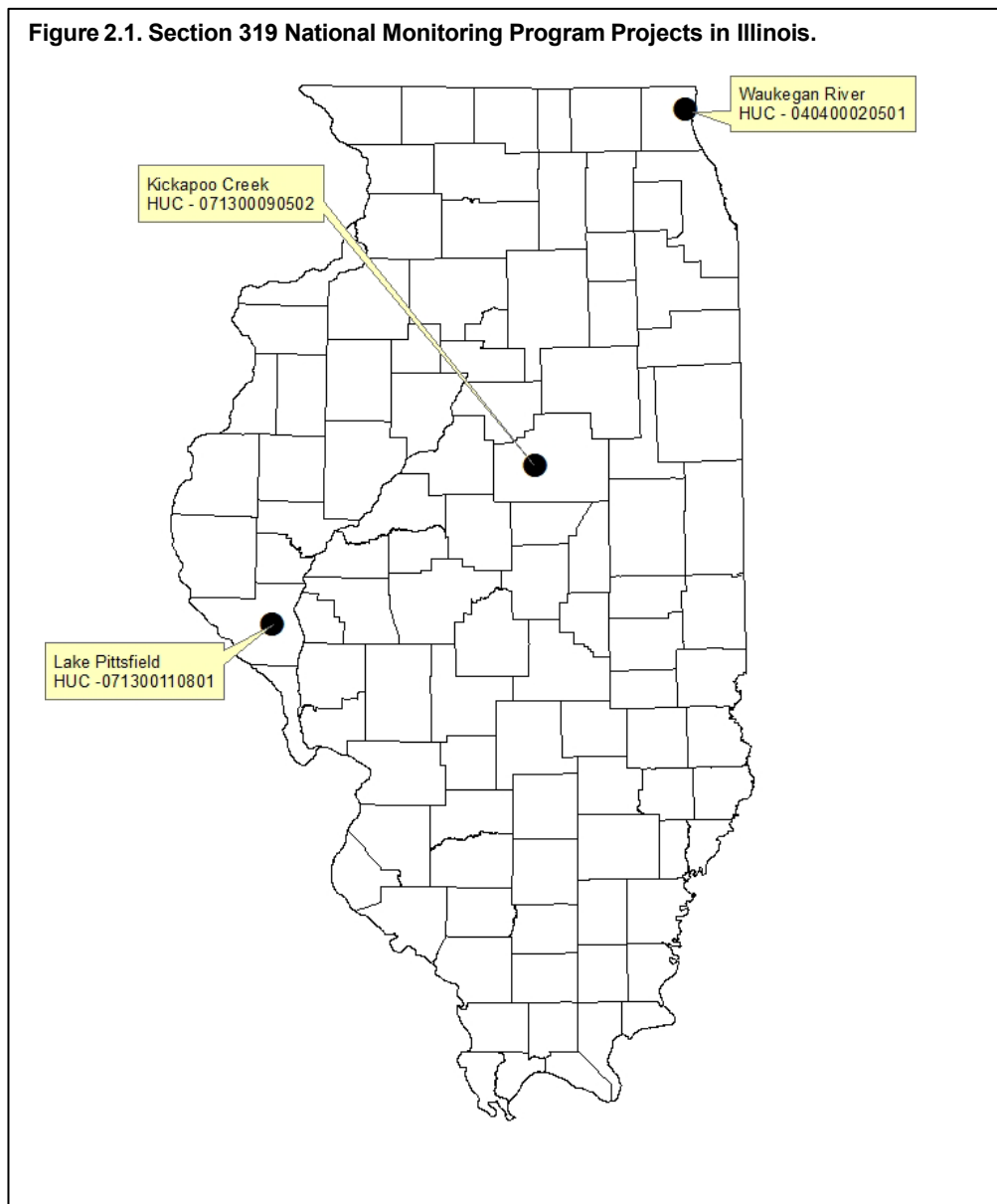
To assess ground water quality, the Illinois EPA operates a probabilistic network of community water supply wells consisting of 364 fixed locations. The last groundwater report in the Integrated Report was in reporting cycle 2016. At that time, 146 wells within this network were rated as Fully Supporting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

**Table 2.4. Use Support in Community Water Supply Wells.**

|                           | 2006   |    | 2008   |    | 2010   |    | 2012   |    | 2014   |    | 2016   |    |
|---------------------------|--------|----|--------|----|--------|----|--------|----|--------|----|--------|----|
|                           | Number | %  | Number | %  | Number | %  | Number | %  | Number | %  | Number | %  |
| Fully Supporting ("good") | 31     | 89 | 26     | 74 | 23     | 66 | 23     | 66 | 27     | 76 | 14     | 40 |
| Not Supporting ("fair")   |        | 9  |        | 23 |        | 25 |        | 25 |        | 12 | 16     | 44 |
| Not Supporting ("poor")   |        | 1  |        | 2  |        | 7  |        | 7  |        | 10 |        | 15 |
| Total Assessed            | 35     |    | 35     |    | 35     |    | 35     |    | 35     |    | 36     |    |

## 2.6 National Monitoring Program

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



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

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

### 3. Illinois Nonpoint Source Management Program

The Illinois EPA's Illinois Nonpoint Source Management Program (Program) report was completed in 1989 in response to Section 319 of the 1987 Clean Water Act (CWA). In 1994, the Program report was completely revised and updated. In 1997, the Illinois EPA initiated 1) a self- assessment of the Program report utilizing U.S. EPA's suggested outline (Nine Key Elements) and 2) a revision of the Program report to satisfy the requirements of U.S. EPA's 1997 Nonpoint Source Program and Grant's Guidance. In 1999, the Illinois EPA completed its revisions and received USEPA approval of the Program report for upgraded status. In 2000, U.S. EPA approved Illinois' Nonpoint Source Management Program for Enhanced Benefits Status. In 2010, the Illinois EPA initiated a comprehensive update of the Program and submitted a draft to U.S. EPA in August 2011. In 2013, the Illinois EPA completed its revisions and received U.S. EPA approval of the updated [\*Illinois' Nonpoint Source Management Program\*](#) (Program) report. In 2019, Illinois EPA updated the Program milestones and started its next update to the Program. US EPA provided new guidance to the states and Illinois EPA plans to submit the draft update by November 20, 2025.

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

The mission of the Program is to:

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

The long-term goals of the Program are:

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

### **3.1 Environmental Justice**

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

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

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

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

### **3.2 Climate Change**

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

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

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

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

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

## 4 Implementation of Illinois' Nonpoint Source Management Program

### 4.1 Program Objectives and Milestones

The 2013 Program included short- and medium-term goals and corresponding milestones. These goals were updated in 2025. These short- and medium-term goals, together with their milestones and an implementation schedule, are identified in Table 4.1. Table 4.1 also includes an informal “gap analysis” designed to report progress made toward accomplishing the goals and milestones as scheduled and to suggest any Program modifications that might be necessary.

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

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | STATUS                                                                                                                                                                                                                             | CITATION/DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ENVIRONMENTAL BENEFITS - |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                            |
| A1                       | The percent of assessed stream miles in Illinois impaired by NPS pollution in 2016 (60.6%) will decrease to 57.5% in 2029.                                                                                                                                                                                                                                                                                                                                                                                               | Ongoing                                                                                                                                                                                                                            | Continue to work with Surface water section to ensure this goal is met                                                                                                                                                                                                                                                                                                                                                     |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                            |
| A2                       | The percent of assessed lake acres in Illinois impaired by NPS pollution in 2016 (98.2%) will decrease to 97.2% in 2029.                                                                                                                                                                                                                                                                                                                                                                                                 | Ongoing                                                                                                                                                                                                                            | Continue to work with Surface water section to ensure this goal is met                                                                                                                                                                                                                                                                                                                                                     |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                            |
| A3                       | Each Federal fiscal year from 2025 through 2029, Illinois EPA will achieve an additional annual load reduction in <u>sediment</u> of 10,000 tons/year (as estimated with approved U.S. EPA models) discharged to water resources through the installation of new NPS pollution control BMPs implemented with funding under Section 319 (or with approved match sources) and completed during that particular Federal fiscal year. <i>This objective corresponds to National Water Program Guidance Measure WQ- 09c.</i>  | Not met FY18 and FY21 – Illinois EPA needs to capture load reduction data from State partner agencies to confirm that this goal has indeed been met. Rising construction costs led to higher cost/ton reductions.                  | BMPs implemented by the following FFY workplans resulted in the following annual sediment load reductions.<br>FFY 2014 – 15,876 tons/year<br>FFY 2015 – 13,211 tons/year<br>FFY 2016 – 17,750 tons/year<br>FFY 2017 – 14,361 tons/year<br>FFY 2018 – 8,351 tons/year<br>FFY 2019 – 10,118 tons/year<br>FFY 2020 – 3,042 tons/year<br>FFY 2021 – 5,582 tons/year<br>FFY 2022 – TBD<br>FFY 2023 – TBD                        |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                            |
| A4                       | Each Federal fiscal year from 2025 through 2029, Illinois EPA will achieve an additional annual load reduction in <u>total suspended solids</u> of 50,000 pounds/year (as estimated with approved U.S. EPA models) discharged to water resources through the installation of new NPS pollution control BMPs implemented with funding under Section 319 (or with approved match sources) and completed during that particular Federal fiscal year.                                                                        | Met                                                                                                                                                                                                                                | BMPs implemented by the following FFY workplans resulted in the following annual TSS load reductions.<br>FFY 2014 – 57,500 pounds/year<br>FFY 2015 – 1,312,316 pounds/year<br>FFY 2016 – 249,556 pounds/year<br>FFY 2017 – 574,253 pounds/year<br>FFY 2018 – 79,808 pounds/year<br>FFY 2019 – 495,564 pounds/year<br>FFY 2020 – 83,167 pounds/year<br>FFY 2021 – 3,752,979 pounds/year<br>FFY 2022 – TBD<br>FFY 2023 – TBD |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                            |
| A5                       | Each Federal fiscal year from 2025 through 2029, Illinois EPA will achieve an additional annual load reduction in <u>nitrogen</u> of 20,000 pounds/year (as estimated with approved U.S. EPA models) discharged to water resources through the installation of new NPS pollution control BMPs implemented with funding under Section 319 (or with approved match sources) and completed during that particular Federal fiscal year. <i>This objective corresponds to National Water Program Guidance Measure WQ- 09a</i> | Not met FY19, FY20 and FY 21 not met – Illinois EPA needs to capture load reduction data from State partner agencies to confirm that this goal has indeed been met. Rising construction costs led to higher cost/pound reductions. | BMPs implemented by the following FFY workplans resulted in the following annual nitrogen load reductions.<br>FFY 2014 – 39,862 pounds/year<br>FFY 2015 – 42,710 pounds/year<br>FFY 2016 – 55,715 pounds/year<br>FFY 2017 – 32,491 pounds/year<br>FFY 2018 – 66,937 pounds/year<br>FFY 2019 – 17,303 pounds/year<br>FFY 2020 – 17,990 pounds/year<br>FFY 2021 – 7,096 pounds/year<br>FFY 2022 – TBD<br>FFY 2023 – TBD      |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                            |

A6

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Each Federal fiscal year from 2025 through 2029, Illinois EPA will achieve an annual load reduction in <u>phosphorous</u> of 10,000 pounds/year (as estimated with approved U.S. EPA models) discharged to water resources through the installation of new nonpoint source pollution control best management practices implemented with funding under Section 319 (or with approved match sources) and completed during that particular Federal fiscal year. <i>This objective corresponds to National Water Program Guidance Measure WQ-09b.</i> | Not met - FY22 BMP implementation still underway and Illinois EPA needs to capture load reduction data from State partner agencies to confirm that this goal has indeed been met. Rising construction costs led to higher cost/ton reductions | BMPs implemented by the following FFYs resulted in the following annual phosphorus load reductions. FFY 2014 – 17,559 pounds/year<br>FFY 2015 – 17,822 pounds/year<br>FFY 2016 – 20,294 pounds/year<br>FFY 2017 – 15,325 pounds/year<br>FFY 2018 – 14,634 pounds/year<br>FFY 2019 – 10,425 pounds/year<br>FFY 2020 – 2,627 pounds/year<br>FFY 2021 – 6,673 pounds/year<br>FFY 2022 - |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

B1

|                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The Program will investigate options to replace RMMS as the software is no longer supported, the information formerly input into RMMS will be updated quarterly and information added to track present and historical BMP implementation (date, type, location, effectiveness, etc.) by state and federal agencies. | Ongoing, but behind schedule – Illinois EPA is working with the University of Illinois to remaster RMMS to fit the current ERSI structure. If conditions do not improve, other options must be considered. | BMPs implemented under Section 319 and IGIG are tracked through RMMS. Illinois EPA worked with other agencies to promote the use of RMMS to track BMPs implemented under other programs. Illinois Department of Agriculture's SSRP, CPP, and WDP have been added to RMMS. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

B2

|                                                                                                                                                                                                                                                                                                                                                                                                  |     |                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------------------------------------------|
| 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 2026. Update of the Illinois EPA's Assessment of Nonpoint Source Impacts on Illinois Water Resources (Assessment) will be achieved through the biennial Illinois Integrated Water Quality Report required by Section 305(b) and 303(d) of the CWA. | Met | Integrated Report was combined for years 2020 and 2022 into the 2020/2022 report. The 2024 Report was recently finalized. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------------------------------------------|

B3

|                                                                                                                                                                                                                                                                                                                                                                                            |         |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--|
| Six (6) NPS causes of impairment will be eliminated from 303(d)-listed waterbodies during 2025 through 2029 by restoration actions so that the waterbody either fully supports the use or meets the water quality criterion for that particular pollutant or stressor for which it had been impaired. <i>This objective corresponds to National Water Program Guidance Measure WQ-10a.</i> | Ongoing |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--|

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B4 | Illinois EPA will work with Federal partners to align NPS pollution control programs and determine deficiencies.                                                                                                                                                                                                                                                                                                                                                        | Ongoing | Illinois EPA will provide full update to the Program following receipt of new federal guidance.                                                                                                                                                                                                                                                                                                                                                                      |
|    | Annually submit a success story or success story update to U.S. EPA Region V for consideration. <i>This objective corresponds to National Water Program Guidance Measure WQ-10a.</i>                                                                                                                                                                                                                                                                                    | Met     | The Program recently submitted 12 success stories which are currently at USEPA HQ under review.                                                                                                                                                                                                                                                                                                                                                                      |
| B5 | Satisfy all conditions explained in the 2016 findings document and receive full approval from NOAA and U.S. EPA by 2020 of Illinois' Coastal Nonpoint Pollution Control Program, developed under the Coastal Zone Act Reauthorization Amendments of 1990 (CZARA), and continue program implementation.                                                                                                                                                                  | Met     | The Illinois' Coastal Nonpoint Pollution Control Program was approved by NOAA and U.S. EPA in 2022.                                                                                                                                                                                                                                                                                                                                                                  |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| B6 | Annually the Illinois EPA will issue a request for proposals soliciting applications for Section 319(h) funding for projects that prevent, eliminate, or reduce water quality impairments by NPS pollution.                                                                                                                                                                                                                                                             | Met     | During the following Section 319 grant cycles Illinois received.<br>FFY15 – 33 apps. for \$10 million. FFY16 – 45 apps for \$7.7 million. FFY17 – 37 apps for \$12 million. FFY18 – 28 apps for \$9 million. FFY19 – 28 apps for \$9 million. FFY20 – 27 apps for \$8.8 million. FFY21 – 28 apps for \$11.3 million. FFY22 – 32 apps for \$10.9 million. FFY23 – 24 apps for \$10.2 million. FFY24 – 43 apps for \$21.4 million. FFY25 – 31 apps for \$27.7 million. |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| B7 | Each year during 2025 through 2029, Illinois EPA will utilize approximately \$1.5 million of state funds (received from repayment of loans issued under the Water Pollution Control Loan Program) for TMDL development and grant awards issued under its Section 319(h) – Nonpoint Source Pollution Control Financial Assistance Program and as match for federal funds received under Section 319 of the Clean Water Act.                                              | Ongoing | Due to turnover in Fiscal and Watershed Management Section staffing, the TMDL RFPs have been delayed. The funds committed by Illinois EPA will be invested in the upcoming TMDL development.                                                                                                                                                                                                                                                                         |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| B8 | As loan applications allow, each year during 2025 through 2029, at least 5% of the capitalization grants received from U.S. EPA for Illinois' Water Pollution Control Loan Program will be set-aside to finance "Section 319 type projects" (i.e., NPS projects that implement <i>Illinois' Nonpoint Source Management Program</i> . BMP implementation data (date, type, location, pollutant load reduction, cost, etc.) for these projects will be entered into RMMS. | Ongoing | Loan awards have been made, awaiting construction to occur before data can be entered into RMMS.                                                                                                                                                                                                                                                                                                                                                                     |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| B9 | <b>NUTRIENTS-Provide programs and initiatives for the development of nutrient reductions in the state to address water quality protection.</b>                                                                                                                                                                                                                                                                                                                          |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                     |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C1 | Per Illinois' <a href="#">Long-term Vision for Assessment, Restoration, and Protection Under the CWA Section 303(d) Program</a> Illinois EPA will develop TMDLs or TMDL alternatives (i.e., WBP) for all 303d listed nutrient pollutants (total phosphorus, total nitrogen, dissolved oxygen, and fecal coliform bacteria) in eight – 10 digit HUC watersheds (0709000501, 0709000503, 0512010901, 0512010902, 0512011206, 0512011211, 0512011401, 0512011402) by the year 2022. |  | Upper Rock River - 0709000501<br>Beach Creek - 0709000503 Big<br>Four Ditch - 0512010901 Saline<br>Branch - 0512010902 Cassel Creek<br>–0512011206 and<br>0512011211<br>East Br. Green Creek -0512011401 Salt<br>Creek - 0512011402 |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|    |                                                                                                                                                                                                                                                                                                                                                              |         |                                                                                                            |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------|
| C2 | Per the <a href="#">Illinois Nutrient Loss Reduction Strategy</a> , Illinois EPA will implement the Nutrient Assessment Reduction Plan (NARP) Program to help address nutrient loads from major point source dischargers. NARP includes a watershed component to encourage NPS pollution control.                                                            | Not Met | Ongoing                                                                                                    |
| C3 | Illinois EPA will provide support, through Section 319 grant opportunities, monitoring assistance, and technical advisory assistance for NRCS targeted watershed programs (i.e., MRBI, NWQI, RCPP). Annually Illinois EPA will provide monitoring, laboratory analysis, and technical assistance in at least one designated NRCS targeted watershed program. | Met     |                                                                                                            |
| C4 | By the year 2029, at least 25% of the “Nonpoint Sources - Nitrate Priority Watersheds for Nutrient Loss Reduction” and 50% of the “Nonpoint Sources – Phosphorus Priority Watersheds for Nutrient Loss Reduction” will be covered by a current (2010 or later) watershed- based plan.                                                                        | Ongoing | Watershed-based plans have been approved for the Mill Creek and portions of the Embarras River watersheds. |
| C5 | Per the <a href="#">Illinois Nutrient Loss Reduction Strategy</a> , the total nitrogen load to the Mississippi River Basin from NPS in Illinois in the year 2011 (448,700,000 pounds/year, which is 84% of all TN loadings) will decrease 15%(67,305,000 pounds/year) by the year 2029.                                                                      | Ongoing | Met                                                                                                        |
| C6 | Per the <a href="#">Illinois Nutrient Loss Reduction Strategy</a> , the total phosphorus load to the Mississippi River Basin from NPS in Illinois in the year 2011 (19,400,000 pounds/year - which is 52% of all TP loadings) will decrease 25%(4,850,000 pounds/year) by the year 2029.                                                                     | Ongoing |                                                                                                            |
| C7 | The percent of assessed stream miles in Illinois impaired by low dissolved oxygen in 2016 (26.1%) will decrease to 20% in 2029.                                                                                                                                                                                                                              | Met     | See 2020/2022 Integrated Report                                                                            |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                        |         |                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | The percent of assessed stream miles in Illinois impaired by fecal coliform in 2016 (20.7%) will decrease to 18% in 2029.                                                                                                                                                                              | Not Met | See 2020/2022 Integrated Report                                                                                                                                                                                                                                                                |
| C9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Support two Watershed Coordinators in Nutrient Priority Watersheds to assist and coordinate watershed planning and implementation and build watershed group capacity.                                                                                                                                  | Met     |                                                                                                                                                                                                                                                                                                |
| C10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | An update of the <a href="#">Illinois Nutrient Loss Reduction Strategy</a> will be completed in the year 2025, 2027, and 2029.                                                                                                                                                                         | Met     | The NLRs report was updated in 2017, 2019, 2021, and 2023                                                                                                                                                                                                                                      |
| <b>GROUNDWATER-Create projects and programs to increase the number of groundwater wells sampled; to educate and inform the public about the various ways in which NPS pollution problems in shallow, rural wells and in groundwater can be reduced; that increase the number of investigations, which assist in the identification of alternative best management practices that help minimize surface runoff and leaching of pesticides.</b>                                                   |                                                                                                                                                                                                                                                                                                        |         |                                                                                                                                                                                                                                                                                                |
| D1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Report on the progress of the Groundwater NPS Program for NPS Source Impacts to Groundwater in the ICCG Biennial Report.                                                                                                                                                                               | Not Met |                                                                                                                                                                                                                                                                                                |
| D2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Training and BMP implementation will be used to foster road salt application BMPs and training to prevent and reduce chloride contamination trends in Priority Regional Groundwater Protection Planning Areas and in designated Class III: Special Resource Groundwater Areas. (Groundwater Section)   | Met     | Illinois EPA provided 319 grant award to The Conservation Foundation to develop the "Salt Smart Certified – Parking Lots & Sidewalks Training and Certification Program" as part of its "Smart Salt" project. This includes workshops and attendee certification. Implementation will continue |
| <b>WETLANDS- Promote voluntary projects and programs to increase public awareness of wetlands and their benefits through education, demonstrations, and wetland monitoring. Planning, design, and implementation of BMPs for wetland NPS control projects should be evaluated and compared across a large cross section of restoration sites. This will allow identification of common characteristics, which contribute to project success, regardless of its geographic location or type.</b> |                                                                                                                                                                                                                                                                                                        |         |                                                                                                                                                                                                                                                                                                |
| E1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | At least 10 acres of wetlands will be restored (established and re-established) or improved (enhanced and rehabilitated) with funding under Section 319 (or with approved match sources) during 2025 through 2029. <i>This objective corresponds to National Water Program Guidance Measure WT-01.</i> | Met     | Over 20 wetland acres were restored in 2018. An additional 10 acres will be constructed from FFY 2022 Section 319 projects. An additional 50 acres of wetlands will be restored through the GIGO program.                                                                                      |
| E2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Wetland protection will be incorporated into WBPs. The NPS components of Illinois EPA-approved WBPs will be incorporated by reference into the NPS Program and implementation of WBPs will be tracked through RMMS.                                                                                    | Ongoing |                                                                                                                                                                                                                                                                                                |
| <b>EDUCATION-Encourage the creation, improvement and training of information and education programs that specifically explain NPS pollution, evaluation, prevention, implementation, restoration/preservation and planning through displays, audio and visual presentation materials, and printed materials.</b>                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                        |         |                                                                                                                                                                                                                                                                                                |
| F1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Had been the VLMP goal.                                                                                                                                                                                                                                                                                | Removed | Removed as the Illinois EPA staff that ran the program retired.                                                                                                                                                                                                                                |

|    |                                                                                                                                                                                                                                                                                                                                              |         |                                                                                                                                                                                                                   |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| F1 | Develop and hold, once every two years, a NPS Pollution Control Workshop. To be held alternatively upstate and downstate; agricultural and urban topics. The first workshop was held in November 2012.                                                                                                                                       | Adapted | Covid restrictions and staff turnover prevented hosting these meetings in recent years. Replaced with webinars and direct technical assistance by Illinois EPA staff. This will be implemented again during 2026. |
| F2 | An update of the June 2007 <a href="#">Guidance for Developing Watershed Action Plans in Illinois</a> will be completed by the year 2027. The Program will develop tools to assist stakeholders in developing watershed plans.                                                                                                               | Not Met | Program staff are currently developing resources and tools that will assist stakeholders in developing watershed plans                                                                                            |
| F3 | The Illinois EPA, in cooperation with AISWCD, will update and maintain the Illinois Urban Manual (IUM) technical guide for use in Illinois EPA's wastewater construction permit applications, and as general guidance in the design of urban nonpoint runoff controls. Internet access of designs will continue to be available and updated. | Met     | The manual is currently being updated through a grant from the 604b program.                                                                                                                                      |

**MONITORING-Review, and when appropriate expand on monitoring efforts throughout the State. Evaluate and incorporate monitoring initiatives into NPS pollution reduction programs as part of the comprehensive watershed approach. Develop initiatives and programs that employ monitoring efforts as an educational tool to make sound and adaptive planning decisions. Apply the relevant data into the documentation of long-term water quality trends. Continue to incorporate the data collected into an accessible and useable database.**

|    |                                                                                                                                                                                                                                                                                                                                    |         |                                                                                                                                         |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------|
| G1 | Investigate the initiation of watershed monitoring and reporting for one new Section 319 National Monitoring Program Project by 2029.                                                                                                                                                                                              | Not Met | U.S. EPA had reached out regarding possibility of resurrecting the NMP, Illinois EPA is interested, but no determination has been made. |
| G2 | Illinois EPA will complete development of the 2020-2025 Illinois Water Monitoring Strategy by September 2029. Consideration will be given to comments provided by Region V on the Agency's previous strategy; new state and federal priorities; availability of Agency staff and financial resources; technical capabilities; etc. | Not Met | Significant staff changes within the Surface Water Section and need to transition into ATTAINS delayed the update to the Strategy.      |
| G3 | Implementation of the Illinois EPA's "Illinois Water Monitoring Strategy" (which identifies specific monitoring sites, methods, schedules, parameters, etc. and is incorporated by reference as part of this Program).                                                                                                             | Ongoing |                                                                                                                                         |
| G4 | Biannually have a Social Indicator Project either started or in the process of completion.                                                                                                                                                                                                                                         | Not Met | Limited vendor opportunity to pursue SI projects.                                                                                       |

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

|    |                                                                                                                                                               |     |                                                          |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------------------|
| H1 | During 2025 through 2029, twelve (12) watershed-based plans covering at least twenty (20) 12-digit hydrologic unit codes (HUCs) will be completed or updated. | Met | FFY18: 3<br>FFY19: 3<br>FFY20: 4<br>FFY21: 4<br>FFY22: 4 |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------------------|

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| H2 | Incorporate groundwater and source water protection into WBPs.                                                                                                                                                                                                                                                                                                                   | Ongoing |  |
|    |                                                                                                                                                                                                                                                                                                                                                                                  |         |  |
| H3 | Watershed-based plans that meet the 9 minimum elements, as determined by Illinois EPA, will be identified in Illinois EPA's Section 319 Biannual Report and the RMMS website. The NPS components of Illinois EPA-approved watershed-based plans will be incorporated by reference into the NPS Program and implementation of watershed-based plans will be tracked through RMMS. | Ongoing |  |

## 4.2 Key Partners and Programs

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

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

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

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

| Program                                                         | Year | Load Reductions Achieved Since Year |                                      |                                                  |                                     |
|-----------------------------------------------------------------|------|-------------------------------------|--------------------------------------|--------------------------------------------------|-------------------------------------|
|                                                                 |      | Nitrogen Load Reduction (lbs/year)  | Phosphorus Load Reduction (lbs/year) | Total Suspended Solids Load Reduction (lbs/year) | Sediment Load Reduction (tons/year) |
| Illinois EPA Nonpoint Source Program (319)                      | 1990 | 1,119,42                            | 503,27                               | 5,244,81                                         | 648,13                              |
| Illinois EPA Lakes Program                                      | -    | Not Available                       | Not Available                        | Not Available                                    | Not Available                       |
| Illinois EPA Illinois Green Infrastructure Grant Program (IGIG) | 2011 | 1,97                                | 43                                   | 166,08                                           | 22                                  |
| Illinois EPA State Revolving Fund (SRF) NPS Projects            | 2016 |                                     |                                      |                                                  |                                     |
| IDA Streambank Stabilization and Restoration Program (SSRP)     | 2001 | 150,42                              | 75,88                                | -                                                | 77,32                               |
| IDA Conservation Practice Program (CPP)                         | 2011 | 46,20                               | 23,16                                | -                                                | 18,54                               |
| IDNR Illinois Coastal Grant Program                             | -    | Not Available                       | Not Available                        | Not Available                                    | Not Available                       |
| NRCS Environmental Quality Incentives Program (EQIP)            | -    | Not Available                       | Not Available                        | Not Available                                    | Not Available                       |
| NRCS Conservation Stewardship Program (CSP)                     | -    | Not Available                       | Not Available                        | Not Available                                    | Not Available                       |
| NRCS Wetland Reserve Program (WRP)                              | -    | Not Available                       | Not Available                        | Not Available                                    | Not Available                       |
| <b>Total</b>                                                    |      | <b>1,318,03</b>                     | <b>602,76</b>                        | <b>5,410,90</b>                                  | <b>744,22</b>                       |

### 4.2.1 United States Department of Agriculture

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

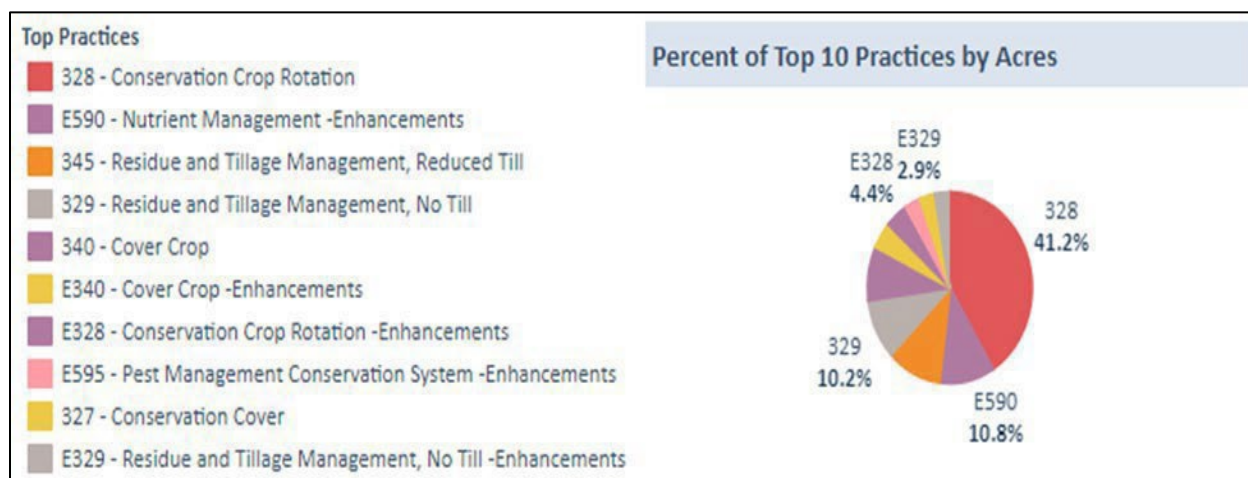
- [Agricultural Conservation Easement Program \(ACEP\)](#),
- [Conservation Stewardship Program \(CSP\)](#),
- [Environmental Quality Incentives Program \(EQIP\)](#),
- [Regional Conservation Partnership Program \(RCPP\)](#), and
- [Mississippi River Basin Healthy Watersheds Initiative \(MRBI\)](#).

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

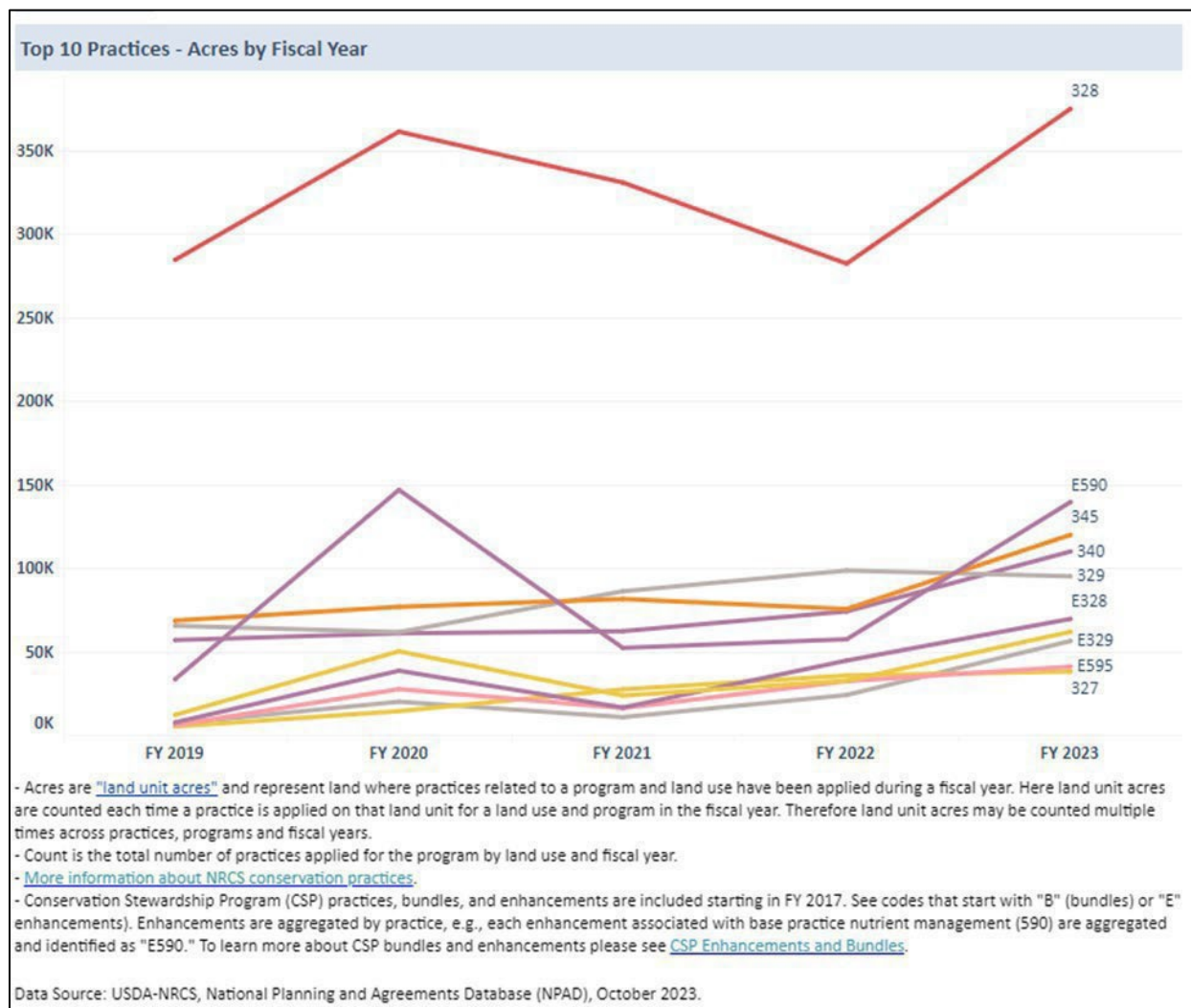
| Practice and Practice Code                                        | 2 19   |       | 2 20    |       | 2 21    |       | 2 22   |       | 2 23    |        |
|-------------------------------------------------------------------|--------|-------|---------|-------|---------|-------|--------|-------|---------|--------|
|                                                                   | Acres  | Count | Acres   | Count | Acres   | Count | Acres  | Count | Acres   | Count  |
| Conservation Cover (327)                                          |        | 47    |         | 1,77  | 27,071  | 3,75  | 35,42  | 4,70  |         | 4,352  |
| Conservation Crop Rotation (328)                                  | 284,25 | 8,84  | 361,014 | 11,48 | 330,586 | 10,48 | 281,99 | 9,10  | 374,694 | 12,383 |
| Conservation Crop Rotation -Enhancements (E328)                   | 7,31   | 38    | 38,268  | 1,57  | 16,195  |       | 44,35  | 1,60  | 69,304  | 2,070  |
| Cover Crop (340)                                                  | 56,62  | 1,59  | 60,693  | 1,97  | 61,931  | 1,78  | 73,80  | 2,43  | 109,634 | 3,448  |
| Cover Crop -Enhancements (E340)                                   | 11,81  |       | 49,892  | 1,70  | 23,365  |       | 32,33  | 1,11  | 61,571  | 1,953  |
| Early Successional Habitat Development-Mgt (647)                  |        | 66    |         | 1,33  |         | 94    |        | 1,69  |         |        |
| Field Border (386)                                                |        |       |         |       |         | 79    |        |       |         |        |
| Filter Strip (393)                                                |        | 59    |         |       |         |       |        |       |         |        |
| Grassed Waterway (412)                                            |        |       |         |       |         | 96    |        |       |         |        |
| Nutrient Management (590)                                         | 7,49   |       |         |       | 15,439  |       | 27,42  |       | 48,064  | 1,973  |
| Nutrient Management -Enhancements (E590)                          | 33,17  | 76    | 146,535 | 4,34  | 51,926  | 1,48  | 57,10  | 1,78  | 139,233 | 4,056  |
| Pest Management Conservation System -Enhancements (E595)          |        |       | 27,224  | 1,22  | 15,907  | 73    | 32,00  | 1,39  | 40,645  | 1,956  |
| Residue and Tillage Management, No Till (329)                     | 65,17  | 2,21  | 61,408  | 2,88  | 85,801  | 3,03  | 98,26  | 3,09  | 94,801  | 3,152  |
| Residue and Tillage Management, No Till -Enhancements (E329)      | 6,58   |       | 19,697  |       |         |       |        |       | 56,051  |        |
| Residue and Tillage Management, Reduced Till (345)                | 68,26  | 1,84  | 76,526  | 1,86  | 81,193  | 3,02  | 75,21  | 2,49  | 119,626 | 4,163  |
| Residue and Tillage Management, Reduced Till -Enhancements (E345) |        |       | 25,826  |       |         |       |        |       |         |        |
| Underground Outlet (620)                                          | 7,66   |       |         |       |         |       |        |       |         |        |
| Water and Sediment Control Basin (638)                            |        | 43    |         |       |         |       |        |       |         |        |

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

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



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

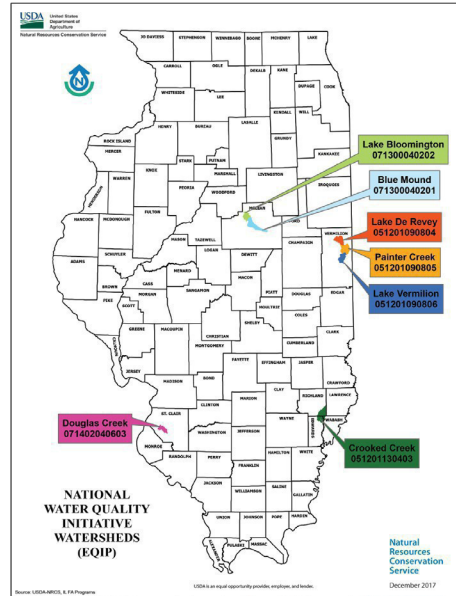


Typically information is aggregated at the HUC-12 level. Through the [National Water Quality Initiative \(NWQI\)](#), eligible producers can invest in voluntary conservation practices to help provide cleaner water for their neighbors and communities. Using funds from EQIP, NRCS will provide financial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

Figure 4.3. NWQI Watersheds in Illinois.

Table 4.5. NWQI Watersheds in Illinois.

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



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

Figure 4.4. NWQI Lake De Revey Watershed.

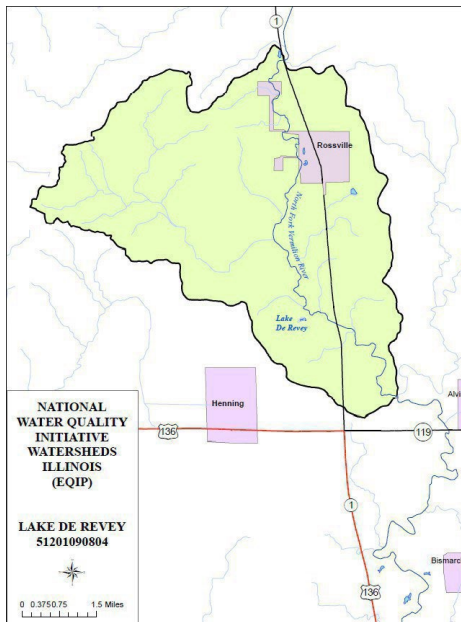
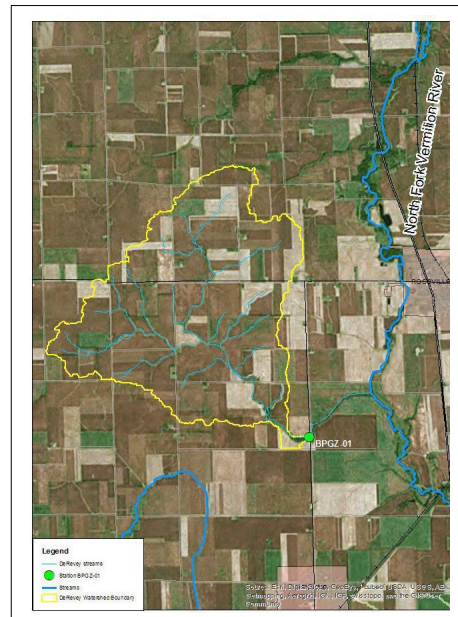


Figure 4.5. NWQI Lake De Revey Monitoring.



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

#### 4.2.2 Illinois Department of Agriculture

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

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

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

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

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

### 4.2.3 Illinois Department of Natural Resources

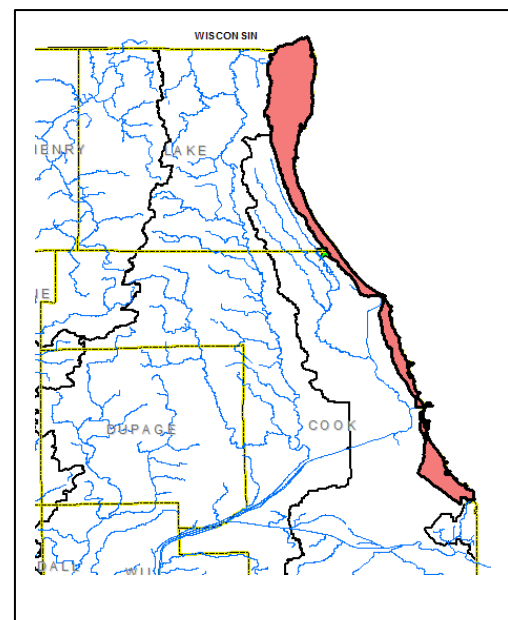
The Illinois Department of Natural Resources' (IDNR) [Conservation Reserve Enhancement Program](#) (CREP) is an enhanced version of the USDA Conservation Reserve Program (CRP). CREP is a federal, state, and local partnership designed to retire frequently flooded and environmentally sensitive cropland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

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

Figure 4.6. CREP Eligibility Map.



Figure 4.7. Illinois Coastal Zone.



## 4.2.4 Illinois Environmental Protection Agency

### 4.2.4.1 Nonpoint Source Success Stories

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

Type 1. Waters that are partially or fully restored,

Type 2. Waters that show progress toward achieving water quality goals Type 3.

Waters that show ecological restoration.

Type 4. Healthy Waters Protected from Water Quality Impairment

Type 5. NPS Program Accomplishments and Interim Measures of Success

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

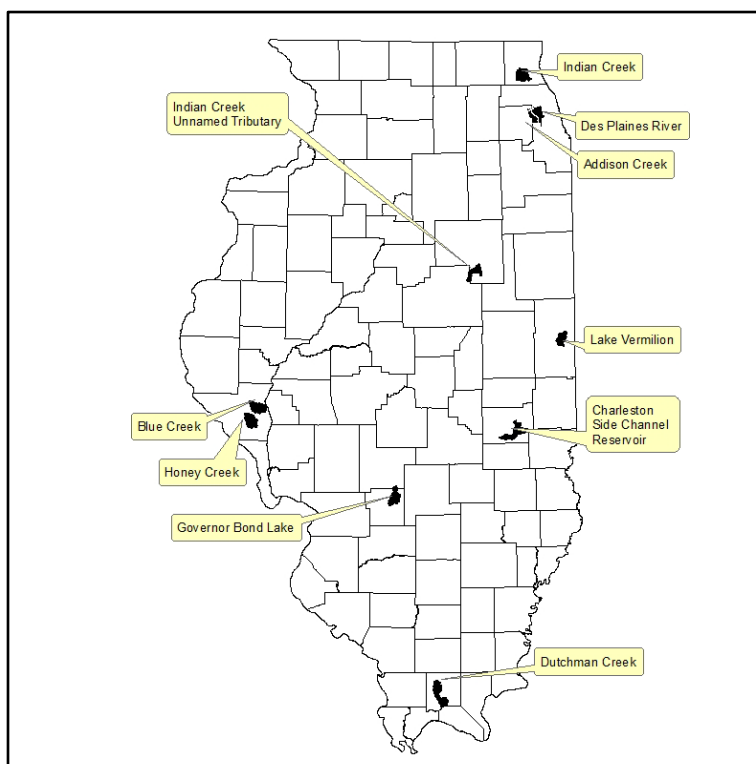
**Table 4.7. Illinois Success Stories approved by USEPA.**

| Waterbody                                         | Year | Type | Waterbodies |
|---------------------------------------------------|------|------|-------------|
| <a href="#">Addison Creek</a>                     | 2008 | 1    | 1           |
| <a href="#">Governor Bond Lake</a>                | 2008 | 1    | 1           |
| <a href="#">Dutchman Creek</a>                    | 2009 | 1    | 1           |
| <a href="#">Charleston Side Channel Reservoir</a> | 2010 | 1    | 1           |
| <a href="#">Des Plaines River</a>                 | 2010 | 1    | 2           |
| <a href="#">Indian Creek</a>                      | 2012 | 1    | 1           |
| <a href="#">Honey Creek</a>                       | 2012 | 1    | 1           |
| <a href="#">Lake Vermilion</a>                    | 2013 | 1    | 2           |
| <a href="#">Blue Creek</a>                        | 2015 | 1    | 1           |
| <a href="#">IndianCreek Unnamed Tributary</a>     | 2016 | 1    | 1           |
| Sugar Creek*                                      | 2025 | 1    | 1           |
| Salt Creek**                                      | 2025 | 1    | 1           |
| North Fork Embarras River*                        | 2025 | 1    | 1           |
| Mill Creek**                                      | 2025 | 1    | 1           |
| Cedar Creek**                                     | 2025 | 1    | 2           |
| West Branch Du Page River*                        | 2025 | 1    | 1           |
| Greenville Old (Patriot's Park)**                 | 2025 | 1    | 1           |
| Des Plaines River**                               | 2025 | 1    | 2           |
| Cahokia Creek**                                   | 2025 | 1    | 1           |
| Silver Creek**                                    | 2025 | 1    | 1           |
| Lake Decatur**                                    | 2025 | 2    | 1           |
| Woods Creek*                                      | 2025 | 5    | 3           |

\* Success Story Submitted to EPA HQ

\*\*Success Story Accepted by EPA HQ

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



#### 4.2.4.2 Total Maximum Daily Loads

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

On December 5, 2013, USEPA announced a new collaborative [framework](#) for implementing the Section 303(d) program with states and later updated its [program vision](#) in 2022. In response, Illinois developed its [Long-term Vision for Assessment, Restoration and Protection under Section 303\(d\) of the Clean Water Act](#), which was most recently updated in June of 2024.

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

TMDLs developed with Section 319 funding must include an implementation plan that meets the nine minimum elements of a watershed-based plan found in the [Nonpoint Source Program and Grants Guidelines for States and Territories](#) which was most recently updated on May 4, 2024. Once approved, TMDLs and associated implementation plans will serve as additional goals of the [Illinois' Nonpoint Source Management Program](#). These TMDL implementation plans contain specific recommendations for best management practices and an implementation schedule along with the coordinated roles and responsibilities of identified partners.

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

#### 4.2.4.3 Watershed-based Planning

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

Through technical and financial assistance, the Illinois EPA also encourages the development of watershed-based plans consistent with the USEPA watershed-based plan guidance found in the [Nonpoint Source Program and Grants Guidelines for States and Territories](#) (May 4, 2024), USEPA's [Handbook for Developing Watershed Plans to Restore and Protect Our Waters](#), and the Chicago Metropolitan Agency for Planning's [Guidance for Developing Watershed Action Plans in Illinois](#) dated May 2007. Clean Water Act Section 319 Watershed Project Funds must be spent on projects within an impaired watershed for which there is a watershed-based plan.

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

#### 4.2.4.4 Nutrient Loss Reduction Strategy

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

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

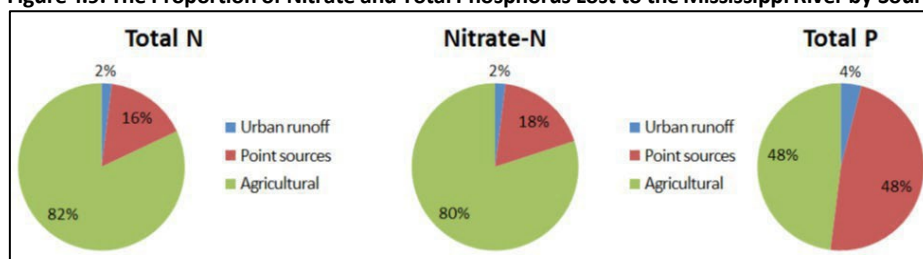
The strategy recommends that load reductions be measured against the average annual riverine loading of nitrate-nitrogen and total phosphorus for 1980-1996, which serves as the state's baseline loading. Loss reduction goals are intended to apply equally to the eight-digit Hydrologic Unit Code (HUC) watersheds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

**Table 4.8. Watershed Milestones and Targets.**

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

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

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



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

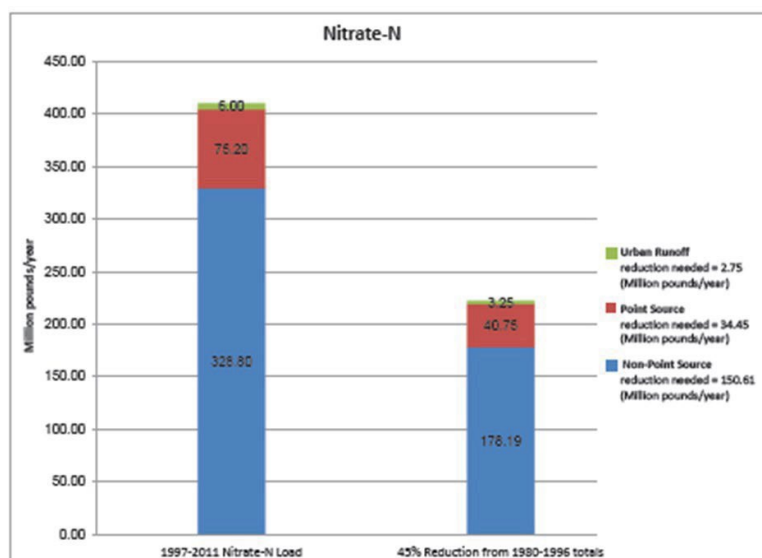
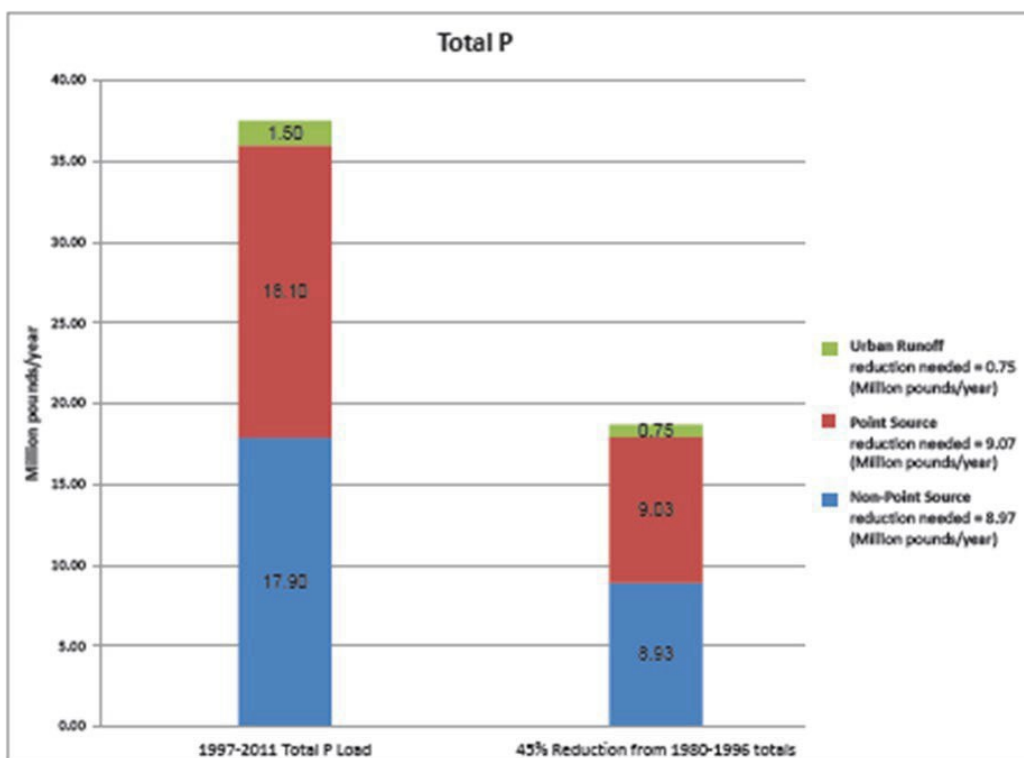


Figure 4.11. Total Phosphorus Reduction Goal in Pounds per Year by Source.



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

#### 4.2.4.5 Illinois Clean Lakes Program

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

#### 4.2.4.6 Priority Lake and Watershed Implementation Program

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

#### 4.2.4.7 Lake Education Assistance Program

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

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

#### 4.2.4.8 Water Pollution Control Loan Program

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

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

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

| Loan Recipient                              | Loan Amount             | Project Description                                | GPR Category                            | Principal Forgiveness | Closing Date or Project Period |
|---------------------------------------------|-------------------------|----------------------------------------------------|-----------------------------------------|-----------------------|--------------------------------|
| City of Peoria                              | \$8,825,015.35          | CSO Improvements Phase 3 with Green Infrastructure | Green Infrastructure; Energy Efficiency | n/a                   | 6/12/2024                      |
| BNWRD                                       | \$43,233,100.00         | Southeast WWTP Upgrades/Phosphorous Reduction      | Water Efficiency; Energy Efficiency     | n/a                   | 4/1/2024                       |
| New Lenox                                   | \$72,570,195.00         | STP #2 Expansion                                   | Energy Efficiency                       | n/a                   | 6/24/2024                      |
| Belleville                                  | \$8,595,583.04          | East Creek I&I Improvement Project (LTCP)          | Water Efficiency; Energy Efficiency     | n/a                   | 6/3/2024                       |
| Christian County Water Reclamation District | \$25,000,000.00         | WWTP Improvements and CSO Upgrades                 | Energy Efficiency; Water Efficiency     | \$7,500,000.00        | 4/4/2024                       |
| <b>Total</b>                                | <b>\$158,223,893.39</b> |                                                    |                                         | <b>\$7,500,000.00</b> |                                |

#### 4.2.4.9 Illinois Green Infrastructure Grant Program for Stormwater Management

The [Illinois Green Infrastructure Grant Program for Stormwater Management](#) (IGIG) provided funding to local units of government and other organizations to implement green infrastructure best management practices (BMPs) to control stormwater runoff for water quality protection in Illinois. Projects must be located within a Municipal Separate Storm Sewer System (MS4) or Combined Sewer Overflow (CSO) area. Funds are limited to the implementation of projects to install BMPs. IGIG activities and accomplishments are reported biannually in the Illinois EPA's [Illinois Green Infrastructure Grant Program for Stormwater Management Biannual Report](#). Furthermore, individual BMPs implemented in Illinois with funding under IGIG are tracked geographically through the University of Illinois and Illinois EPA's [Resource Management Mapping Service \(RMMS\) website](#). Table 4.10 quantifies the BMPs implemented under IGIG since the program started in State Fiscal Year 2011 along with associated annual pollutant load reductions. The application process for IGIG was suspended after State Fiscal Year 2014. A new green infrastructure grant program (Green Infrastructure Grant Opportunities (GIGO)) was developed in 2021.

**Table 4.10. IGIG - Summary of Completed BMPs.**

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

#### 4.2.4.10 Green Infrastructure Grant Opportunities Program (GIGO)

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

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

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

Eligible GIGO projects include:

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

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

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

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

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

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

#### **4.2.4.11 Section 604b – Water Quality Management Planning Grant Program**

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

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

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

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

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

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

| FFY  | Grant No.     | Award Date | Budget Period StartDate | Budget Period EndDate | Award Amount         | IllinoisEPA Base Operating Program Funds | 319(h) Funds Awardedto Sub-recipients | Total No. of Projects | No. of Projects Complete | TMDLAmt. Removed Pre-award |
|------|---------------|------------|-------------------------|-----------------------|----------------------|------------------------------------------|---------------------------------------|-----------------------|--------------------------|----------------------------|
| 1990 | 995010010     | 03/01/90   | 03/01/90                | 09/30/94              | \$750,000            | \$0                                      | \$750,000                             | 9                     | 9                        |                            |
| 1991 | 995010910     | 09/25/91   | 10/01/91                | 09/30/96              | \$300,501            | \$0                                      | \$300,501                             | 5                     | 5                        |                            |
| 1991 | 995010020     | 08/12/91   | 08/01/91                | 09/30/97              | \$1,308,200          | \$600,000                                | \$708,200                             | 10                    | 10                       |                            |
| 1992 | 995010920     | 08/17/92   | 08/15/92                | 09/20/96              | \$1,824,000          | \$600,000                                | \$1,224,000                           | 5                     | 5                        |                            |
| 1993 | 995010930     | 07/21/93   | 09/01/03                | 09/30/97              | \$1,931,217          | \$600,000                                | \$1,331,217                           | 16                    | 16                       |                            |
| 1994 | 995010940     | 04/07/94   | 04/11/94                | 03/31/01              | \$3,601,630          | \$1,274,862                              | \$2,326,768                           | 31                    | 31                       |                            |
| 1995 | 995200050     | 06/13/95   | 10/01/94                | 08/31/99              | \$3,816,920          | \$2,083,384                              | \$1,733,536                           | 18                    | 18                       |                            |
| 1996 | 995010960     | 03/18/96   | 10/01/95                | 12/31/02              | \$3,975,198          | \$2,177,182                              | \$1,798,016                           | 21                    | 21                       |                            |
| 1997 | 995010970     | 02/05/97   | 10/01/96                | 10/31/03              | \$4,096,964          | \$2,276,710                              | \$1,820,254                           | 18                    | 18                       |                            |
| 1998 | 995010980     | 02/18/98   | 10/01/97                | 12/31/04              | \$4,411,764          | \$2,061,180                              | \$2,350,584                           | 22                    | 22                       |                            |
| 1999 | 995010990     | 02/02/99   | 10/01/98                | 09/30/05              | \$7,322,480          | \$2,961,436                              | \$4,361,044                           | 20                    | 20                       | \$893,120                  |
| 2000 | 995010000     | 03/01/00   | 10/01/99                | 09/30/06              | \$8,139,800          | \$2,545,158                              | \$5,594,642                           | 18                    | 18                       |                            |
| 2001 | 975483010     | 04/19/01   | 10/01/00                | 09/30/07              | \$9,540,100          | \$2,766,267                              | \$6,773,833                           | 20                    | 20                       |                            |
| 2002 | 975857020     | 05/13/02   | 10/02/01                | 09/30/07              | \$8,540,100          | \$2,716,390                              | \$5,823,710                           | 24                    | 24                       | \$1,000,000                |
| 2003 | 975857030     | 09/25/03   | 10/01/02                | 09/30/08              | \$8,290,100          | \$2,776,938                              | \$5,513,162                           | 27                    | 27                       | \$1,289,700                |
| 2004 | 995200040     | 06/10/04   | 10/01/03                | 09/30/09              | \$8,329,800          | \$2,852,478                              | \$5,477,322                           | 23                    | 23                       | \$1,153,200                |
| 2005 | 995200050     | 06/13/05   | 10/01/04                | 12/31/10              | \$7,456,300          | \$2,819,745                              | \$4,636,555                           | 24                    | 24                       | \$800,000                  |
| 2006 | 995200060     | 09/22/06   | 10/01/05                | 09/30/10              | \$6,063,037          | \$1,231,422                              | \$4,831,615                           | 19                    | 19                       | \$800,000                  |
| 2007 | 995200070     | 08/21/07   | 10/01/06                | 09/30/11              | \$7,120,350          | \$2,464,823                              | \$4,655,527                           | 17                    | 17                       | \$804,250                  |
| 2008 | 995200080     | 07/21/08   | 06/01/08                | 09/30/13              | \$8,132,050          | \$2,639,869                              | \$5,492,181                           | 17                    | 17                       | \$800,000                  |
| 2009 | 995200090     | 07/30/09   | 05/01/09                | 09/30/14              | \$7,148,400          | \$2,713,525                              | \$4,434,875                           | 15                    | 15                       | \$800,000                  |
| 2010 | 995200010     | 04/14/10   | 05/01/10                | 12/31/14              | \$7,348,000          | \$2,631,545                              | \$4,716,455                           | 21                    | 21                       | \$600,000                  |
| 2011 | 995200011     | 08/09/11   | 07/01/11                | 06/30/16              | \$5,968,441          | \$2,416,732                              | \$3,551,709                           | 14                    | 14                       | \$935,559                  |
| 2012 | 999520012     | 05/21/12   | 04/01/12                | 03/31/17              | \$5,750,000          | \$2,328,164                              | \$3,421,836                           | 9                     | 9                        | \$700,000                  |
| 2013 | 999520013     | 05/29/13   | 04/01/13                | 03/31/18              | \$6,114,000          | \$2,584,123                              | \$3,529,877                           | 14                    | 14                       |                            |
| 2014 | 999520014     | 04/28/14   | 04/01/14                | 03/31/19              | \$6,254,000          | \$2,776,321                              | \$3,477,679                           | 18                    | 18                       |                            |
| 2015 | 999520015     | 06/18/15   | 04/01/15                | 03/31/20              | \$6,190,100          | \$2,444,585                              | \$3,745,515                           | 14                    | 14                       | \$500,000                  |
| 2016 | 999520016     | 06/22/16   | 04/01/16                | 03/31/21              | \$6,397,000          | \$2,536,963                              | \$3,860,037                           | 20                    | 19                       | \$600,000                  |
| 2017 | 999520017     | 04/20/17   | 04/01/17                | 03/31/22              | \$6,619,000          | \$2,461,235                              | \$4,157,765                           | 19                    | 18                       |                            |
| 2018 | 999520018     | 08/24/18   | 04/01/18                | 03/31/23              | \$6,539,000          | \$2,208,749                              | \$4,330,251                           | 16                    | 16                       | \$300,000                  |
| 2019 | 999520019     | 06/11/19   | 04/01/19                | 03/31/24              | \$6,474,000          | \$1,993,797                              | \$4,480,203                           | 17                    | 14                       | \$121,177                  |
| 2020 | 999520020     | 07/16/20   | 04/01/20                | 03/31/25              | \$5,800,061          | \$1,296,861                              | \$4,503,200                           | 13                    | 13                       | \$78,755                   |
| 2021 | 999520021     | 08/09/21   | 07/01/21                | 06/30/26              | \$6,930,000          | \$680,504                                | \$6,249,496                           | 15                    | 12                       |                            |
| 2022 | 999520022     | 09/22/22   | 10/01/22                | 09/30/27              | \$6,930,000          | \$2,065,655                              | \$4,864,345                           | 18                    | 7                        |                            |
| 2023 | 999520023     | 09/15/23   | 10/01/23                | 09/30/28              | \$6,930,000          | \$184,402                                | \$6,745,598                           | 11                    |                          |                            |
|      | <b>Totals</b> |            |                         |                       | <b>\$202,342,513</b> | <b>\$68,771,005</b>                      | <b>\$133,571,508</b>                  | <b>598</b>            | <b>567</b>               | <b>\$12,175,761</b>        |

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

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

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

|                                           | Number | Acres     | Feet    | Nitrogen<br>Load<br>Reduction<br>(lbs/year) | Phosphorus<br>Load Reduction<br>(lbs/year) | Total<br>Suspended<br>Solids Load<br>Reduction<br>(lbs/year) | Sediment<br>Load<br>Reduction<br>(tons/year) |
|-------------------------------------------|--------|-----------|---------|---------------------------------------------|--------------------------------------------|--------------------------------------------------------------|----------------------------------------------|
| AGRICULTURE                               |        |           |         |                                             |                                            |                                                              |                                              |
| Brush Management (314)                    | -      | 281.0     | -       | 216                                         | 28                                         | -                                                            | 28                                           |
| Conservation Cover (327)                  | -      | 154.3     | -       | 1,567                                       | 788                                        | -                                                            | 717                                          |
| Conservation Tillage (329)                | -      | 23,790.2  | -       | 51,349                                      | 25,755                                     | -                                                            | 157,336                                      |
| Cover and Green Manure Crop (340)         | -      | 12,046.5  | -       | 18,762                                      | 2,871                                      | -                                                            | 2,452                                        |
| Critical Area Planting (342)              | -      | 15.3      | -       | 1,116                                       | 559                                        | -                                                            | 3,915                                        |
| Dam, Diversion (348)                      | 1      | -         | -       | 455                                         | 235                                        | -                                                            | 207                                          |
| Sediment Basin (350)                      | 149    | -         | -       | 16,912                                      | 7,545                                      | 250,637                                                      | 26,222                                       |
| Diversion (362)                           | -      | -         | 541     | 560                                         | 63                                         | -                                                            | 13                                           |
| Pond (378)                                | 156    | -         | -       | 24,362                                      | 11,483                                     | -                                                            | 26,200                                       |
| Filter Strip (393)                        | -      | 13,912.5  | -       | 331,543                                     | 168,026                                    | -                                                            | 107,467                                      |
| Grade Stabilization Structure (410)       | 353    | -         | -       | 9,639                                       | 4,567                                      | -                                                            | 7,332                                        |
| Grassed Waterway (412)                    | -      | 374.8     | -       | 29,823                                      | 12,753                                     | 6                                                            | 27,835                                       |
| Strip Cropping (Field) (586)              | -      | 8,058.7   | -       | 6,690                                       | 3,671                                      | -                                                            | 2,479                                        |
| Structure for Water Control (587)         | 2      | -         | -       | 79                                          | 40                                         | -                                                            | 40                                           |
| Nutrient Management (590)                 | -      | 161,925.7 | -       | 109,915                                     | 54,325                                     | -                                                            | 36,522                                       |
| Terrace (600)                             | -      | -         | 175,376 | 8,546                                       | 4,371                                      | -                                                            | 12,216                                       |
| Subsurface Drain (606)                    | -      | -         | 30      | 149                                         | 80                                         | -                                                            | 61                                           |
| Surface Drainage (Field Ditch) (607)      | -      | -         | 2,200   | 197                                         | 78                                         | -                                                            | 80                                           |
| Tree Planting (612)                       | -      | 7,209.6   | -       | 54,915                                      | 27,464                                     | -                                                            | 23,448                                       |
| Water and Sediment Control Basin (638)    | -      | -         | 275,872 | 31,084                                      | 12,971                                     | -                                                            | 31,742                                       |
| Infiltration Trench (845)                 | 3      | -         | -       | 7                                           | -                                          | 827                                                          | -                                            |
| Level Spreader (870)                      | 3      | -         | -       | -                                           | -                                          | -                                                            | -                                            |
| Permanent Seeding (880)                   | -      | 1,866.5   | -       | 4,367                                       | 2,189                                      | -                                                            | 1,626                                        |
| Rock Outlet Protection (910)              | 4      | -         | -       | 271                                         | 135                                        | -                                                            | 135                                          |
| HYDROLOGIC                                |        |           |         |                                             |                                            |                                                              |                                              |
| Wetland Acquisition (6)                   | -      | 242.0     | -       | -                                           | -                                          | -                                                            | -                                            |
| Dredging (7)                              | 10     | -         | -       | -                                           | -                                          | -                                                            | -                                            |
| Stream Channel Restoration (9)            | -      | -         | 42,727  | 17,784                                      | 8,389                                      | 983,269                                                      | 7,892                                        |
| Spillway Restoration (14)                 | 1      | -         | -       | -                                           | -                                          | -                                                            | -                                            |
| Dam Removal (16)                          | 3      | -         | -       | -                                           | -                                          | -                                                            | -                                            |
| dam repair (31)                           | 1      | -         | -       | -                                           | -                                          | -                                                            | -                                            |
| Clearing and Snagging (326)               | -      | -         | 7,401   | 6                                           | 3                                          | -                                                            | 3                                            |
| Streambank and Shoreline Protection (580) | -      | -         | 601,160 | 117,573                                     | 58,963                                     | 1,523                                                        | 83,578                                       |
| Ditch Stabilization (581)                 | -      | -         | 6,665   | 622                                         | 314                                        | 11,752                                                       | 304                                          |
| Stream Channel Stabilization (584)        | -      | -         | 65,064  | 8,312                                       | 4,060                                      | 1,275                                                        | 4,968                                        |
| Wetland Restoration (657)                 | -      | 1,622.8   | -       | 8,565                                       | 3,932                                      | 930,861                                                      | 8,900                                        |
| LIVESTOCK                                 |        |           |         |                                             |                                            |                                                              |                                              |
| Waste Management System (312)             | 19     | -         | -       | 63,209                                      | 10,042                                     | -                                                            | 46                                           |
| Waste Storage Structure (313)             | 26     | -         | -       | 28,737                                      | 4,557                                      | -                                                            | 23                                           |
| Waste Treatment Lagoon (359)              | 1      | -         | -       | 6,909                                       | 687                                        | -                                                            | -                                            |
| Fencing (382)                             | -      | -         | 16,809  | 66                                          | 33                                         | -                                                            | 37                                           |
| Livestock Exclusion (472)                 | -      | 193.3     | -       | 128                                         | 66                                         | -                                                            | 70                                           |
| Pasture and Hayland Management (510)      | -      | 416.0     | -       | -                                           | -                                          | -                                                            | -                                            |
| Pasture and Hayland Planting (512)        | -      | 391.6     | -       | 1,630                                       | 817                                        | -                                                            | 627                                          |
| Planned Grazing Systems (556)             | -      | 750.9     | -       | 993                                         | 507                                        | -                                                            | 383                                          |

|                                                 |     |         |       |                  |                |                  |                |
|-------------------------------------------------|-----|---------|-------|------------------|----------------|------------------|----------------|
| Roof Runoff Management (558)                    | 7   | -       | -     | 17,895           | 3,001          | -                | -              |
| Roofing for Runoff Control (559)                | 8   | -       | -     | 4,554            | 1,866          | -                | -              |
| Runoff Management System (570)                  | 5   | -       | -     | 831              | 93             | -                | 18             |
| Stock Trails and Walkways (575)                 | -   | -       | 1,331 | -                | -              | -                | -              |
| Trough or Tank (614)                            | 2   | -       | -     | -                | -              | -                | -              |
| Wash Water Recovery (634)                       | 4   | -       | -     | 29               | 739            | -                | -              |
| OTHER2                                          |     |         |       |                  |                |                  |                |
| Education (1)                                   | 166 | -       | -     | -                | -              | -                | -              |
| Monitoring (2)                                  | 48  | -       | -     | -                | -              | -                | -              |
| Planning/Administration (3)                     | 95  | -       | -     | -                | -              | -                | -              |
| Technical Assistance (4)                        | 34  | -       | -     | -                | -              | -                | -              |
| Well Sealing (5)                                | 239 | -       | -     | -                | -              | -                | -              |
| Sinkhole Stabilization (8)                      | 10  | -       | -     | -                | -              | -                | -              |
| Cistern (12)                                    | 11  | -       | -     | 1                | -              | 93               | -              |
| Regulations (15)                                | 2   | -       | -     | -                | -              | -                | -              |
| aquatic herbicide application (19)              | -   | 3.0     | -     | -                | -              | -                | -              |
| nutrient inactivation (27)                      | 1   | -       | -     | -                | -              | -                | -              |
| habitat enhancement (29)                        | 1   | -       | -     | -                | -              | -                | -              |
| buffer zone enhancement / installation (35)     | -   | 119.8   | -     | 538              | 206            | 28,771           | 108            |
| Forest Land Erosion Control System (408)        | -   | 561.5   | -     | 24,903           | 12,396         | -                | 16,403         |
| LandReconstruction, Abandoned Mined Land (543)  | -   | 61.5    | -     | -                | -              | -                | -              |
| Land Reconstruction, Currently Mined Land (544) | -   | 16.0    | -     | -                | -              | -                | -              |
| Wildlife Wetland Habitat Management (644)       | -   | 4.0     | -     | -                | -              | -                | -              |
| Woodland Improvement (666)                      | -   | 2,458.6 | -     | 508              | 254            | 271              | 227            |
| URBAN                                           |     |         |       |                  |                |                  |                |
| Oiland Grit Seperator (10)                      | 12  | -       | -     | 36               | 1              | 7,417            | -              |
| GreenRoof (11)                                  | -   | 1.4     | -     | 2                | 11             | 23,285           | -              |
| Rain Garden (13)                                | 69  | -       | -     | 441              | 145            | 137,660          | -              |
| Street Sweeping (17)                            | 1   | -       | -     | -                | 1              | 4,730            | -              |
| Critical Area Planting (342)                    | -   | 0.2     | -     | -                | -              | 46               | -              |
| Sediment Basin (350)                            | 15  | -       | -     | 2,793            | 953            | 157,755          | 7,695          |
| Dike (356)                                      | -   | -       | 100   | -                | -              | -                | -              |
| Grade Stabilization Structure (410)             | 234 | -       | -     | 97,752           | 48,891         | -                | 48,901         |
| Recreation Area Improvement (562)               | -   | 7.6     | -     | -                | -              | -                | -              |
| Structurefor Water Control (587)                | 3   | -       | -     | 276              | 276            | -                | 552            |
| Terrace (600)                                   | -   | -       | 4,000 | 1                | -              | 267              | -              |
| Tree Planting (612)                             | -   | 5.0     | -     | 36               | 18             | -                | 14             |
| Water and Sediment Control Basin (638)          | -   | -       | 2,000 | -                | -              | -                | 58             |
| Urban Stormwater Wetlands (800)                 | 61  | -       | -     | 10,143           | 2,386          | 2,264,599        | 17             |
| Bio-retention Facility (812)                    | -   | 0.1     | -     | 70               | 9              | 5,991            | -              |
| Bioswale (814)                                  | -   | 8.3     | -     | 3,658            | 546            | 445,455          | -              |
| Urban Filter Strip (835)                        | -   | 16.0    | -     | 971              | 252            | 147,685          | -              |
| Grass-Lined Channels (840)                      | -   | 5.5     | -     | 299              | 119            | 75,043           | 33             |
| Infiltration Trench (845)                       | 45  | -       | -     | 50               | 31             | 21,425           | 1              |
| Land Grading (865)                              | -   | 1.8     | -     | 9                | 5              | -                | 6              |
| Level Spreader (870)                            | 7   | -       | -     | 124              | 27             | 19,120           | -              |
| Permanent Seeding (880)                         | -   | 1.8     | -     | 9                | 5              | -                | 6              |
| Porous Pavement (890)                           | -   | 17.8    | -     | 605              | 57             | 71,950           | -              |
| Rock Outlet Protection (910)                    | 17  | -       | -     | -                | -              | -                | -              |
| Subsurface Drain (945)                          | -   | -       | 1     | 3                | -              | 339              | -              |
| <b>Totals</b>                                   |     |         |       | <b>1,123,592</b> | <b>504,653</b> | <b>5,592,051</b> | <b>648,942</b> |

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

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

| Federal Fiscal Grant Year | Nitrogen Load Reduction (lbs/year) | Phosphorus Load Reduction (lbs/year) | Total Suspended Solids Load Reduction (lbs/year) | Sediment Load Reduction (tons/year) |
|---------------------------|------------------------------------|--------------------------------------|--------------------------------------------------|-------------------------------------|
| 1990                      | 1,528                              | 602                                  | 0                                                | 587                                 |
| 1991                      | 485                                | 172                                  | 72,818                                           | 122                                 |
| 1992                      | 216                                | 108                                  | 0                                                | 127                                 |
| 1993                      | 1,592                              | 797                                  | 0                                                | 3,139                               |
| 1994                      | 5,546                              | 2,699                                | 0                                                | 96,505                              |
| 1995                      | 1,039                              | 515                                  | 3,215                                            | 607                                 |
| 1996                      | 23,234                             | 11,607                               | 15,353                                           | 62,915                              |
| 1997                      | 2,447                              | 1,237                                | 343                                              | 2,685                               |
| 1998                      | 3,357                              | 1,153                                | 512,465                                          | 66,187                              |
| 1999                      | 12,827                             | 6,022                                | 440,162                                          | 7,006                               |
| 2000                      | 84,764                             | 42,580                               | 6                                                | 20,315                              |
| 2001                      | 56,451                             | 14,332                               | 400,290                                          | 14,872                              |
| 2002                      | 334,852                            | 169,068                              | 382,554                                          | 117,671                             |
| 2003                      | 28,597                             | 14,135                               | 83,333                                           | 13,829                              |
| 2004                      | 72,508                             | 36,754                               | 460,551                                          | 44,653                              |
| 2005                      | 8,069                              | 3,351                                | 160,500                                          | 4,617                               |
| 2006                      | 101,869                            | 49,693                               | 123,685                                          | 51,663                              |
| 2007                      | 14,847                             | 7,230                                | 173,840                                          | 8,569                               |
| 2008                      | 27,562                             | 7,618                                | 99,306                                           | 4,066                               |
| 2009                      | 23,046                             | 11,381                               | 113,113                                          | 11,690                              |
| 2010                      | 68,308                             | 32,862                               | 83,232                                           | 31,472                              |
| 2011                      | 49,782                             | 21,802                               | 461,153                                          | 21,515                              |
| 2012                      | 24,316                             | 8,848                                | 3,373                                            | 5,193                               |
| 2013                      | 18,593                             | 8,878                                | 1,308,230                                        | 7,047                               |
| 2014                      | 36,339                             | 12,123                               | 253,642                                          | 12,810                              |
| 2015                      | 40,610                             | 16,832                               | 29,273                                           | 12,945                              |
| 2016                      | 61,760                             | 13,419                               | 240,036                                          | 17,750                              |
| 2017                      | 8,897                              | 3,774                                | 171,578                                          | 14,361                              |
| 2018                      | 54                                 | 14,634                               | 79,808                                           | 8,351                               |
| 2019                      | 17,303                             | 10,425                               | 495,564                                          | 10,118                              |
| 2020                      | 17,990                             | 2,627                                | 83,167                                           | 3,042                               |
| 2021                      | 17,096                             | 6,673                                | 3,752,979                                        | 5,582                               |
| 2022                      | TBD                                | TBD                                  | TBD                                              | TBD                                 |
| 2023                      | TBD                                | TBD                                  | TBD                                              | TBD                                 |

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

FISCAL YEAR 2020 (NPS PROGRAM FUNDS) ) – 999520020

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

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

**NPS Program:** All Sources

**Project Location:** Will County

**Waterbody Name (ID):** Fiddymment Creek (IL\_GHC), Milne Creek, and Fraction Run (IL\_GHA)

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

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

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

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

**Comments:** This project is complete.

### Project Reports and Other Informational Materials:

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

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

Watershed-based Plan – TMDL Joint Evaluation Form – October 2022. City of Lockport

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

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

**NPS Program:** All Sources

**Project Location:** Winnebago County

**Waterbody Name (ID):** Keith Creek (IL\_PR-01)

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

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

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

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

**Comments:** This project is completed.

**Project Reports and Other Informational Materials:**

Keith Creek Watershed-based Plan – Draft Report. August 2022. ZION Development (Draft WBP accepted as Final WBP.)

Keith Creek Watershed-Based Plan Executive Summary. August 2022. ZION Development Watershed-Based Plan or TMDL Implementation Plan Joint Evaluation Form – 7/29/2022. ZION Development

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

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

**NPS Program:** Urban Runoff

**Project Location:** DuPage County

**Waterbody Name (ID):**

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

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

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$160,000.00 | <b>Cumulative Expenditure:</b> | \$136,295.95 |
| <b>Federal:</b>            | \$96,000.00  | <b>Federal:</b>                | \$ 81,694.91 |
| <b>State and Local:</b>    | \$64,000.00  | <b>State and Local:</b>        | \$ 54,600.79 |

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

**Comments:** This grant agreement was amended to end 9/30/2023. This project is complete.

**Project Reports and Other Informational Materials:**

Salt Smart Program Manual (English & Spanish). December 2022. The Conservation Foundation. Salt Smart

Certified for Property Managers. December 2022. The Conservation Foundation.

Salt Smart Trifold Brochure. December 2022. The Conservation Foundation.

Salt Smart Certified Program Final Report (3192003). December 2022. The Conservation Foundation.

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

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

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

**NPS Program:** All Sources

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

**Waterbody Name (ID):** Embarras River (IL\_BE-01)

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

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

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

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

**Comments:** This project is complete.

## Project Reports and Other Informational Materials:

Embarras River Watershed – Final Project Report. December 2022. Coles County SWCD.

Polecat Creek Watershed Plan. December 2022. North Water.

The Slough Watershed Plan. December 2022. North Water.

Embarras River Watershed Management Plan update. December 2022. North Water.

Watershed-based Plan and TMDL Joint Evaluation Forms (Polecat, The Slough, HUC 8). December 2022. North Water.

20-04 (319) TS

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

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

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

**Location:** Sangamon, Morgan, and Macoupin Counties **Waterbody Name**

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

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

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

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$700,000.00 | <b>Cumulative Expenditure:</b> | \$525,461.56 |
| <b>Federal:</b>            | \$420,000.00 | <b>Federal:</b>                | \$315,279.47 |
| <b>State and Local:</b>    | \$280,000.00 | <b>State and Local:</b>        | \$210,182.09 |

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

**Comments:** This project is complete.

**Project Reports and Other Informational Materials:**

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

## BMP Implementation Summary:

| BMP Code | BMP Name                               | Amount     | Sediment<br>(tons/year) | Estimated Load Reduction |                   |                        |
|----------|----------------------------------------|------------|-------------------------|--------------------------|-------------------|------------------------|
|          |                                        |            |                         | Phosphorus<br>(lbs/year) | TSS<br>(lbs/year) | Nitrogen<br>(lbs/year) |
| 580      | Streambank and Shoreline Stabilization | 3805 ft    | 240.7                   | 240.7                    | -                 | 481.2                  |
| 340      | Cover and Green Manure Crop            | 1930 Acres | 1,591                   | 1,246                    |                   | 11,007                 |
| 314      | Woodland Improvement                   | 61.8 Acres | 101                     | 101                      |                   | 201.5                  |
| 412      | Grassed Waterways                      | 11.2 acres | 232.3                   | 240.7                    |                   | 481.2                  |



20-05 (319) CD

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

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

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

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

**Project Location:** Boone

**Waterbody Name (ID):** Candlewick Lake (IL\_RPV)

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

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

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

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

**Comments:** The grant agreement end date was amended to 12/31/2023. This Project is complete.

**Project Reports and Other Informational Materials:**

Candlewick Western Tributary Bioinfiltration Project. December 1, 2023. Olson Ecological Solutions.

## BMP Implementation Summary:

| BMP Code | BMP Name                               | Amount     | Sediment<br>(tons/year) | Estimated Load Reduction |                   |                        |
|----------|----------------------------------------|------------|-------------------------|--------------------------|-------------------|------------------------|
|          |                                        |            |                         | Phosphorus<br>(lbs/year) | TSS<br>(lbs/year) | Nitrogen<br>(lbs/year) |
| 580      | Streambank and Shoreline Stabilization | 343 ft     | 13.5                    | 14                       | -                 | 28                     |
| 581      | Diversion                              | 430 ft     | 19                      | 19                       |                   | 38                     |
| 657      | Wetland Restoration                    | 1.75 Acres |                         | 50                       |                   | 348                    |



20-06 (319) SR/CD

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

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

**NPS Program:** Urban Runoff

**Project Location:** Cook County

**Waterbody Name(ID):** Midlothian Creek (IL\_HBA-01)

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

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

|                            |                |                                |        |
|----------------------------|----------------|--------------------------------|--------|
| <b>Total Project Cost:</b> | \$1,960,064.00 | <b>Cumulative Expenditure:</b> | \$0.00 |
| <b>Federal:</b>            | \$1,000,064.00 | <b>Federal:</b>                | \$0.00 |
| <b>State and Local:</b>    | \$960,000.00   | <b>State and Local:</b>        | \$0.00 |

| <b>Project Milestone</b>                   | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b>        |
|--------------------------------------------|------------------------|-------------------------|------------------------|
| Project Coordination                       | 12/31/22               | Yes                     |                        |
| Draft BMP Strategy                         | 10/1/21                | Yes                     |                        |
| Final BMP Strategy                         | 12/1/21                | Yes                     |                        |
| Complete BMP Strategy Implementation       | 10/1/22                | No                      |                        |
| Draft Education Strategy                   | 10/1/21                | Yes                     |                        |
| Final Education Strategy                   | 12/1/21                | Yes                     |                        |
| Complete Education Strategy Implementation | 10/1/22                | Yes                     |                        |
| Draft Project Report                       | 10/1/22                | No                      | Waived by Illinois EPA |
| Final Project Report                       | 12/1/22                | No                      | Waived by Illinois EPA |

**Comments:** Project delays occurred due to COVID-19, project logistics, and a strike at the Thornton Rock Quarry; a new agreement 3192007B was executed to complete the project as proposed and within the award period. See page 52. No costs were incurred under 3192007.

**Project Reports and Other Informational Materials:**

No reports

20-07 (319) SR/CD

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

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

**NPS Program:** Urban Runoff

**Project Location:** Cook County

**Waterbody Name(ID):** Midlothian Creek (IL\_HBA-01)

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

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

|                            |                |                                |                |
|----------------------------|----------------|--------------------------------|----------------|
| <b>Total Project Cost:</b> | \$1,960,064.00 | <b>Cumulative Expenditure:</b> | \$2,156,119.86 |
| <b>Federal:</b>            | \$1,000,064.00 | <b>Federal:</b>                | \$1,000,064.00 |
| <b>State and Local:</b>    | \$960,000.00   | <b>State and Local:</b>        | \$1,156,055.86 |

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

**Comments:** New agreement to complete original 3192007 project. This Project is complete.

**Project Reports and Other Informational Materials:**

Robbins Rain Garden and Riparian Restoration Project– Phase 2. February 14, 2025. MWRDGC.

**BMP Implementation Summary:**

| BMP<br>Code | BMP Name                               | Amount    | Sediment<br>(tons/year) | Estimated Load Reduction |                   |                        |
|-------------|----------------------------------------|-----------|-------------------------|--------------------------|-------------------|------------------------|
|             |                                        |           |                         | Phosphorus<br>(lbs/year) | TSS<br>(lbs/year) | Nitrogen<br>(lbs/year) |
| 580         | Streambank and Shoreline Stabilization | 343 ft    | 183                     |                          | -                 |                        |
| 013         | Rain Garden/Bioretention Basin         | 1.8 Acres |                         | 5                        |                   | 33                     |



20-07B (319) CD

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

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

**NPS Program:** Urban Runoff

**Project Location:** Cook County

**Waterbody Name (ID):** Stony Creek-West (IL\_HG)

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

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

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$134,910.00 | <b>Cumulative Expenditure:</b> | \$186,323.75 |
| <b>Federal:</b>            | \$ 80,946.00 | <b>Federal:</b>                | \$ 80,946.00 |
| <b>State and Local:</b>    | \$ 53,964.00 | <b>State and Local:</b>        | \$105,377.75 |

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

**Comments:** This project is complete.

**Project Reports and Other Informational Materials:**

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

### BMP Implementation Summary:

| BMP<br>Code | BMP Name        | Amount     | Sediment<br>(tons/year) | Estimated Load Reduction |                   |                        |
|-------------|-----------------|------------|-------------------------|--------------------------|-------------------|------------------------|
|             |                 |            |                         | Phosphorus<br>(lbs/year) | TSS<br>(lbs/year) | Nitrogen<br>(lbs/year) |
| 890         | Porous Pavement | 0.12 Acres | 1                       | 1                        | 92                | 1                      |



20-08 (319) ST/CD

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

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

**NPS Program:** Hydrologic Modification

**Project Location:** DuPage County

**Waterbody Name (ID):** Klein Creek (IL\_GBKC-01)

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

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

|                            |                |                                |                |
|----------------------------|----------------|--------------------------------|----------------|
| <b>Total Project Cost:</b> | \$2,000,000.00 | <b>Cumulative Expenditure:</b> | \$5,390,021.99 |
| <b>Federal:</b>            | \$1,000,000.00 | <b>Federal:</b>                | \$1,000,000.00 |
| <b>State and Local:</b>    | \$1,000,000.00 | <b>State and Local:</b>        | \$4,390,021.99 |

| Project Milestone               | Completion Date | Completed Yes/No | Comments |
|---------------------------------|-----------------|------------------|----------|
| Project Coordination            | 02/15/24        | Yes              |          |
| BMP Draft Design Package        | 12/31/21        | Yes              |          |
| BMP O&M Plan                    | 12/31/21        | Yes              |          |
| Draft Landowner Agreement       | 12/31/21        | Yes              |          |
| Final Landowner Agreement       | 01/31/22        | Yes              |          |
| Complete BMP Implementation     | 06/15/24        | Yes              |          |
| BMP Invoice/Photo Documentation | 08/15/24        | Yes              |          |
| Draft Sign Design               | 12/31/21        | Yes              |          |
| Final Sign Design               | 01/15/24        | Yes              |          |
| Install Sign                    | 04/30/24        | Yes              |          |
| Draft Project Report            | 04/30/24        | Yes              |          |
| Final Project Report            | 08/17/24        | Yes              |          |

**Comments:** This project is complete. Final match was more than the original amount proposed in the Work Plan. The grantee had a \$3 million total project cost in the application with a 67 percent match. The scope of work remained the same, the subcontract budget was reduced to 50/50 cost share to ensure that the Village could claim the \$1,000,000. It was understood that the Village would exceed the \$2,000,000 in match identified in the Work Plan. Supply and demand due to COVID-19 did increase the overall project cost. This Project is complete.

**Project Reports and Other Informational Materials:**

Klein Creek Stabilization Sections 1 & 3. March 17, 2025. Village of Carol Stream.

## BMP Implementation Summary:

| BMP Code | BMP Name                               | Amount    | Sediment<br>(tons/year) | Estimated Load Reduction |                   |                        |
|----------|----------------------------------------|-----------|-------------------------|--------------------------|-------------------|------------------------|
|          |                                        |           |                         | Phosphorus<br>(lbs/year) | TSS<br>(lbs/year) | Nitrogen<br>(lbs/year) |
| 580      | Streambank and Shoreline Stabilization | 7340 ft   | 146.3                   | 144                      | 292,900           | 292.2                  |
| 584      | Stream Channel Stabilization           | 3670 ft   | 17.1                    | 17                       | 34,200            | 33.8                   |
| 835      | Riparian Herbaceous Cover              | 6.6 Acres | 0.2                     | 1                        | 342               | 3                      |
| 657      | Wetland Restoration                    | 1.5 Acres | 0.4                     | 2                        | 764               | 3                      |



20-09 (319) ST/CD

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

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

**NPS Program:** Hydrologic Modification

**Project Location:** DuPage County

**Waterbody Name (ID):** Klein Creek (IL\_GBKC-01)

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

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

|                            |                |                                |              |
|----------------------------|----------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$1,116,000.00 | <b>Cumulative Expenditure:</b> | \$948,641.88 |
| <b>Federal:</b>            | \$558,000.00   | <b>Federal:</b>                | \$558,000.00 |
| <b>State and Local:</b>    | \$372,000.00   | <b>State and Local:</b>        | \$390,641.88 |

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

**Comments:** This project is complete. The project match requirement was reduced from the original application 50/50 split to a 60/40 split. All components of the project were completed.

**Project Reports and Other Informational Materials:**

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

### BMP Implementation Summary:

| BMP Code | BMP Name                               | Amount  | Sediment (tons/year) | Estimated Load Reduction |                |                     |
|----------|----------------------------------------|---------|----------------------|--------------------------|----------------|---------------------|
|          |                                        |         |                      | Phosphorus (lbs/year)    | TSS (lbs/year) | Nitrogen (lbs/year) |
| 580      | Streambank and Shoreline Stabilization | 4140 ft | 36                   | 21                       | 76             | 55                  |
| 393      | Riparian Herbaceous Cover              | 2 Acres | 52                   | 72                       |                | 143                 |



20-10 (319) ST/CD

**Title:** [Oakbrook Tributary Restoration](#)

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

**NPS Program:** Hydrologic Modification

**Project Location:** DuPage County

**Waterbody Name (ID):** Salt Creek (IL\_GL-09)

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

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

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$390,000.00 | <b>Cumulative Expenditure:</b> | \$411,803.05 |
| <b>Federal:</b>            | \$234,000.00 | <b>Federal:</b>                | \$234,000.00 |
| <b>State and Local:</b>    | \$156,000.00 | <b>State and Local:</b>        | \$177,803.05 |

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

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

**Project Reports and Other Informational Materials:**

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

## BMP Implementation Summary:

| BMP Code | BMP Name                               | Amount  | Sediment (tons/year) | Estimated Load Reduction |                |                     |
|----------|----------------------------------------|---------|----------------------|--------------------------|----------------|---------------------|
|          |                                        |         |                      | Phosphorus (lbs/year)    | TSS (lbs/year) | Nitrogen (lbs/year) |
| 580      | Streambank and Shoreline Stabilization | 2819 ft | 34.9                 | 22                       | 77             | 56                  |



20-11 (319) SR/CD

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

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

**NPS Program:** Hydrologic Modification

**Project Location:** McHenry County

**Waterbody Name (ID):** Woods Creek Lake (IL\_RTZZ)

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

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

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

| <b>Project Milestone</b>        | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|---------------------------------|------------------------|-------------------------|-----------------|
| Project Coordination            | 10/31/23               | Yes                     |                 |
| BMP Draft Design Package        | 03/31/21               | Yes                     |                 |
| BMP O&M Plan                    | 03/31/21               | Yes                     |                 |
| Sign Design                     | 03/31/21               | Yes                     |                 |
| Landowner Agreement             | 03/31/21               | Yes                     |                 |
| Complete BMP Implementation     | 05/31/23               | Yes                     |                 |
| BMP Invoice/Photo Documentation | 06/30/23               | Yes                     |                 |
| Draft Project Report            | 05/31/23               | Yes                     |                 |
| Final Project Report            | 06/30/23               | Yes                     |                 |

**Comments:** This grant agreement end date was extended to 9/30/2023. This project is complete.

**Project Reports and Other Informational Materials:**

Project Evaluation and Summary Report – Woods Creek Reach 11 Stream Restoration. June 2023. Village of Lake in the Hills.

### BMP Implementation Summary:

| BMP Code | BMP Name                               | Amount   | Sediment (tons/year) | Estimated Load Reduction |                |                     |
|----------|----------------------------------------|----------|----------------------|--------------------------|----------------|---------------------|
|          |                                        |          |                      | Phosphorus (lbs/year)    | TSS (lbs/year) | Nitrogen (lbs/year) |
| 580      | Streambank and Shoreline Stabilization | 4000 ft  | 142                  | 88                       |                | 228                 |
| 584      | Stream Channel Stabilization           | 2000 ft  | *                    | *                        |                | *                   |
| 657      | Wetland Restoration                    | 19 Acres | *                    | *                        |                | *                   |

\*Pollutant load reduction included in Streambank and Shoreline Stabilization



20-12 (319) CD

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

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

**NPS Program:** All Sources

**Project Location:** Lake County/McHenry County

**Waterbody Name (ID):** Manitou Creek (IL\_PR-01)/Fish Drain (IL\_PR-99)

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

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

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$240,130.00 | <b>Cumulative Expenditure:</b> | \$240,337.36 |
| <b>Federal:</b>            | \$144,078.00 | <b>Federal:</b>                | \$144,078.00 |
| <b>State and Local:</b>    | \$ 96,052.00 | <b>State and Local:</b>        | \$ 96,259.36 |

| <b>Project Milestone</b>           | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|------------------------------------|------------------------|-------------------------|-----------------|
| Draft Watershed Resource Inventory | 08/31/23               | Yes                     |                 |
| Final Watershed Resource Inventory | 10/31/23               | Yes                     |                 |
| Draft Watershed-based Plan         | 11/30/23               | Yes                     |                 |
| Final Watershed-based Plan         | 02/28/24               | Yes                     |                 |
| Draft Executive Summary            | 12/31/23               | Yes                     |                 |
| Final Executive Summary            | 02/28/24               | Yes                     |                 |
| Self-Assessment of Plan            | 12/31/23               | Yes                     |                 |

**Comments:** The project agreement end date was extended to March 31, 2024. The project was extended a second time with the new end date of December 31, 2024. The project name was updated to Manitou Creek as USGS has changed the creek name. The project is complete.

**Project Reports and Other Informational Materials:**

Manitou Creek – Fish Lake Drain Watershed-based Plan and Web-application - [Manitou Creek-Fish Lake Drain Watershed-Based Plan](#) \*. 2025. Lake County Stormwater Management Commission.

\* <https://lakecountyil.maps.arcgis.com/apps/mapviewer>

## 6. Completed Projects – Open Section 319 Grants

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

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

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

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

**Project Location:** Macon County

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

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

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

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$250,000.00 | <b>Cumulative Expenditure:</b> | \$325,723.68 |
| <b>Federal:</b>            | \$150,000.00 | <b>Federal:</b>                | \$150,000.00 |
| <b>State and Local:</b>    | \$100,000.00 | <b>State and Local:</b>        | \$175,723.68 |

| Project Milestone                    | Completion Date | Completed Yes/No | Comments |
|--------------------------------------|-----------------|------------------|----------|
| Project Coordination                 | 04/15/24        | Yes              |          |
| BMP Documentation Form P1 and Design | 09/30/22        | Yes              |          |
| O&M Plan                             | 09/30/22        | Yes              |          |
| Sign Design                          | 09/30/22        | Yes              |          |
| Landowner Agreement                  | 09/30/22        | Yes              |          |
| CompleteBMP Implementation           | 12/15/23        | Yes              |          |
| BMP Invoice/Photo Documentation      | 12/26/23        | Yes              |          |
| Draft WBP Strategy                   | 06/30/22        | Yes              |          |
| Final WBP Strategy                   | 09/30/22        | Yes              |          |
| Implement WBP Strategy               | 01/31/24        | Yes              |          |
| Submit WBP Assessments               | 01/15/24        | Yes              |          |
| Draft Project Report                 | 01/31/24        | Yes              |          |
| Final Project Report                 | 02/29/24        | Yes              |          |

**Comments:** This project is completed.

#### Project Reports and Other Informational Materials:

Lake Decatur Water Quality Initiative Phase 1 Section 319 Project Final Report – December 2023 – City of Decatur and Northwater Consulting

Sand Creek Subwatershed Plan – October 2023 – Northwater Consulting

Wildcat Creek Subwatershed Plan – October 2023 – Northwater Consulting

Willow Branch Subwatershed Plan – October 2023 – Northwater Consulting

Friends Creek Subwatershed Plan Update and Addendum – October 2023 – Northwater Consulting

**BMP Implementation Summary:**

| BMP<br>Code | BMP Name                                  | Estimated Load Reduction |                         |                          |                        |
|-------------|-------------------------------------------|--------------------------|-------------------------|--------------------------|------------------------|
|             |                                           | Amount                   | Sediment<br>(tons/year) | Phosphorus<br>(lbs/year) | Nitrogen<br>(lbs/year) |
| 584         | Stream Channel Stabilization              | 747 ft.                  | 105                     | 45                       | -                      |
| 580         | Streambank and Shoreline<br>Stabilization | 200 ft.                  | 67                      | 61                       | 59                     |
| 657         | Wetland Restoration                       | 6.1 acres                | 247                     | 135                      | 753                    |



21-01 (319) RA

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

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

**NPS Program:** Agriculture and Hydrologic Modifications

**Project Location:** Jackson and Union Counties

**Waterbody Name (ID):** Cedar Lake (IL\_RNE)

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

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

|                            |                |                                |                |
|----------------------------|----------------|--------------------------------|----------------|
| <b>Total Project Cost:</b> | \$1,250,000.00 | <b>Cumulative Expenditure:</b> | \$1,366,947.76 |
| <b>Federal:</b>            | \$ 750,000.00  | <b>Federal:</b>                | \$ 750,000.00  |
| <b>State and Local:</b>    | \$ 500,000.00  | <b>State and Local:</b>        | \$ 616,947.76  |

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

**Comments:** This project is completed.

**Project Reports and Other Informational Materials:**

Project Evaluation and Final Report for the Cedar Lake BMP Installation Gully and Shoreline Stabilization  
– May 2024 – HMG Engineers, INC.

### BMP Implementation Summary:

| BMP<br>Code | BMP Name                               | Amount     | Sediment<br>(tons/year) | Phosphorus<br>(lbs/year) | Estimated Load Reduction |                        |
|-------------|----------------------------------------|------------|-------------------------|--------------------------|--------------------------|------------------------|
|             |                                        |            |                         |                          | TSS<br>(lbs/year)        | Nitrogen<br>(lbs/year) |
| 581         | Ditch Stabilization                    | 1,216 ft.  | 414                     | 414                      | -                        | 828                    |
| 580         | Streambank and Shoreline Stabilization | 12,779 ft. | 1,935                   | 1,935                    |                          | 3,870                  |



Finished Product of Gully Stabilization



Finished Product of Bank Stabilization

21-02 (319) DS

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

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

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

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

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

**Waterbody Name (ID):** Multiple – including Henderson Creek (IL\_LD-02), North Henderson Creek (IL\_LDE-03), Edwards River (IL\_LF-01), and Cedar Creek (IL\_LDD-C2).

**Subgrantee:** Mercer County Soil and Water Conservation District 308 SE  
8<sup>th</sup> Ave.  
Aledo, Illinois 61231

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

|                            |             |                                |             |
|----------------------------|-------------|--------------------------------|-------------|
| <b>Total Project Cost:</b> | \$65,000.00 | <b>Cumulative Expenditure:</b> | \$60,304.00 |
| <b>Federal:</b>            | \$39,000.00 | <b>Federal:</b>                | \$36,220.00 |
| <b>State and Local:</b>    | \$26,000.00 | <b>State and Local:</b>        | \$24,084.00 |

| <b>Project Milestone</b>                           | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|----------------------------------------------------|------------------------|-------------------------|-----------------|
| Draft Watershed-based Inventory (WBI) Strategy     | 3/30/22                | Yes                     |                 |
| Final Watershed-based Inventory (WBI) Strategy     | 11/15/22               | Yes                     |                 |
| Complete Implementation of WBI Strategy            | 9/30/23                | Yes                     |                 |
| Draft Outreach Information Strategy                | 9/30/22                | Yes                     |                 |
| Final Outreach Information Strategy                | 11/15/22               | Yes                     |                 |
| Complete Implementation of Outreach/Info. Strategy | 3/30/23                | Yes                     |                 |
| Draft Joint Evaluation Form                        | 6/30/23                | Yes                     |                 |
| Final Joint Evaluation Form                        | 9/30/23                | Yes                     |                 |
| Draft Project Report                               | 8/31/23                | Yes                     |                 |
| Final Project Report                               | 11/30/23               | Yes                     |                 |

**Comments:** This project is completed.

**Project Reports and Other Informational Materials:**

Mississippi North Central Watershed-Based Inventory (WBI) & Screening Analysis – September 2023 –  
Northwater Consulting

**Title:** [16<sup>th</sup> Avenue Sediment Basin](#)

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

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

**Project Location:** Montgomery County

**Waterbody Name (ID):** Lou Yeager (IL\_ROM)

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

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

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$383,000.00 | <b>Cumulative Expenditure:</b> | \$517,818.42 |
| <b>Federal:</b>            | \$229,800.00 | <b>Federal:</b>                | \$229,200.00 |
| <b>State and Local:</b>    | \$153,200.00 | <b>State and Local:</b>        | \$288,618.42 |

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

**Comments:**

This project is completed. Match exceeded budgeted amount by \$135,418.42

**Project Reports and Other Informational Materials:**

Lake Lou Yeager Watershed Implementation Project – September 2024 – Crawford Murphy and Tilly Engineers

### BMP Implementation Summary:

| BMP<br>Code | BMP Name       | Amount | Sediment<br>(tons/year) | Estimated Load Reduction |                   |                        |
|-------------|----------------|--------|-------------------------|--------------------------|-------------------|------------------------|
|             |                |        |                         | Phosphorus<br>(lbs/year) | TSS<br>(lbs/year) | Nitrogen<br>(lbs/year) |
| 350         | Sediment Basin | 1      | 402                     | 402                      | -                 | 804                    |



21-04 (319) RA

**Title:** [Longvalley Streambank Stabilization Project](#)

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

**NPS Program:** Hydrologic Modification

**Project Location:** Cook County

**Waterbody Name (ID):** West Fork North Brach Chicago River (IL\_HCCB-05)

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

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

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$375,175.00 | <b>Cumulative Expenditure:</b> | \$678,897.52 |
| <b>Federal:</b>            | \$224,000.00 | <b>Federal:</b>                | \$224,000.00 |
| <b>State and Local:</b>    | \$151,175.00 | <b>State and Local:</b>        | \$454,897.52 |

| <b>Project Milestone</b>                | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|-----------------------------------------|------------------------|-------------------------|-----------------|
| Project Coordination                    | 04/30/24               | Yes                     |                 |
| BMP Documentation Form P1 and Design    | 10/31/22               | Yes                     |                 |
| O&M Plan                                | 10/31/22               | Yes                     |                 |
| Sign Design                             | 10/31/22               | Yes                     |                 |
| Complete BMP Implementation             | 05/31/24               | Yes                     |                 |
| BMP Invoice/Photo Documentation         | 07/15/24               | Yes                     |                 |
| Draft Outreach Information Strategy     | 10/31/22               | Yes                     |                 |
| Final Outreach Information Strategy     | 12/31/22               | Yes                     |                 |
| Complete Implementation of O/I Strategy | 07/15/24               | Yes                     |                 |
| Draft Project Report                    | 05/21/24               | Yes                     |                 |
| Final Project Report                    | 07/31/24               | Yes                     |                 |

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

**Project Reports and Other Informational Materials:**

Longvalley Streambank Stabilization Project – May 2024 – Dr. Robyn Flakne

## BMP Implementation Summary:

| BMP Code | BMP Name                               | Amount  | Sediment (tons/year)  | Estimated Load Reduction |                |                     |
|----------|----------------------------------------|---------|-----------------------|--------------------------|----------------|---------------------|
|          |                                        |         |                       | Phosphorus (lbs/year)    | TSS (lbs/year) | Nitrogen (lbs/year) |
| 584      | Stream Channel Stabilization           | 875 ft. | 71                    | 84                       | -              | 225                 |
| 580      | Streambank and Shoreline Stabilization | 875 ft. | (combined with above) |                          |                |                     |



21-05 (319) RA



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

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

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

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

**Project Location:** Lake and McHenry Counties

**Waterbody Name (ID):** Multiple Waterbodies

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

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

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$168,900.00 | <b>Cumulative Expenditure:</b> | \$168,900.00 |
| <b>Federal:</b>            | \$101,340.00 | <b>Federal:</b>                | \$101,340.00 |
| <b>State and Local:</b>    | \$ 67,560.00 | <b>State and Local:</b>        | \$ 67,560.00 |

| Project Milestone                       | Completion Date | Completed Yes/No | Comments |
|-----------------------------------------|-----------------|------------------|----------|
| Project Coordination                    | 06/30/24        | Yes              |          |
| Draft Watershed Resource Inventory      | 11/30/23        | Yes              |          |
| Final Watershed Resource Inventory      | 02/15/24        | Yes              |          |
| Draft Watershed-based Plan              | 01/22/24        | Yes              |          |
| Final Watershed-based Plan              | 02/28/24        | Yes              |          |
| Draft Executive Summary                 | 01/22/23        | Yes              |          |
| Final Executive Summary                 | 02/28/24        | Yes              |          |
| Self-Assessment of Plan                 | 02/28/24        | Yes              |          |
| Draft Outreach Information Strategy     | 07/14/22        | Yes              |          |
| Final Outreach Information Strategy     | 11/02/22        | Yes              |          |
| Complete Implementation of O/I Strategy | 12/22/23        | Yes              |          |
| Draft Project Report                    | 01/22/24        | Yes              |          |
| Final Project Report                    | 02/28/24        | Yes              |          |

**Comments:** This project is completed.

**Project Reports and Other Informational Materials:**

Chain O'Lakes Watershed Plan – February 2024 – Fox Waterway Agency

Final Project Evaluation & Report for the Fox River/Chain O' Lakes Watershed Plan – June 2024 - Fox Waterway Agency  
21-06 (319) JE

**Title:** [Dry Run Creek Restoration](#)

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

**NPS Program:** Hydrologic Modifications/Wetlands

**Project Location:** Peoria County

**Waterbody Name (ID):** Kickapoo Creek (IL\_DL-01)

**Subgrantee:** Peoria County  
324 Main Street  
Peoria, Illinois 61602

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

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$726,413.00 | <b>Cumulative Expenditure:</b> | \$370,998.42 |
| <b>Federal:</b>            | \$435,848.00 | <b>Federal:</b>                | \$222,599.05 |
| <b>State and Local:</b>    | \$290,565.00 | <b>State and Local:</b>        | \$148,399.37 |

| <b>Project Milestone</b>             | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|--------------------------------------|------------------------|-------------------------|-----------------|
| Project Coordination                 | 03/31/25               | Yes                     |                 |
| BMP Documentation Form P1 and Design | 03/31/23               | Yes                     |                 |
| O&M Plan                             | 03/31/23               | Yes                     |                 |
| Sign Design                          | 03/31/23               | Yes                     |                 |
| Landowner Agreement                  | 03/31/23               | Yes                     |                 |
| Complete BMP Implementation          | 10/15/24               | Yes                     |                 |
| BMP Invoice/Photo Documentation      | 02/15/25               | Yes                     |                 |
| Draft Sign                           | 03/31/23               | Yes                     |                 |
| Final Sign                           | 07/31/23               | Yes                     |                 |
| Install Sign                         | 12/31/23               | Yes                     |                 |
| Draft Website                        | 08/31/23               | Yes                     |                 |
| Final Website                        | 12/31/23               | Yes                     |                 |
| Publish Website                      | 01/31/25               | Yes                     |                 |
| Draft Project Report                 | 01/31/25               | Yes                     |                 |
| Final Project Report                 | 03/31/25               | Yes                     |                 |

**Comments:** Contract extended from August 30, 2024 to July 15, 2025. Project came in under budget by \$213,248.95. This project is completed.

**Project Reports and Other Informational Materials:**

Final Project Report – Dry Run Creek Restoration Project (Agreement Number 3192107) – July 2025 GFL Environmental, Inc.

**BMP Implementation Summary:**

| BMP Code | BMP Name                               | Amount  | Sediment<br>(tons/year) | Estimated Load Reduction |                   |                        |
|----------|----------------------------------------|---------|-------------------------|--------------------------|-------------------|------------------------|
|          |                                        |         |                         | Phosphorus<br>(lbs/year) | TSS<br>(lbs/year) | Nitrogen<br>(lbs/year) |
| 584      | Stream Channel Stabilization           | 895 ft. | 90                      | 56                       | -                 | 145                    |
| 580      | Streambank and Shoreline Stabilization | 895 ft. | (combined with above)   |                          |                   |                        |



21-07 (319) DS/KC

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

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

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

**NPS Program:** Hydrologic Modification/Wetlands

**Project Location:** McHenry County

**Waterbody Name (ID):** Fox River (IL\_DT-20)

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

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

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

| Project Milestone                    | Completion Date | Completed Yes/No | Comments |
|--------------------------------------|-----------------|------------------|----------|
| Project Coordination                 | 03/31/24        | Yes              |          |
| BMP Documentation Form P1 and Design | 06/30/22        | Yes              |          |
| O&M Plan                             | 06/30/22        | Yes              |          |
| Sign Design                          | 06/30/22        | Yes              |          |
| Landowner Agreement                  | 06/30/22        | NA               |          |
| Complete BMP Implementation          | 09/30/23        | Yes              |          |
| BMP Invoice/Photo Documentation      | 10/31/23        | Yes              |          |
| Draft Sign                           | 05/30/22        | Yes              |          |
| Final Sign                           | 08/30/22        | Yes              |          |
| Install Sign                         | 09/30/23        | Yes              |          |
| Draft Project Report                 | 10/31/23        | Yes              |          |
| Final Project Report                 | 12/31/23        | Yes              |          |

**Comments:** This project is completed.

**Project Reports and Other Informational Materials:**

Ratt Creek Reach 5 Stabilization & Restoration Project Summary Report Village of Algonquin, Illinois – March 2024  
– Baxter and Woodman Natural Resources

**BMP Implementation Summary:**

| BMP<br>Code | BMP Name                            | Amount    | Sediment<br>(tons/year) | Estimated Load Reduction |                   |                        |
|-------------|-------------------------------------|-----------|-------------------------|--------------------------|-------------------|------------------------|
|             |                                     |           |                         | Phosphorus<br>(lbs/year) | TSS<br>(lbs/year) | Nitrogen<br>(lbs/year) |
| 580         | Streambank and Shoreline Protection | 5,264 ft. | 160                     | 160                      | -                 | 321                    |
| 657         | Wetland Restoration                 | 9.7 acres | 22                      | 61                       |                   | 404                    |



21-10 (319) JE



**Title:** [Sugar Creek Restoration Project](#)

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

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

**Project Location:** DuPage County

**Waterbody Name (ID):** Salt Creek (IL\_GL-03)

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

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

|                            |                |                                |                |
|----------------------------|----------------|--------------------------------|----------------|
| <b>Total Project Cost:</b> | \$1,225,031.18 | <b>Cumulative Expenditure:</b> | \$1,212,480.47 |
| <b>Federal:</b>            | \$ 612,515.59  | <b>Federal:</b>                | \$ 606,240.22  |
| <b>State and Local:</b>    | \$ 612,515.59  | <b>State and Local:</b>        | \$ 606,240.25  |

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

**Comments:** This project is completed.

**Project Reports and Other Informational Materials:**

Sugar Creek Restoration Project Tributary to Lower Salt Creek Section 319 Final Report – September 2023 – Living Waters Consultants, Inc.

# BMP Implementation Summary:

| BMP Code | BMP Name                            | Amount    | Sediment (tons/year) | Phosphorus (lbs/year) | Estimated Load Reduction |                     |
|----------|-------------------------------------|-----------|----------------------|-----------------------|--------------------------|---------------------|
|          |                                     |           |                      |                       | TSS (lbs/year)           | Nitrogen (lbs/year) |
| 580      | Streambank and Shoreline Protection | 2,336 ft. | 133                  | 133                   | -                        | 266                 |
| 584      | Stream Channel Stabilization        | 240 ft.   | 44                   | 45                    |                          | 89                  |
| 580      | Streambank and Shoreline Protection | 2,663 ft  | 174                  | 174                   |                          | 347                 |
| 800      | Urban Stormwater Wetlands           | 0.5 acres |                      | 725                   |                          | 2,696               |
| 350      | Sediment Basin                      | 0.3 acres |                      | 849                   | 1,054,830                |                     |
| 835      | Urban Filter Strip                  | 1.7 acres |                      | 622                   | 787,348                  | 4,493               |



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



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

21-11 (319) JE

**Title:** [Thorn Creek BMP Project](#)

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

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

**NPS Program:** Urban Runoff/Stormwater

**Project Location:** Cook County

**Waterbody Name (ID):** Thorn Creek (IL\_HBD-04)

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

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

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$793,832.12 | <b>Cumulative Expenditure:</b> | \$796,747.95 |
| <b>Federal:</b>            | \$476,299.27 | <b>Federal:</b>                | \$476,299.27 |
| <b>State and Local:</b>    | \$317,532.85 | <b>State and Local:</b>        | \$320,448.68 |

| <b>Project Milestone</b>             | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|--------------------------------------|------------------------|-------------------------|-----------------|
| Project Coordination                 | 08/31/24               | Yes                     |                 |
| BMP Documentation Form P1 and Design | 12/31/22               | Yes                     |                 |
| O&M Plan                             | 12/31/22               | Yes                     |                 |
| Sign Design                          | 12/31/22               | Yes                     |                 |
| Complete BMP Implementation          | 01/31/24               | Yes                     |                 |
| BMP Invoice/Photo Documentation      | 03/15/24               | Yes                     |                 |
| Draft Project Report                 | 01/31/24               | Yes                     |                 |
| Final Project Report                 | 03/31/24               | Yes                     |                 |

**Comments:**

More match included than initially budgeted. This project is completed.

**Project Reports and Other Informational Materials:**

Thorn Creek BMP Project – November 2024 - City of Chicago Heights

**BMP Implementation Summary:**

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



21-12 (319) RA

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

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

**NPS Program:** Hydrological Modification/Wetlands

**Project Location:** Cook County

**Waterbody Name (ID):** Addison Creek (IL\_GLA-04)

**Subgrantee:** City of Northlake  
55 E. North Ave.  
Northlake, Illinois 60164-1365

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

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

| <b>Project Milestone</b>             | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|--------------------------------------|------------------------|-------------------------|-----------------|
| Project Coordination                 | 04/30/24               | Yes                     |                 |
| BMP Documentation Form P1 and Design | 12/30/22               | Yes                     |                 |
| O&M Plan                             | 12/30/22               | Yes                     |                 |
| Sign Design                          | 12/30/22               | Yes                     |                 |
| Landowner Agreement                  | 12/30/22               | Yes                     |                 |
| Complete BMP Implementation          | 10/15/23               | Yes                     |                 |
| BMP Invoice/Photo Documentation      | 11/30/23               | Yes                     |                 |
| Draft Sign                           | 08/30/22               | Yes                     |                 |
| Final Sign                           | 09/15/22               | Yes                     |                 |
| Install Sign                         | 11/15/23               | Yes                     |                 |
| Draft Website                        | 02/28/23               | Yes                     |                 |
| Final Website                        | 04/30/23               | Yes                     |                 |
| Publish Website                      | 05/31/23               | Yes                     |                 |
| Draft Project Report                 | 10/15/23               | Yes                     |                 |
| Final Project Report                 | 12/31/23               | Yes                     |                 |

**Comments:** This project is completed.

**Project Reports and Other Informational Materials:**

Reach 1 - Addison Creek Streambank Restoration Project – March 2024 – Christopher B. Burke Engineering, Ltd.

### BMP Implementation Summary:

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



21-13 (319) DS

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

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

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

**NPS Program:** Hydrological Modification/Wetlands

**Project Location:** DuPage County

**Waterbody Name (ID):** Spring Brook #1 (IL\_GBKA-01)

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

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

|                            |                |                                |              |
|----------------------------|----------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$1,384,418.40 | <b>Cumulative Expenditure:</b> | \$925,629.12 |
| <b>Federal:</b>            | \$ 719,897.57  | <b>Federal:</b>                | \$481,327.14 |
| <b>State and Local:</b>    | \$ 664,520.83  | <b>State and Local:</b>        | \$444,301.98 |

| <b>Project Milestone</b>             | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|--------------------------------------|------------------------|-------------------------|-----------------|
| Project Coordination                 | 04/30/24               | Yes                     |                 |
| BMP Documentation Form P1 and Design | 06/30/22               | Yes                     |                 |
| O&M Plan                             | 06/30/22               | Yes                     |                 |
| Sign Design                          | 06/30/22               | Yes                     |                 |
| Complete BMP Implementation          | 10/31/23               | Yes                     |                 |
| BMP Invoice/Photo Documentation      | 12/15/23               | Yes                     |                 |
| Draft Project Report                 | 10/31/23               | Yes                     |                 |
| Final Project Report                 | 12/31/23               | Yes                     |                 |

**Comments:** This project is completed.

**Project Reports and Other Informational Materials:**

Spring Brook #1 Stabilization Wheaton Sanitary District – November 2024 – Hey and Associates, Inc.

**BMP Implementation Summary:**

| BMP<br>Code | BMP Name                            | Amount     | Sediment<br>(tons/year) | Phosphorus<br>(lbs/year) | Estimated Load Reduction |                        |
|-------------|-------------------------------------|------------|-------------------------|--------------------------|--------------------------|------------------------|
|             |                                     |            |                         |                          | TSS<br>(lbs/year)        | Nitrogen<br>(lbs/year) |
| 580         | Streambank and Shoreline Protection | 5,160 ft.  | 543                     | 540                      | -                        | 1,081                  |
| 666         | Woodland Improvement                | 2.06 acres | 0                       | 22                       |                          | 185                    |



21-14 (319) RA

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

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

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

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

**Project Location:** Macon County

**Waterbody Name (ID):** Sangamon River (IL\_E-95) and Lake Decatur (IL\_REA).

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

**Project Period:** July 12, 2023 through June 14, 2025

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$447,572.06 | <b>Cumulative Expenditure:</b> | \$485,668.21 |
| <b>Federal:</b>            | \$250,003.24 | <b>Federal:</b>                | \$250,003.24 |
| <b>State and Local:</b>    | \$197,568.82 | <b>State and Local:</b>        | \$235,664.97 |

| <b>Project Milestone</b>             | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|--------------------------------------|------------------------|-------------------------|-----------------|
| Project Coordination                 | 09/30/25               | Ongoing                 |                 |
| BMP Documentation Form P1 and Design | 12/12/23               | Yes                     |                 |
| O&M Plan                             | 12/12/23               | Yes                     |                 |
| Sign Design                          | 12/12/23               | Yes                     |                 |
| Landowner Agreement                  | 12/12/23               | Yes                     |                 |
| Complete BMP Implementation          | 07/15/25               | Yes                     |                 |
| BMP Invoice/Photo Documentation      | 07/31/25               | Yes                     |                 |
| Draft WBP Strategy                   | 07/12/23               | Yes                     |                 |
| Final WBP Strategy                   | 10/12/23               | Yes                     |                 |
| Implement WBP Strategy               | 01/31/25               | Yes                     |                 |
| Submit WBP Assessments               | 08/15/24               | Yes                     |                 |
| Draft Project Report                 | 07/31/25               | Yes                     |                 |
| Final Project Report                 | 09/15/25               | Yes                     |                 |

**Comments:** Contract extended from June 14, 2025 to December 31, 2025. Project match was \$38,096.15 over original estimation. This project is completed.

**Project Reports and Other Informational Materials:**

Lake Decatur Water Quality Initiative Phase 2 – April 2025 – City of Decatur and Northwater Consulting

Camp Creek & South Fork Camp Creek Subwatershed Plan – July 2024 – Northwater Consulting

**BMP Implementation Summary:**

| BMP<br>Code | BMP Name                            | Amount    | Sediment<br>(tons/year) | Phosphorus<br>(lbs/year) | Estimated Load Reduction |                        |
|-------------|-------------------------------------|-----------|-------------------------|--------------------------|--------------------------|------------------------|
|             |                                     |           |                         |                          | TSS<br>(lbs/year)        | Nitrogen<br>(lbs/year) |
| 580         | Streambank and Shoreline Protection | 2,152 ft. | 115                     | 62                       | -                        | 120                    |
| 410         | Grade Stabilization Structure       | 1         | 21                      | 11                       |                          | 29                     |
| 638         | WASCOB                              | 554 ft    | 45                      | 31                       |                          | 54                     |
| 412         | Grassed Waterway                    | 0.3 ac    | 6                       | 3                        |                          | 48                     |
| 378         | Pond                                | 1         | 98                      | 49                       |                          | 276                    |



22-01 (319) RA

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

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

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

**Project Location:** DeKalb County

**Waterbody Name (ID):** South Branch Kishwaukee River (IL\_PQC-09).

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

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

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$145,900.00 | <b>Cumulative Expenditure:</b> | \$146,061.95 |
| <b>Federal:</b>            | \$ 87,540.00 | <b>Federal:</b>                | \$ 87,539.99 |
| <b>State and Local:</b>    | \$ 58,360.00 | <b>State and Local:</b>        | \$ 58,521.96 |

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

**Comments:** This project is completed.

**Project Reports and Other Informational Materials:**

Central South Branch Kishwaukee River Watershed-Based Plan – March 2025 – Baxter & Woodman

Central South Branch Kishwaukee River Watershed-Based Plan Final Progress Report – March 2025 – DeKalb County  
Soil and Water Conservation District

**FEDERAL FISCAL YEAR 2022 (WATERSHED PROGRAM FUNDS)) – 999520022**

**Title:** [Silver Creek Stabilization Project](#)

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

**NPS Program:** Hydrologic Modification

**Project Location:** Cook County

**Waterbody Name (ID):** Silver Creek (IL\_GM-01).

**Subgrantee:** Village of Melrose Park  
1000 N. 25<sup>th</sup> Ave.  
Melrose Park, Illinois 60160

**Project Period:** October 4, 2023 through March 31, 2026

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$723,953.83 | <b>Cumulative Expenditure:</b> | \$737,254.45 |
| <b>Federal:</b>            | \$434,372.30 | <b>Federal:</b>                | \$434,372.30 |
| <b>State and Local:</b>    | \$289,581.53 | <b>State and Local:</b>        | \$302,882.15 |

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

**Comments:** This project is completed.

**Project Reports and Other Informational Materials:**

Silver Creek Stabilization Project, Phase 7 Tributary to the Des Plaines River – December 2024  
- Living Waters Consultants, INC.

**BMP Implementation Summary:**

| BMP<br>Code | BMP Name                            | Amount     | Sediment<br>(tons/year) | Estimated Load Reduction |                   |                        |
|-------------|-------------------------------------|------------|-------------------------|--------------------------|-------------------|------------------------|
|             |                                     |            |                         | Phosphorus<br>(lbs/year) | TSS<br>(lbs/year) | Nitrogen<br>(lbs/year) |
| 580         | Streambank and Shoreline Protection | 2,278 ft.  | 316.1                   | 316                      | -                 | 632                    |
| 584         | Stream Channel Stabilization        | 44 ft.     | 29.9                    | 30                       |                   | 60                     |
| 835         | Urban Filter Strip                  | 1.21 acres | 0                       | 291                      |                   | 2,705                  |



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22-10 (319) DS/JE

**Title:** [Flagg Creek Enhancement Project](#)

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

**NPS Program:** Hydrologic Modification

**Project Location:** DuPage County

**Waterbody Name (ID):** Flagg Creek (IL\_GK-03).

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

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

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$782,797.94 | <b>Cumulative Expenditure:</b> | \$912,522.50 |
| <b>Federal:</b>            | \$469,678.76 | <b>Federal:</b>                | \$469,678.76 |
| <b>State and Local:</b>    | \$313,119.18 | <b>State and Local:</b>        | \$442,843.74 |

| <b>Project Milestone</b>             | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|--------------------------------------|------------------------|-------------------------|-----------------|
| Project Coordination                 | 04/14/25               | Yes                     |                 |
| BMP Documentation Form P1 and Design | 10/13/23               | Yes                     |                 |
| O&M Plan                             | 10/13/23               | Yes                     |                 |
| Sign Design                          | 10/13/23               | Yes                     |                 |
| Landowner Agreement                  | 10/13/23               | Yes                     |                 |
| Last Day to Start BMP Implementation | 07/01/24               | Yes                     |                 |
| Complete BMP Implementation          | 10/31/24               | Yes                     |                 |
| BMP Invoice/Photo Documentation      | 01/15/25               | Yes                     |                 |
| Draft brochure design                | 11/15/23               | Yes                     |                 |
| Final brochure                       | 01/15/24               | Yes                     |                 |
| Distribute brochure                  | 04/15/24               | Yes                     |                 |
| Complete public meetings             | 12/15/24               | Yes                     |                 |
| Draft Project Report                 | 10/31/24               | Yes                     |                 |
| Final Project Report                 | 01/15/25               | Yes                     |                 |

**Comments:** Project went overmatch by \$129,724.56. This project is completed.

**Project Reports and Other Informational Materials:**

Flagg Creek Enhancement Project Tributary to the Des Plaines River Section 319(h) Final Report –  
December 2024 – Living Waters Consultants, INC.

**BMP Implementation Summary:**

| BMP<br>Code | BMP Name                            | Amount    | Sediment<br>(tons/year) | Phosphorus<br>(lbs/year) | Estimated Load Reduction |                        |
|-------------|-------------------------------------|-----------|-------------------------|--------------------------|--------------------------|------------------------|
|             |                                     |           |                         |                          | TSS<br>(lbs/year)        | Nitrogen<br>(lbs/year) |
| 580         | Streambank and Shoreline Protection | 3,325 ft. | 569                     | 569                      | -                        | 1,137                  |
| 584         | Stream Channel Stabilization        | 66 ft     | 47                      | 47                       |                          | 94                     |
| 835         | Urban Filter Strip                  | 2.43 ac   | N/A                     | 6                        | 8,576                    | 39                     |
| 582         | Two Stage Ditches                   | 100 ft    | N/A                     | 68                       | 64,322                   | 443                    |



22- 12 (319) JE

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

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

**NPS Program:** Hydrologic Modification

**Project Location:** Montgomery County

**Waterbody Name (ID):** Lake Lou Yaeger (IL\_ROM).

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

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

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$450,000.00 | <b>Cumulative Expenditure:</b> | \$450,000.00 |
| <b>Federal:</b>            | \$270,000.00 | <b>Federal:</b>                | \$270,000.00 |
| <b>State and Local:</b>    | \$180,000.00 | <b>State and Local:</b>        | \$180,000.00 |

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

**Comments:** This project is completed.

**Project Reports and Other Informational Materials:**

Lake Lou Yaeger Watershed Implementation Project – January 2025 – Crawford Murphy and Tilly, Inc.

**BMP Implementation Summary:**

|          |                                     | Estimated Load Reduction |                      |                       |                |                     |
|----------|-------------------------------------|--------------------------|----------------------|-----------------------|----------------|---------------------|
| BMP Code | BMP Name                            | Amount                   | Sediment (tons/year) | Phosphorus (lbs/year) | TSS (lbs/year) | Nitrogen (lbs/year) |
| 580      | Streambank and Shoreline Protection | 3,166 ft.                | 694                  | 792                   | -              | 1,573               |



22-13 (319) RA

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

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

**NPS Program:** Hydrologic Modification

**Project Location:** Morgan County

**Waterbody Name (ID):** Waverly Lake (IL\_SDC).

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

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

|                            |              |                                |               |
|----------------------------|--------------|--------------------------------|---------------|
| <b>Total Project Cost:</b> | \$150,000.00 | <b>Cumulative Expenditure:</b> | \$ 135,830.00 |
| <b>Federal:</b>            | \$ 90,000.00 | <b>Federal:</b>                | \$ 81,498.00  |
| <b>State and Local:</b>    | \$ 60,000.00 | <b>State and Local:</b>        | \$ 54,332.00  |

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

**Comments:** This project is completed.

**Project Reports and Other Informational Materials:**

Waverly Lake TMDL & Watershed Plan Implementation – December 2024 – City of Waverly and Northwater Consulting

## BMP Implementation Summary:

|          |                                     | Estimated Load Reduction |                      |                       |                |                     |
|----------|-------------------------------------|--------------------------|----------------------|-----------------------|----------------|---------------------|
|          |                                     | Estimated Load Reduction |                      |                       |                |                     |
| BMP Code | BMP Name                            | Amount                   | Sediment (tons/year) | Phosphorus (lbs/year) | TSS (lbs/year) | Nitrogen (lbs/year) |
| 580      | Streambank and Shoreline Protection | 1,665 ft.                | 190.1                | 103                   | -              | 176                 |



22-14 (319) DS/AE

**Title:** [Long Lake Shoreline Stabilization](#)

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

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

**NPS Program:** Hydrologic Modification

**Project Location:** Lake County

**Waterbody Name (ID):** Long Lake (IL\_RTJ).

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

**Project Period:** June 26, 2023 through September 27, 2024

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$373,465.00 | <b>Cumulative Expenditure:</b> | \$313,408.85 |
| <b>Federal:</b>            | \$180,000.00 | <b>Federal:</b>                | \$148,440.28 |
| <b>State and Local:</b>    | \$193,465.00 | <b>State and Local:</b>        | \$164,968.57 |

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

**Comments:** This project is complete

**Project Reports and Other Informational Materials:**

Long Lake Shoreline Stabilization – September 2024 – Lake County Forest Preserves

**BMP Implementation Summary:**

| BMP Code | BMP Name                            | Amount    | Sediment (tons/year) | Phosphorus (lbs/year) | Estimated Load Reduction |                     |
|----------|-------------------------------------|-----------|----------------------|-----------------------|--------------------------|---------------------|
|          |                                     |           |                      |                       | TSS (lbs/year)           | Nitrogen (lbs/year) |
| 580      | Streambank and Shoreline Protection | 1,376 ft. | 104                  | 104                   | -                        | 209                 |



22-18(319) JE



## 7. Ongoing Multiyear Projects - Closed Section 319 Grants

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

**Title:** Total Maximum Daily Load Development

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

**NPS Program:** Monitoring/Evaluation

**Project Location:** Statewide

**Waterbody Name (ID):** Multiple

**Subgrantee:** CDM Smith  
125 S Wacker Drive, Suite 700  
Chicago, Illinois 60606

**Project Period:** 04/01/23 through 03/31/25

|                            |                |                                |             |
|----------------------------|----------------|--------------------------------|-------------|
| <b>Total Project Cost:</b> | \$1,000,000.00 | <b>Cumulative Expenditure:</b> | \$78,755.00 |
| <b>Federal:</b>            | \$514,566.00   | <b>Federal:</b>                | \$78,755.00 |
| <b>State and Local:</b>    | \$485,434.00   | <b>State and Local:</b>        | \$0.00      |

| Project Milestone | Completion Date | Completed Yes/No | Comments |
|-------------------|-----------------|------------------|----------|
|-------------------|-----------------|------------------|----------|

|                          |             |     |  |
|--------------------------|-------------|-----|--|
| CompleteStage3TMDLReport | August 2024 | Yes |  |
|--------------------------|-------------|-----|--|

**Comments:** This project continued\* support of the development of TMDLs for the Kickapoo Creek, Big Creek, Big Ditch, Saline Branch, Little Wabash River/Green Creek, Salt Creek, Rock River/Pierce Lake, and Kyte River. The \$78,755 was used specifically for a portion of the Stage 3 TMDL work, including model calibration, development of TMDL scenarios, and development of TMDL implementation plans.

The Kickapoo Creek, Big Creek, Big Ditch, and Salt Creek TMDL development activities did not result in final TMDL reports for those watersheds. Instead, Watershed Protection Plans (WPP) were completed for each of these areas. The change from TMDL to WPP was caused due to the parameter for TMDL development for those specific waterbody segments being delisted from the 2020/2022 Integrated Report. The WPP contains all of the information collected during this process and will be available for future TMDL development in the event that the parameter/waterbody segment is relisted on the 303(d) list.

\* The TMDL process (Stage 1 to Stage 3) in Illinois can take up to 7 – 10 years to complete. As Section 319 Work Plans are a maximum of 5 years, multiple Section 319 Work Plans are used to accomplish development of the TMDL. The Stage 1 work (watershed characterization, data analysis, and methodology selection) was completed under a previous Section 319 workplan(s). The final TMDL reports were completed under the FY20 Section 319 grant award.

**Project Reports and Other Informational Materials:**

Kickapoo Creek Watershed Protection Plan – August 2024

Big Creek Watershed Protection Plan – August 2024

Big Ditch Watershed Protection Plan – August 2024

Saline Branch TMDL Report – August 2024

Little Wabash River/Green Creek TMDL Report – August 2024

Salt Creek Watershed Protection Plan – August 2024

Rock River/Pierce Lake TMDL Report – August 2024

Kyte River TMDL Report – August 2024

20 -0(319)AH

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## 8. Ongoing Projects – Open Section 319 Grants

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

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

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

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

**Project Location:** Madison and Macoupin Counties

**Waterbody Name (ID):** Multiple waterbodies, including: Indian Creek (IL\_JQA-01) and Cahokia Creek (IL\_JQ-03 and IL\_JQ-05)

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

**Project Period:** March 11, 2022 through September 30, 2025

|                            |                |                                |                |
|----------------------------|----------------|--------------------------------|----------------|
| <b>Total Project Cost:</b> | \$1,572,288.41 | <b>Cumulative Expenditure:</b> | \$1,664,684.80 |
| <b>Federal:</b>            | \$ 861,847.04  | <b>Federal:</b>                | \$ 703,777.87  |
| <b>State and Local:</b>    | \$ 710,441.37  | <b>State and Local:</b>        | \$ 960,906.93  |

| <b>Project Milestone</b>                   | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|--------------------------------------------|------------------------|-------------------------|-----------------|
| Project Coordination                       | 06/30/25               | No                      | Ongoing         |
| Draft BMP Strategy                         | 06/30/22               | Yes                     |                 |
| Final BMP Strategy                         | 08/31/22               | Yes                     |                 |
| Complete Implementation of BMP Strategy    | 06/30/25               | No                      | Ongoing         |
| Draft Outreach and Information Strategy    | 06/30/22               | Yes                     |                 |
| Final Outreach and Information Strategy    | 08/31/22               | Yes                     |                 |
| Complete Outreach and Information Strategy | 06/30/24               | No                      | Ongoing         |
| Draft Project Report                       | 05/15/25               | No                      | Ongoing         |
| Final Project Report                       | 07/31/25               | No                      |                 |

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

**Project Reports and Other Informational Materials:**

**BMP Implementation Summary:**

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

21-09 (319) JE

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

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

**NPS Program:** Monitoring/Evaluation

**Project Location:** Statewide

**Waterbody Name (ID):** Multiple

**Subgrantee:** TBD

**Project Period:** TBD through TBD

|                            |              |                                |        |
|----------------------------|--------------|--------------------------------|--------|
| <b>Total Project Cost:</b> | \$800,000.00 | <b>Cumulative Expenditure:</b> | \$0.00 |
| <b>Federal:</b>            | \$200,000.00 | <b>Federal:</b>                | \$0.00 |
| <b>State and Local:</b>    | \$600,000.00 | <b>State and Local:</b>        | \$0.00 |

| <b>Project Milestone</b> | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|--------------------------|------------------------|-------------------------|-----------------|
| TBD                      | TBD                    | No                      |                 |

**Comments:** This grant agreement has not yet been executed.

**Project Reports and Other Informational Materials:**

22-0 (319) AH

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

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

**NPS Program:** Hydrologic Modification/Wetlands and Silviculture

**Project Location:** Jackson County

**Waterbody Name (ID):** Kinkaid Lake (IL\_RNC).

**Subgrantee:** Kinkaid-Reed's Creek Conservancy District 1762

Water Plant Road  
Murphysboro, Illinois 62966

**Project Period:** October 4, 2023 through December 31, 2025

|                            |              |                                |             |
|----------------------------|--------------|--------------------------------|-------------|
| <b>Total Project Cost:</b> | \$519,706.34 | <b>Cumulative Expenditure:</b> | \$64,153.00 |
| <b>Federal:</b>            | \$311,823.80 | <b>Federal:</b>                | \$ 5,715.95 |
| <b>State and Local:</b>    | \$207,882.53 | <b>State and Local:</b>        | \$58,437.05 |

| <b>Project Milestone</b>             | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|--------------------------------------|------------------------|-------------------------|-----------------|
| Project Coordination                 | 06/30/25               | Ongoing                 |                 |
| BMP Documentation Form P1 and Design | 05/31/25               | Yes                     |                 |
| O&M Plan                             | 05/31/25               | Yes                     |                 |
| Sign Design                          | 05/31/24               | Yes                     |                 |
| Landowner Agreement                  | 07/31/24               | Yes                     |                 |
| Complete BMP Implementation          | 05/30/26               | No                      |                 |
| BMP Invoice/Photo Documentation      | 06/30/26               | No                      |                 |
| Draft Educational Sign Design        | 05/31/24               | Yes                     |                 |
| Final Educational Sign Design        | 09/30/24               | Yes                     |                 |
| Install Educational Sign             | 04/30/26               | No                      |                 |
| Draft Project Report                 | 05/30/26               | No                      |                 |
| Final Project Report                 | 06/30/26               | No                      |                 |

**Comments:**

**Project Reports and Other Informational Materials:**

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

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

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

**Project Location:** Winnebago County

**Waterbody Name (ID):** Buckbee Creek (IL\_P-23) and South Fork Kent Creek (IL\_PSA)).

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

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

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$535,001.85 | <b>Cumulative Expenditure:</b> | \$390,085.84 |
| <b>Federal:</b>            | \$299,942.12 | <b>Federal:</b>                | \$163,395.78 |
| <b>State and Local:</b>    | \$235,059.73 | <b>State and Local:</b>        | \$226,690.06 |

| <b>Project Milestone</b>                | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|-----------------------------------------|------------------------|-------------------------|-----------------|
| Project Coordination                    | 08/15/25               | Ongoing                 |                 |
| Draft Outreach and Info Strategy        | 10/31/23               | Yes                     |                 |
| Final Outreach and Info Strategy        | 12/31/23               | Yes                     |                 |
| Complete Implementation of I/O Strategy | 07/15/25               | Yes                     |                 |
| BMP Documentation Form P1 and Design    | 01/26/24               | Yes                     |                 |
| O&M Plan                                | 01/26/24               | Yes                     |                 |
| Sign Design                             | 01/26/24               | Yes                     |                 |
| Landowner Agreement                     | 01/26/24               | Yes                     |                 |
| Complete BMP Implementation             | 07/15/25               | Yes                     |                 |
| BMP Invoice/Photo Documentation         | 09/15/25               | No                      |                 |
| Draft Project Report                    | 07/15/25               | Yes                     |                 |
| Final Project Report                    | 09/15/25               | No                      |                 |

**Comments:**

- Bioretention at Ken Rock Park scheduled to be completed

**Project Reports and Other Informational Materials:**

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

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

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

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

**Project Location:** Peoria, Fulton and Knox Counties **Waterbody**

**Name (ID):** Kickapoo Creek (IL\_DL-01) and tributaries

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

**Project Period:** October 23, 2023 through November 30, 2025

|                            |              |                                |             |
|----------------------------|--------------|--------------------------------|-------------|
| <b>Total Project Cost:</b> | \$100,000.00 | <b>Cumulative Expenditure:</b> | \$97,272.48 |
| <b>Federal:</b>            | \$ 60,000.00 | <b>Federal:</b>                | \$58,363.48 |
| <b>State and Local:</b>    | \$ 40,000.00 | <b>State and Local:</b>        | \$38,909.00 |

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

**Comments:**

**Project Reports and Other Informational Materials:**

**FEDERAL FISCAL YEAR 2022 (WATERSHED PROJECT FUNDS) - 999520022**

**Title:** [Levings Lake Stormwater Wetland](#)

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

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

**Project Location:** Winnebago County

**Waterbody Name (ID):** South Fork Kent Creek (IL\_PSA).

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

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

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$300,000.00 | <b>Cumulative Expenditure:</b> | \$256,028.22 |
| <b>Federal:</b>            | \$180,000.00 | <b>Federal:</b>                | \$153,616.93 |
| <b>State and Local:</b>    | \$120,000.00 | <b>State and Local:</b>        | \$102,411.29 |

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

**Comments:**

**Project Reports and Other Informational Materials:**

**BMP Implementation Summary:**

| BMP Code | BMP Name                  | Amount    | Sediment (tons/year) | Phosphorus (lbs/year) | Estimated Load Reduction TSS (lbs/year) | Nitrogen (lbs/year) |
|----------|---------------------------|-----------|----------------------|-----------------------|-----------------------------------------|---------------------|
| 800      | Urban Stormwater Wetlands | 3.1 acres | 13.4                 | 25                    |                                         | 78                  |
| 835      | Urban Filter Strip        | 0.8 acres | 2.2                  | 5                     |                                         | 24                  |



22-06 (319) RA

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

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

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

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

**Project Location:** DuPage County

**Waterbody Name (ID):** Winfield Creek (IL\_GBKF-01).

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

**Project Period:** July 31, 2023 through July 15, 2026

|                            |              |                                |        |
|----------------------------|--------------|--------------------------------|--------|
| <b>Total Project Cost:</b> | \$912,330.00 | <b>Cumulative Expenditure:</b> | \$0.00 |
| <b>Federal:</b>            | \$547,398.00 | <b>Federal:</b>                | \$0.00 |
| <b>State and Local:</b>    | \$364,932.00 | <b>State and Local:</b>        | \$0.00 |

| <b>Project Milestone</b>                       | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|------------------------------------------------|------------------------|-------------------------|-----------------|
| Project Coordination                           | 04/30/25               | Ongoing                 |                 |
| BMP Documentation Form P1 and Design           | 10/13/23               | Yes                     |                 |
| O&M Plan                                       | 10/13/23               | Yes                     |                 |
| Sign Design                                    | 10/13/23               | Yes                     |                 |
| Landowner Agreement                            | 10/13/23               | Yes                     |                 |
| Complete BMP Implementation                    | 11/30/25               | No                      |                 |
| BMP Invoice/Photo Documentation                | 01/30/26               | No                      |                 |
| First Newsletter article and social media post | 08/30/23               | Yes                     |                 |
| Final Newsletter article and social media post | 04/14/26               | No                      |                 |
| Draft Sign Design                              | 10/13/23               | Yes                     |                 |
| Final Sign Design                              | 01/13/24               | Yes                     |                 |
| Sign Installation                              | 01/10/26               | No                      |                 |
| Draft Project Report                           | 11/30/25               | No                      |                 |
| Final Project Report                           | 02/28/26               | No                      |                 |

**Comments:**

**Project Reports and Other Informational Materials:**

22-07 (319) JE

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

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

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

**Project Location:** McLean County

**Waterbody Name (ID):** Lake Bloomington (IL\_RDO) and Evergreen Lake (IL\_SDA).

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

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

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$344,654.50 | <b>Cumulative Expenditure:</b> | \$287,021.64 |
| <b>Federal:</b>            | \$159,354.50 | <b>Federal:</b>                | \$132,029.96 |
| <b>State and Local:</b>    | \$185,300.00 | <b>State and Local:</b>        | \$154,991.68 |

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

**Comments:**

**Project Reports and Other Informational Materials:**

**BMP Implementation Summary:**

| BMP Code | BMP Name                            | Amount    | Sediment (tons/year) | Phosphorus (lbs/year) | Estimated Load Reduction |                     |
|----------|-------------------------------------|-----------|----------------------|-----------------------|--------------------------|---------------------|
|          |                                     |           |                      |                       | TSS (lbs/year)           | Nitrogen (lbs/year) |
| 580      | Streambank and Shoreline Protection | 1,670 ft. | 66.1                 | 34                    | -                        | 47                  |
| 587      | Structure for Water Control         | 1         | N/A                  | 8                     |                          | 214                 |
| 657      | Wetland Restoration                 | 2.5 ac    | 17.8                 | 14                    |                          | 681                 |
| 657      | Wetland Restoration                 | 0.17 ac   | 0.02                 | 13                    |                          | 34                  |



22-08 (319) RA

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

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

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

**Project Location:** Madison and Bond Counties

**Waterbody Name (ID):** Highland Silver Lake (IL\_ROZA).

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

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

|                            |                |                                |              |
|----------------------------|----------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$1,171,398.45 | <b>Cumulative Expenditure:</b> | \$499,002.15 |
| <b>Federal:</b>            | \$660,121.45   | <b>Federal:</b>                | \$281,187.28 |
| <b>State and Local:</b>    | \$511,277.00   | <b>State and Local:</b>        | \$217,814.87 |

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

**Comments:**

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

**Project Reports and Other Informational Materials:**

22-09 (319) JE

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**Title:** [Lake Glenview Lakeshore Stabilization](#)

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

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

**NPS Program:** Hydrologic Modification

**Project Location:** Lake County

**Waterbody Name (ID):** West Fork North Branch Chicago River (IL\_HCCB-05).

**Subgrantee:** Village of Glenview

2500 East Lake Avenue Glenview,  
Illinois 60026

**Project Period:** TBD through TBD

|                            |              |                                |        |
|----------------------------|--------------|--------------------------------|--------|
| <b>Total Project Cost:</b> | \$252,000.00 | <b>Cumulative Expenditure:</b> | \$0.00 |
| <b>Federal:</b>            | \$151,200.00 | <b>Federal:</b>                | \$0.00 |
| <b>State and Local:</b>    | \$100,800.00 | <b>State and Local:</b>        | \$0.00 |

| <b>Project<br/>Milestone</b> | <b>Completion<br/>Date</b> | <b>Completed<br/>Yes/No</b> | <b>Comments</b> |
|------------------------------|----------------------------|-----------------------------|-----------------|
| TBD                          | TBD                        | No                          |                 |

**Comments:** This grant agreement was not executed and grantee has withdrawn from grant.

**Project Reports and Other Informational Materials:**

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

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

**NPS Program:** Agriculture

**Project Location:** Jefferson County

**Waterbody Name (ID):** Rend Lake (IL\_RNB) and multiple tributaries.

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

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

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$358,197.42 | <b>Cumulative Expenditure:</b> | \$295,094.06 |
| <b>Federal:</b>            | \$214,848.86 | <b>Federal:</b>                | \$173,219.06 |
| <b>State and Local:</b>    | \$143,348.56 | <b>State and Local:</b>        | \$121,875.00 |

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

**Comments:**

**Project Reports and Other Informational Materials:**

**BMP Implementation Summary:**

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

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

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

**NPS Program:** Hydrologic Modification

**Project Location:** Carroll County

**Waterbody Name (ID):** Lake Carroll (IL\_RMQ).

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

**Project Period:** NA

|                            |        |                                |        |
|----------------------------|--------|--------------------------------|--------|
| <b>Total Project Cost:</b> | \$0.00 | <b>Cumulative Expenditure:</b> | \$0.00 |
| <b>Federal:</b>            | \$0.00 | <b>Federal:</b>                | \$0.00 |
| <b>State and Local:</b>    | \$0.00 | <b>State and Local:</b>        | \$0.00 |

| <b>Project Milestone</b> | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|--------------------------|------------------------|-------------------------|-----------------|
|--------------------------|------------------------|-------------------------|-----------------|

**Comments:** This project was withdrawn by the applicant.

**Project Reports and Other Informational Materials:**

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

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

**NPS Program:** Hydrologic Modification

**Project Location:** Vermilion County

**Waterbody Name (ID):** Lake Vermilion (IL\_RBD).

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

**Project Period:** November 02, 2023 through November 30, 2025

|                            |              |                                |             |
|----------------------------|--------------|--------------------------------|-------------|
| <b>Total Project Cost:</b> | \$299,690.00 | <b>Cumulative Expenditure:</b> | \$25,488.87 |
| <b>Federal:</b>            | \$178,502.00 | <b>Federal:</b>                | \$15,181.41 |
| <b>State and Local:</b>    | \$121,188.00 | <b>State and Local:</b>        | \$10,307.46 |

| <b>Project Milestone</b>             | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|--------------------------------------|------------------------|-------------------------|-----------------|
| Project Coordination                 | 08/30/25               | Ongoing                 |                 |
| BMP Documentation Form P1 and Design | 12/15/23               | Yes                     |                 |
| O&M Plan                             | 12/15/23               | Yes                     |                 |
| Sign Design                          | 12/15/23               | Yes                     |                 |
| Landowner Agreement                  | 12/15/23               | No                      |                 |
| Complete BMP Implementation          | 05/30/25               | No                      |                 |
| BMP Invoice/Photo Documentation      | 07/15/25               | No                      |                 |
| Draft Project Report                 | 05/30/25               | No                      |                 |
| Final Project Report                 | 07/31/25               | No                      |                 |

**Comments:** Contract was terminated on 8/12/2025 due to multiple landowners dropping out of project and construction not being implemented during the contracted period of time.

**Project Reports and Other Informational Materials:**

22-17 (319) DS/KC

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**FEDERAL FISCAL YEAR 2023 (NPS PROGRAM FUNDS) - 99520023**

**Title:** 2025 Cycle Total Maximum Daily Load and Implementation Plan Development – Stage 1 Development

**Purpose:** This project will develop Stage 1 components for TMDLs for waterbodies listed on Illinois' 303(d) List of Impaired Waters. This project will be implemented by an outside consulting firm. The contracting is accomplished through the Invitation for Bid (IFB) process. The project's watersheds, assessment unit IDs, hydrologic unit codes, and parameters have yet to be determined. The final waterbody and watershed information for the Stage 1 TMDL development project will be provided to US EPA prior to start of the Stage 1 TMDL development activities.

Stage 1 TMDL work includes the watershed characterization, data analysis, and methodology selection. The TMDL development includes stakeholder participation and when both Stage 1 and Stage 3 are complete, the implementation plan will meet U.S. EPA's nine minimum elements for a watershed-based plan.

The Stage 3 TMDL work (model calibration, development of TMDL scenarios, and development of a TMDL implementation plan) for these watersheds will be completed under a subsequent Section 319 work plan or using State funds.

If a waterbody slated for TMDL development under this Work Plan is delisted, the project scope of work will change from development of a TMDL to development of a Watershed Protection Plan (WPP). The WPP will contain all the information collected during the TMDL development process and will be made available for future TMDL development if the parameter/waterbody segment is relisted on the 303(d) list.

**NPS Program:** Monitoring/Evaluation

**Project Location:** Statewide

**Waterbody Name (ID):** Multiple

**Subgrantee:** TBD

**Project Period:** TBD through TBD

|                            |              |                                |        |
|----------------------------|--------------|--------------------------------|--------|
| <b>Total Project Cost:</b> | \$350,000.00 | <b>Cumulative Expenditure:</b> | \$0.00 |
| <b>Federal:</b>            | \$247,800.00 | <b>Federal:</b>                | \$0.00 |
| <b>State and Local:</b>    | \$102,200.00 | <b>State and Local:</b>        | \$0.00 |

| <b>Project Milestone</b> | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|--------------------------|------------------------|-------------------------|-----------------|
| TBD                      | TBD                    | No                      |                 |

**Comments:**

**Project Reports and Other Informational Materials:**

23-0 (319) AH

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

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

**NPS Program:** Agriculture; Hydrological Modifications/Wetlands

**Project Location:** Macon County

**Waterbody Name (ID):** Sangamon River (IL\_E-95) and Lake Decatur (IL\_REA).

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

**Project Period:** February 5, 2025 through December 31, 2026

|                            |              |                                |             |
|----------------------------|--------------|--------------------------------|-------------|
| <b>Total Project Cost:</b> | \$602,775.01 | <b>Cumulative Expenditure:</b> | \$41,202.08 |
| <b>Federal:</b>            | \$349,665.01 | <b>Federal:</b>                | \$24,721.25 |
| <b>State and Local:</b>    | \$253,110.00 | <b>State and Local:</b>        | \$16,480.83 |

| <b>Project Milestone</b>              | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|---------------------------------------|------------------------|-------------------------|-----------------|
| Project Coordination                  | 09/30/26               | Ongoing                 |                 |
| BMP Documentation Form P1 and Design  | 08/01/25               | Yes                     |                 |
| O&M Plan                              | 08/01/25               | Yes                     |                 |
| Sign Design                           | 06/01/25               | Yes                     |                 |
| Landowner Agreement                   | 08/01/25               | Yes                     |                 |
| Final Day to Start BMP Implementation | 03/01/26               | No                      |                 |
| Complete BMP Implementation           | 06/01/26               | No                      |                 |
| BMP Invoice/Photo Documentation       | 06/30/26               | No                      |                 |
| WBP Strategy                          | 08/01/25               | Yes                     |                 |
| Implement WBP Strategy                | 08/01/26               | No                      |                 |
| Final Project Report                  | 08/01/26               | No                      |                 |

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** [Crystal Creek Daylighting Project](#)

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

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

**Project Location:** McHenry County

**Waterbody Name (ID):** Crystal Creek (IL\_DTZR-01)

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

**Project Period:** TBD through TBD

|                            |              |                                |    |
|----------------------------|--------------|--------------------------------|----|
| <b>Total Project Cost:</b> | \$798,575.00 | <b>Cumulative Expenditure:</b> | \$ |
| <b>Federal:</b>            | \$479,145.00 | <b>Federal:</b>                | \$ |
| <b>State and Local:</b>    | \$319,430.00 | <b>State and Local:</b>        | \$ |

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

**Comments:** Grant agreement has not been executed.

**Project Reports and Other Informational Materials:**

23-03 (319) CD

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

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

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

**Project Location:** McHenry County

**Waterbody Name (ID):** Crystal Creek (IL\_DTZR-01)

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

**Project Period:** December 24, 2024 through December 31, 2026

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$479,978.00 | <b>Cumulative Expenditure:</b> | \$118,123.50 |
| <b>Federal:</b>            | \$287,986.80 | <b>Federal:</b>                | \$ 70,874.10 |
| <b>State and Local:</b>    | \$191,991.20 | <b>State and Local:</b>        | \$ 47,249.40 |

| Project Milestone                     | Completion Date | Completed Yes/No | Comments |
|---------------------------------------|-----------------|------------------|----------|
| Project Coordination                  | 10/07/26        | Ongoing          |          |
| BMP Documentation Form P1 and Design  | 05/30/25        | Yes              |          |
| O&M Plan                              | 05/30/25        | Yes              |          |
| Sign Design                           | 05/07/25        | Yes              |          |
| Landowner Agreement                   | 05/07/25        | Yes              |          |
| Final Day to Start BMP Implementation | 12/08/25        | No               |          |
| Complete BMP Implementation           | 06/11/26        | No               |          |
| BMP Invoice/Photo Documentation       | 09/07/26        | No               |          |
| Sign Design                           | 05/07/26        | Yes              |          |
| Sign Installation                     | 08/05/26        | No               |          |
| Draft Project Report                  | 07/24/26        | No               |          |
| Final Project Report                  | 09/07/26        | No               |          |

**Comments:**

**Project Reports and Other Informational Materials:**

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

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

**NPS Program:** Urban Runoff/Stormwater

**Project Location:** DuPage County

**Waterbody Name (ID):** Armitage Creek (IL\_GBLG)

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

**Project Period:** March 3, 2025 through December 15, 2026

|                            |                |                                |        |
|----------------------------|----------------|--------------------------------|--------|
| <b>Total Project Cost:</b> | \$1,032,306.25 | <b>Cumulative Expenditure:</b> | \$0.00 |
| <b>Federal:</b>            | \$ 619,383.75  | <b>Federal:</b>                | \$0.00 |
| <b>State and Local:</b>    | \$ 412,922.50  | <b>State and Local:</b>        | \$0.00 |

| <b>Project Milestone</b>              | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|---------------------------------------|------------------------|-------------------------|-----------------|
| Project Coordination                  | 09/01/26               | Ongoing                 |                 |
| BMP Documentation Form P1 and Design  | 10/31/25               | No                      |                 |
| O&M Plan                              | 10/31/25               | No                      |                 |
| Sign Design                           | 10/31/25               | No                      |                 |
| Landowner Agreement                   | 10/31/25               | No                      |                 |
| Final Day to Start BMP Implementation | 05/31/26               | No                      |                 |
| Complete BMP Implementation           | 06/30/26               | No                      |                 |
| BMP Invoice/Photo Documentation       | 07/31/26               | No                      |                 |
| Outreach Strategy                     | 10/31/25               | No                      |                 |
| Complete Outreach Strategy            | 06/30/26               | No                      |                 |
| Final Project Report                  | 07/31/26               | No                      |                 |

**Comments:**

**Project Reports and Other Informational Materials:**

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

**Purpose:** This project will implement best management practices (BMPs) on Wheeling Drainage Ditch (IL\_GS\_01) in the Buffalo Creek/Wheeling Drainage Ditch Watershed (HUC 071200040502). Streambank stabilization BMP techniques will include floodplain benching, riffles, rock toe, gabion baskets, and permanent vegetative cover. This project is located on the primary reach of the Buffalo Creek/Wheeling Drainage Ditch Watershed, a 17,152-acre watershed that is tributary to the Des Plaines River. The purpose of this project is to use biotechnical strategies to stabilize 4,800 linear feet of streambank along Wheeling Drainage Ditch between Northgate Parkway and Dundee Road, on both banks.

**NPS Program:** Urban Runoff/Stormwater; Hydrologic Modification

**Project Location:** County

**Waterbody Name (ID):** Wheeling Drainage Ditch (IL\_GS\_01)

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

**Project Period:** February 5, 2025 through December 31, 2026

|                            |                |                                |        |
|----------------------------|----------------|--------------------------------|--------|
| <b>Total Project Cost:</b> | \$2,728,100.00 | <b>Cumulative Expenditure:</b> | \$0.00 |
| <b>Federal:</b>            | \$1,636,860.00 | <b>Federal:</b>                | \$0.00 |
| <b>State and Local:</b>    | \$1,091,240.00 | <b>State and Local:</b>        | \$0.00 |

| <b>Project Milestone</b>              | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|---------------------------------------|------------------------|-------------------------|-----------------|
| Project Coordination                  | 12/31/26               | Ongoing                 |                 |
| BMP Documentation Form P1 and Design  | 04/30/26               | No                      |                 |
| O&M Plan                              | 04/30/26               | No                      |                 |
| Sign Design                           | 04/30/26               | No                      |                 |
| Landowner Agreement                   | 04/30/26               | No                      |                 |
| Final Day to Start BMP Implementation | 10/01/26               | No                      |                 |
| Complete BMP Implementation           | 12/01/26               | No                      |                 |
| BMP Invoice/Photo Documentation       | 12/01/26               | No                      |                 |
| Final Project Report                  | 12/01/26               | No                      |                 |

**Comments:**

**Project Reports and Other Informational Materials:**

23-02 (319) KC

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

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

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

**Project Location:** County

**Waterbody Name (ID):**

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

**Project Period:** March 11, 2025 through November 15, 2026

|                            |              |                                |        |
|----------------------------|--------------|--------------------------------|--------|
| <b>Total Project Cost:</b> | \$186,000.00 | <b>Cumulative Expenditure:</b> | \$0.00 |
| <b>Federal:</b>            | \$111,600.00 | <b>Federal:</b>                | \$0.00 |
| <b>State and Local:</b>    | \$ 74,400.00 | <b>State and Local:</b>        | \$0.00 |

| <b>Project Milestone</b>              | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|---------------------------------------|------------------------|-------------------------|-----------------|
| Project Coordination                  | 10/31/26               | Ongoing                 |                 |
| BMP Documentation Form P1 and Design  | 01/31/26               | No                      |                 |
| O&M Plan                              | 01/31/26               | No                      |                 |
| Sign Design                           | 01/31/26               | No                      |                 |
| Landowner Agreement                   | 01/31/26               | No                      |                 |
| Final Day to Start BMP Implementation | 06/30/26               | No                      |                 |
| Complete BMP Implementation           | 08/31/26               | No                      |                 |
| BMP Invoice/Photo Documentation       | 09/30/26               | No                      |                 |
| Final Project Report                  | 09/30/26               | No                      |                 |

**Comments:**

**Project Reports and Other Informational Materials:**

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

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

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

**Project Location:** County

**Waterbody Name (ID):** Hells Branch (IL\_MNEAE) and Apple Canyon Lake (IL\_RMJ)

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

**Project Period:** February 5, 2025 through January 31, 2027

|                            |              |                                |              |
|----------------------------|--------------|--------------------------------|--------------|
| <b>Total Project Cost:</b> | \$557,732.00 | <b>Cumulative Expenditure:</b> | \$444,426.29 |
| <b>Federal:</b>            | \$334,639.20 | <b>Federal:</b>                | \$266,655.78 |
| <b>State and Local:</b>    | \$223,092.80 | <b>State and Local:</b>        | \$177,770.51 |

| <b>Project Milestone</b>              | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|---------------------------------------|------------------------|-------------------------|-----------------|
| Project Coordination                  | 11/02/26               | Ongoing                 |                 |
| BMP Documentation Form P1 and Design  | 06/30/25               | Yes                     |                 |
| O&M Plan                              | 06/30/25               | Yes                     |                 |
| Sign Design                           | 06/30/25               | Yes                     |                 |
| Landowner Agreement                   | 06/30/25               | Yes                     |                 |
| Final Day to Start BMP Implementation | 02/01/26               | Yes                     |                 |
| Complete BMP Implementation           | 08/30/26               | Yes                     |                 |
| BMP Invoice/Photo Documentation       | 10/31/26               | Yes                     |                 |
| Draft Sign Design                     | 06/30/25               | Yes                     |                 |
| Sign Installation                     | 09/30/26               | No                      |                 |
| Final Project Report                  | 08/15/26               | No                      |                 |

**Comments:**

**Project Reports and Other Informational Materials:**

23-05 (319) DS/JE

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

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

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

**Project Location:** County

**Waterbody Name (ID):** Klein Creek (IL\_GBKC-01)

**Subgrantee:** Village of Carol Stream  
EngineeringServices  
500 N Gary Ave  
Carol Stream, IL 60188

**Project Period:** March 3, 2025 through May 30, 2027

|                            |                |                                |        |
|----------------------------|----------------|--------------------------------|--------|
| <b>Total Project Cost:</b> | \$2,759,559.25 | <b>Cumulative Expenditure:</b> | \$0.00 |
| <b>Federal:</b>            | \$1,000,000.00 | <b>Federal:</b>                | \$0.00 |
| <b>State and Local:</b>    | \$1,759,559.25 | <b>State and Local:</b>        | \$0.00 |

| Project Milestone                     | Completion Date | Completed Yes/No | Comments |
|---------------------------------------|-----------------|------------------|----------|
| Project Coordination                  | 05/01/27        | Ongoing          |          |
| BMP Documentation Form P1 and Design  | 07/11/25        | Yes              |          |
| O&M Plan                              | 07/11/25        | Yes              |          |
| Sign Design                           | 07/04/25        | Yes              |          |
| Landowner Agreement                   | 11/16/25        | No               |          |
| Final Day to Start BMP Implementation | 03/31/26        | No               |          |
| Complete BMP Implementation           | 12/31/26        | No               |          |
| BMP Invoice/Photo Documentation       | 03/31/27        | No               |          |
| Final Outreach Strategy               | 05/23/25        | Yes              |          |
| Complete Outreach Strategy            | 07/29/26        | No               |          |
| Final Project Report                  | 12/31/26        | No               |          |

**Comments:**

**Project Reports and Other Informational Materials:**

23-06 (319) KC

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

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

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

**Project Location:** Will County

**Waterbody Name (ID):** Milne Creek (IL\_GHB)

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

**Project Period:** March 3, 2025 through November 15, 2026

|                            |              |                                |             |
|----------------------------|--------------|--------------------------------|-------------|
| <b>Total Project Cost:</b> | \$488,000.00 | <b>Cumulative Expenditure:</b> | \$99,517.50 |
| <b>Federal:</b>            | \$292,800.00 | <b>Federal:</b>                | \$59,710.50 |
| <b>State and Local:</b>    | \$195,200.00 | <b>State and Local:</b>        | \$39,807.00 |

| <b>Project Milestone</b>              | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|---------------------------------------|------------------------|-------------------------|-----------------|
| Project Coordination                  | 10/31/26               | Ongoing                 |                 |
| BMP Documentation Form P1 and Design  | 10/31/25               | No                      |                 |
| O&M Plan                              | 10/31/25               | No                      |                 |
| Sign Design                           | 10/31/25               | No                      |                 |
| Landowner Agreement                   | 10/31/25               | No                      |                 |
| Final Day to Start BMP Implementation | 05/31/26               | No                      |                 |
| Complete BMP Implementation           | 09/30/26               | No                      |                 |
| BMP Invoice/Photo Documentation       | 10/31/26               | No                      |                 |
| Final Project Report                  | 09/30/26               | No                      |                 |

**Comments:**

**Project Reports and Other Informational Materials:**

**Title:** [Wood River 319 Implementation](#)

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

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

**Project Location:** County

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

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

**Project Period:** February 16, 2025 through May 31, 2027

|                            |              |                                |             |
|----------------------------|--------------|--------------------------------|-------------|
| <b>Total Project Cost:</b> | \$770,319.26 | <b>Cumulative Expenditure:</b> | \$20,916.81 |
| <b>Federal:</b>            | \$454,518.15 | <b>Federal:</b>                | \$12,114.75 |
| <b>State and Local:</b>    | \$315,801.11 | <b>State and Local:</b>        | \$ 8,802.06 |

| <b>Project Milestone</b>                | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|-----------------------------------------|------------------------|-------------------------|-----------------|
| Project Coordination                    | 03/01/27               | Ongoing                 |                 |
| Final BMP Strategy                      | 05/30/25               | Yes                     |                 |
| Final Day to Start BMP Implementation   | 10/31/26               | No                      |                 |
| Complete Implementation of BMP Strategy | 02/12/27               | No                      |                 |
| Final Outreach Strategy                 | 05/30/25               | No                      |                 |
| Complete Outreach Strategy              | 02/12/27               | Yes                     |                 |
| Draft Project Report                    | 02/12/27               | No                      |                 |
| Final Project Report                    | 06/30/27               | No                      |                 |

**Comments:**

**Project Reports and Other Informational Materials:**

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

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

**NPS Program:** Agriculture; Hydrologic Modification

**Project Location:** Sangamon County

**Waterbody Name (ID):** Lake Springfield (IL\_REF)

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

**Project Period:** April 16, 2025 through July 31, 2027

|                            |              |                                |            |
|----------------------------|--------------|--------------------------------|------------|
| <b>Total Project Cost:</b> | \$695,982.28 | <b>Cumulative Expenditure:</b> | \$8,281.02 |
| <b>Federal:</b>            | \$417,589.36 | <b>Federal:</b>                | \$4,968.61 |
| <b>State and Local:</b>    | \$278,392.92 | <b>State and Local:</b>        | \$3,312.41 |

| Project Milestone                       | Completion Date | Completed Yes/No | Comments |
|-----------------------------------------|-----------------|------------------|----------|
| Project Coordination                    | 04/30/27        | Ongoing          |          |
| BMP Strategy                            | 06/30/25        | Yes              |          |
| Complete Implementation of BMP Strategy | 03/15/27        | No               |          |
| BMP Documentation Form P1 and Design    | 12/31/25        | No               |          |
| O&M Plan                                | 12/31/25        | No               |          |
| Sign Design                             | 05/30/25        | Yes              |          |
| Landowner Agreement                     | 12/31/25        | No               |          |
| Complete BMP Implementation             | 03/15/27        | No               |          |
| BMP Invoice/Photo Documentation         | 03/31/27        | No               |          |
| Final Outreach Strategy                 | 05/30/25        | Yes              |          |
| Complete Outreach Strategy              | 03/15/27        | No               |          |
| Final Project Report                    | 03/31/27        | No               |          |

**Comments:**

**Project Reports and Other Informational Materials:**

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

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

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

**Project Location:** Winnebago County

**Waterbody Name (ID):** Madigan Creek and the Kishwaukee River (IL\_PQ-02)

**Subgrantee:** County of Winnebago

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

**Project Period:** June 6, 2025 through September 30, 2027

|                            |                |                                |        |
|----------------------------|----------------|--------------------------------|--------|
| <b>Total Project Cost:</b> | \$1,965,000.00 | <b>Cumulative Expenditure:</b> | \$0.00 |
| <b>Federal:</b>            | \$1,179,000.00 | <b>Federal:</b>                | \$0.00 |
| <b>State and Local:</b>    | \$ 786,000.00  | <b>State and Local:</b>        | \$0.00 |

| <b>Project Milestone</b>             | <b>Completion Date</b> | <b>Completed Yes/No</b> | <b>Comments</b> |
|--------------------------------------|------------------------|-------------------------|-----------------|
| Project Coordination                 | 06/30/27               | Ongoing                 |                 |
| BMP Documentation Form P1 and Design | 11/30/25               | No                      |                 |
| O&M Plan                             | 11/30/25               | No                      |                 |
| Sign Design                          | 11/30/25               | No                      |                 |
| Landowner Agreement                  | 11/30/25               | No                      |                 |
| Complete BMP Implementation          | 06/01/27               | No                      |                 |
| BMP Invoice/Photo Documentation      | 06/30/27               | No                      |                 |
| Final Project Report                 | 06/01/27               | No                      |                 |

**Comments:**

**Project Reports and Other Informational Materials:**