



# Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

## Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

### for NPDES Permit for Storm Water Discharges from Separate Storm Sewer Systems (MS4)

*This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. Complete each section of this report.*

Report Period: From March, 2022 To March, 2023

Permit No. ILR40 0456

#### MS4 OPERATOR INFORMATION: (As it appears on the current permit)

Name: Village of Streamwood Mailing Address 1: 565 S. Bartlett Road  
Mailing Address 2: \_\_\_\_\_ County: Cook  
City: Streamwood State: IL Zip: 60107 Telephone: 630-736-3850  
Contact Person: Matt Mann Email Address: mmann@streamwood.org  
(Person responsible for Annual Report)

#### Name(s) of governmental entity(ies) in which MS4 is located: (As it appears on the current permit)

Village of Streamwood

#### THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. Changes to best management practices (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

- |  |                          |   |                          |
|--|--------------------------|---|--------------------------|
| 1. Public Education and Outreach             | <input type="checkbox"/> | 4. Construction Site Runoff Control       | <input type="checkbox"/> |
| 2. Public Participation/Involvement          | <input type="checkbox"/> | 5. Post-Construction Runoff Control       | <input type="checkbox"/> |
| 3. Illicit Discharge Detection & Elimination | <input type="checkbox"/> | 6. Pollution Prevention/Good Housekeeping | <input type="checkbox"/> |

B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle ( including an implementation schedule.)

E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F. Attach a list of construction projects that your entity has paid for during the reporting period.

**Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))**

Owner Signature:

Matt Mann

Printed Name:

Date:

Director of Public works

Title:

EMAIL COMPLETED FORM TO: [epa.ms4annualinsp@illinois.gov](mailto:epa.ms4annualinsp@illinois.gov)

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL  
COMPLIANCE ASSURANCE SECTION #19  
1021 NORTH GRAND AVENUE EAST  
POST OFFICE BOX 19276  
SPRINGFIELD, ILLINOIS 62794-9276



## VILLAGE OF STREAMWOOD

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
NPDES PERMIT FOR STORMWATER DISCHARGES  
FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)

### 2023 ANNUAL FACILITY INSPECTION REPORT MARCH 2022 TO MARCH 2023 REPORTING PERIOD

#### A. CHANGES TO BEST MANAGEMENT PRACTICES

There were no changes to the Best Management Practices (BMPs) commitments in the Village of Streamwood's Notice of Intent (NOI) for the reporting period.

#### B. STATUS OF COMPLIANCE WITH PERMIT CONDITIONS

The Village of Streamwood is committed to implementing several BMPs in order to meet the requirements of the NPDES MS4 Permit. This section summarizes the implementation of the BMPs during the reporting period. The status or progress for each of the measurable goals related to these BMPs is presented below.

##### BMP No. A.1 Distribute Paper Material

Village newsletters periodically include information regarding material recycling, prescription drug drop-off programs, storm and flood safety information, inlet maintenance information, water quality/illegal dumping information and parkway tree information.

**Measurable Goal(s), including frequencies:** Include pollution prevention information in newsletters or on website annually.

**Milestones:** Provide pollution prevention information in newsletters or on website.

**BMP Status:** The Village participates in Cook County and Metropolitan Water Reclamation District (MWRD) efforts to provide water quality education and information. This includes written materials such as brochures, as well as links to materials on the Village and MWRD website.

The Village is a member of the DuPage River Salt Creek Workgroup, which provides local watershed area information on its website: [DuPage River Salt Creek Workgroup \(drscw.org\)](http://drscw.org)

Village newsletters periodically include information regarding material recycling, prescription drug drop-off programs, storm and flood safety information, inlet maintenance information, water quality/illegal dumping information and parkway tree information.

**BMP No. A.4 Community Event**

Host Streamwood Environmental Education Day (SEED) and Arbor Day event to distribute pollution prevention and recycling information.

**Measurable Goal(s), including frequencies:** Host SEED and Arbor Day once per year.

**Milestones:** Host SEED and Arbor Day.

**BMP Status:** The annual Streamwood Environmental Education Day (SEED) includes water quality education items. This event was held on April 29, 2023.

Education information is distributed at Arbor Day and other community events that includes topics on protecting stormwater quality. An E-waste recycling event took place on April 29, 2023.

The Village continued the Natural Resource Conservation Committee (NRCC) which holds public meetings, promotes public participation, outreach and education and education regarding water quality. Meetings allow for comments on MS4 program. NRCC handed out water quality info at SEED.

**BMP No. B.1 Public Panel**

Public meeting for information and input on the MS4 program.

**Measurable Goal(s), including frequencies:** The Village will have a Village public meeting agenda item per year dedicated to the MS4 program information and public input.

**Milestones:** Public meeting agenda item for MS4 program input.

**BMP Status:** At least one public meeting per year covers the MS4 Program for public comments or questions.

The Natural Resource Conservation Committee (NRCC) which holds public meetings, promotes public participation, outreach and education and education regarding water quality. Meetings allow for comments on MS4 program.

**BMP No. B.3 Stakeholder Meeting**

Natural Resource Conservancy Commission - public group to review Village efforts and promote environmental efforts including recycling and water quality.

**Measurable Goal(s), including frequencies:** Meet, volunteer and host events annually.

**Milestones:** Meet, volunteer and host events.

**BMP Status:** The Village participates in the DuPage River Salt Creek Workgroup for regional water quality coordination, and for regional water quality monitoring information.

The Natural Resource Conservation Committee (NRCC) which holds public meetings, promotes public participation, outreach and education and education regarding water quality. Meetings allow for comments on MS4 program.

**BMP No. B.6 Program Involvement**

MS4 Program documents and contact information on Village website.

**Measurable Goal(s), including frequencies:** Post MS4 Program documents (NOI, SMPP, annual reports) and contact information on Village website annually, for residents to provide input or voice concerns about water quality issues.

**Milestones:** Post MS4 Program documents and contact information on Village website.

**BMP Status:** The Village provides a contact number that residents can use to report stormwater related issues, including ordinance violations, construction site soil erosion and sediment control issues, maintenance issues, and illicit discharges. Residents can call the Public Works Department at 630-736-3850 with any water quality concerns, suspected pollutant discharge, or general questions. Dial 911 after normal business hours for emergencies or suspected pollutant discharges.

Local recycling and special waste disposals are publicized in the newsletter and on the Village's website.

The Stormwater Management Plan is posted to the Village's webpage, along with the MS4 Permit Notice of Intent (NOI) and annual reports for resident review and comment. Village residents can provide input on this Plan and the overall MS4 program directly to the Public Works Department.

**BMP No. C.1 Storm Sewer Map Preparation**

Maintain current atlas of storm sewer system.

**Measurable Goal(s), including frequencies:** Inventory and update storm sewer system map annually.

**Milestones:** Review and update.

**BMP Status:** Storm sewer system GIS map is updated as changes in the system occur.

**BMP No. C.2 Regulatory Control Program**

The Village has adopted and enforces its local ordinances, which provide the regulatory authority to detect, investigate and eliminate potential illicit discharges. The Village reviews the ordinances and updates its program as necessary.

**Measurable Goal(s), including frequencies:** Review ordinances annually and enforce.

**Milestones:** Review and update as needed.

**BMP Status:** The Village continues to review and enforce the ordinances.

**BMP No. C.4 Illicit Discharge Tracing Procedures**

The Village identifies illicit discharges through dry weather screening, regular storm sewer maintenance, and public reporting. Spills are responded to by Public Works, with support by local fire department staff if needed, and emergency notification to Illinois EPA and local authorities based on the situation.

**Measurable Goal(s), including frequencies:** Implement illicit discharge procedures annually.

**Milestones:** Implement illicit discharge procedures.

**BMP Status:** The Village continues to implement illicit discharge procedures. No illicit discharges were identified or reported. However, there was one resident complaint made about a truck leaking oil that was forwarded to the EPA and was cleaned up.

**BMP No. C.5 Illicit Source Removal Procedures**

Removing illicit discharges to the storm drain system.

**Measurable Goal(s), including frequencies:** Disconnect any illicit discharge source that can be identified.

**Milestones:** Implement illicit discharge removal.

**BMP Status:** The Village continues to implement illicit discharge removal. No illicit discharges were identified or reported. However, there was one resident complaint made about a truck leaking oil that was forwarded to the EPA and was cleaned up.

**BMP No. C.7 Visual Dry Weather Screening**

Screen outfalls and storm structures for signs of illicit discharges.

**Measurable Goal(s), including frequencies:** Screen outfalls and structures annually.

**Milestones:** Screen 50% of outfalls and 10% of other structures annually.

**BMP Status:** Used CIPP to line/rehab various sections of failing storm sewers in the Village. Repaired 163 storm sewer structures. The Village inspected 97% of outfalls in 2022 and plan to inspect at least 50% of outfalls in 2023.

**BMP No. D.1 Regulatory Control Program**

MWRD and Village stormwater regulations which include BMP's. The Village requires 100% of new significant development to submit and follow erosion control plans. Developers must implement stormwater best management practices (BMPs) and submit weekly construction sediment control reports. Developers must implement BMP's during active construction site activities and post construction. All site plan reviews are currently being performed by Village staff, supplemented by private wetland/stormwater consultants when necessary.

**Measurable Goal(s), including frequencies:** Enforce MWRD and Village regulations.

**Milestones:** Continue review and enforcement. Revise Village ordinances as needed with implementing state and county regulations.

**BMP Status:** The Village continues to require 100% of new significant development to submit and follow erosion control plans. The Village continues to require developers to use BMPs in all proposals and submit weekly construction sediment control reports. The Village continues to require developers to use BMPs during construction projects and post construction.

The Village enforces the Cook County Stormwater Ordinance for soil and erosion control in all private and public developments.

**BMP No. D.2 Erosion and Sediment Control BMPs**

Village requires sediment and erosion control BMP's.

**Measurable Goal(s), including frequencies:** Continue requiring BMP's and weekly inspections by developers.

**Milestones:** Weekly inspections by developers and monthly inspections by Village and construction sites.

**BMP Status:** The Village enforces the Cook County Stormwater Ordinance for soil and erosion control in all private and public developments. The Village continues to require developers to use BMPs in all proposals and submit weekly construction sediment control reports.

**BMP No. D.3 Other Waste Control Program**

Village Community Development Department enforces ordinance that requires construction site operators to control waste.

**Measurable Goal(s), including frequencies:** Village will continue to enforce the ordinance annually.

**Milestones:** Review ordinance and continue enforcement.

**BMP Status:** The Village continues to enforce the Cook County Stormwater Ordinance for soil and erosion control in all private and public developments.

**BMP No. D.4 Site Plan Review Procedures**

The Village reviews all site plans for compliance with local ordinances.

**Measurable Goal(s), including frequencies:** Review Erosion Control Plans for new development as submitted.

**Milestones:** Evaluate and update site plan review as necessary.

**BMP Status:** The Village continues to require developers to use BMPs during construction projects and post construction. The Village evaluates and updates site plan review as necessary.

**BMP No. D.6 Site Inspection/Enforcement Procedures**

Site inspections to enforce local requirements.

**Measurable Goal(s), including frequencies:** The Village will continue to inspect and require the developers to submit weekly inspection reports for active sites.

**Milestones:** Enforce and update site inspection procedures and update in accordance with new Cook County storm water ordinance.

**BMP Status:** The Village enforces the Cook County Stormwater Ordinance for soil and erosion control in all private and public developments. The Village performed site inspections during the reporting period. No illicit discharges were observed or reported.

**BMP No. E.2 Regulatory Control Program**

The Village has adopted the Cook County Stormwater Ordinance for post construction stormwater runoff control.

**Measurable Goal(s), including frequencies:** The Village will continue to require post construction BMP's.

**Milestones:** Review current regulations and evaluate for changes in conjunction with proposed Cook County ordinance.

**BMP Status:** BMPs are placed within a stormwater or drainage easement and maintained as required by the MWRD Stormwater Ordinance. The BMPs are treated as improvements and are inspected during and after construction. Stormwater

BMPs are regularly required in commercial areas to improve the quality of stormwater discharges to basins and creeks.

The Village regularly inspects detention and wetland basins, as well as other stormwater facilities. Complaints regarding public or private BMP's are addressed by Public Works staff or the Village Engineering Department.

Staff continued inspection and maintenance of developer constructed structural storm water quality control structures. The Village continued to contract with a wetland maintenance specialist contractor for long term maintenance of storm water wetland areas. The Village maintained rain gardens at Old Church Rd., Public Works, and Water Plant 1. Staff has inspected storm sewer structures and replaced/repared over 163 storm sewer structures/pipes that were in poor condition.

#### **BMP No. E.4 Pre-Construction Review of BMP Designs**

Village reviews BMP designs.

**Measurable Goal(s), including frequencies:** Village will continue to review BMP designs. BMPs are placed within a stormwater or drainage easement and maintained as required by the MWRD Stormwater Ordinance. The BMPs are treated as improvements and are inspected during and after construction. Stormwater BMPs are regularly required in commercial areas to improve the quality of stormwater discharges to basins and creeks.

**Milestones:** Review all site work plans for BMPs.

**BMP Status:** The Village continues to review al site work plans for BMPs.

#### **BMP No. E.5 Site Inspections during Construction**

Inspect Construction sites for erosion and sedimentation control.

**Measurable Goal(s), including frequencies:** Developers are required to hire professional to inspect sites on a weekly basis. The Village will also review documentation for compliance and inspection on a monthly basis.

**Milestones:** Continue inspections and review as per requirements.

**BMP Status:** The Village continues to inspect construction sites for erosion and sedimentation control. No illicit discharges were observed or reported during this repot period.

#### **BMP No. E6 Post-Construction Inspections**

Inspect post construction BMPs and documentation.

**Measurable Goal(s), including frequencies:** Inspect BMPs and require maintenance to maintain effectiveness. The Village regularly inspects detention and wetland basins, as well as other stormwater facilities. Complaints regarding public or private BMPs are addressed by Public Works staff or the Village Engineering Department.



**Milestones:** Inspect BMPs on an annual basis.

**BMP Status:** The Village continues to inspect detention and wetland basins, as well as other stormwater facilities annually. The Village continues to investigate and address complaints when received.

**BMP No. F.1 Employee Training Program**

The Public Works Department conducts regular employee training for municipal operations and safety. Annual training is provided to educate staff on pollution prevention and reduction of stormwater pollution from municipal activities. Staff also receive training through local watershed group activities and professional associations.

**Measurable Goal(s), including frequencies:** Implement the pollution prevention training program annually.

**Milestones:** Implement and review training program.

**BMP Status:** The Public Works Department conducts regular employee training for municipal operations and safety. Annual training is provided to educate staff on pollution prevention and reduction of stormwater pollution from municipal activities. Staff also receive training through local watershed group activities and professional associations. Formal training on pollution prevention and illicit discharges was conducted on March 2, 2023. 40 Public Works and other department staff attended the training.

**BMP No. F.2 Inspection and Maintenance Program**

The Village implements a storm sewer system inspection and maintenance program which includes regular cleaning and maintenance of storm sewer structures. The Village has operational policies designed to prevent stormwater pollution associated with municipal operations.

**Measurable Goal(s), including frequencies:** Implement the storm sewer system inspection and maintenance program annually.

**Milestones:** Review current program, update as needed.

**BMP Status:** The Village continues to inspect the storm and sanitary sewer systems.

**BMP No. F.3 Municipal Operations Storm Water Control**

The Village has a program to prevent stormwater pollution from maintenance operations.

**Measurable Goal(s), including frequencies:** Implement the above pollution prevention BMPs annually.

**Milestones:** Continue current pollution prevention BMPs.

**BMP Status:** The Village implements an operation and maintenance program designed to prevent or reduce the discharge of pollutants from the storm sewer system:

- Maintenance and washing of the Village vehicles is performed in a maintenance garage, which drains to the sanitary sewer system.
- The Village stores fuels and oils for its vehicles in appropriate tanks with spill containment measures.
- Used vehicle oil is stored in a holding tank and periodically hauled away by a recycle/disposal service.
- Tub ground wood chips from tree trimming for reuse as mulch.
- Road salt is stored on a paved surface and within a permanent structure to protect it from precipitation. The Village's roadway deicing operators receive specific training on BMPs for deicer use and protection of local waterways.
- Storage bins have been constructed to reduce the runoff or material from facility material storage areas.
- Continued reduced use of road salt by only salting after snowfall event is over and continued utilizing beet juice and de-icing liquids.
- Continued requirement of PW crews to complete SWPPP reports and utilize BMPs for significant activities.

**BMP No. F.4 Municipal Operations Waste Disposal**

Good housekeeping in facility waste storage areas.

**Measurable Goal(s), including frequencies:** Facility waste storage areas are swept clean and waste dumpster lids are kept closed when not in use.

**Milestones:** Perform good housekeeping in facility waste storage areas.

**BMP Status:** Good housekeeping practices, including proper waste handling and recycling BMPs, are implemented at Village facilities:

- Wastes and recyclables are stored in designated containers and areas for proper handling and disposal.
- Street sweeping is performed to remove accumulated sediment and pollutants from street and parking areas.
- Fertilizer and pesticide application BMPs are used to apply chemical at the appropriate time and rate.
- The Village maintains and utilizes a 3,000 gallon rain barrel at public works for recycling rain water.

**BMP No. F.5 Flood Management/Assess Guidelines**

The Village has adopted the Federal Emergency Management Agency's requirements.

**Measurable Goal(s), including frequencies:** Enforce FEMA requirements.

**Milestones:** Enforce FEMA requirements.

**BMP Status:** The Village continues to enforce FEMA requirements

**C. INFORMATION AND DATA COLLECTION RESULTS**

The Village participates in the DuPage River Salt Creek Workgroup for regional water quality coordination, and for regional water quality monitoring information. The Village also performs visual outfall monitoring.

**D. SUMMARY OF NEXT REPORTING PERIOD STORMWATER ACTIVITIES**

A summary of the stormwater activities that are planned to be performed during the next reporting period (March 2021 – March 2022) is shown below:

**BMP No. A.1 Distribute Paper Material**

Village newsletters periodically include information regarding material recycling, prescription drug drop-off programs, storm and flood safety information, inlet maintenance information, water quality/illegal dumping information and parkway tree information.

**Measurable Goal(s), including frequencies:** Include pollution prevention information in newsletters or on website annually.

**Milestones:** Provide pollution prevention information in newsletters or on website.

**BMP No. A.4 Community Event**

Host Streamwood Environmental Education Day (SEED) and Arbor Day event to distribute pollution prevention and recycling information.

**Measurable Goal(s), including frequencies:** Host SEED and Arbor Day once per year.

**Milestones:** Host SEED and Arbor Day.

**BMP No. B.1 Public Panel**

Public meeting for information and input on the MS4 program.

**Measurable Goal(s), including frequencies:** The Village will have a Village public meeting agenda item per year dedicated to the MS4 program information and public input.

**Milestones:** Public meeting agenda item for MS4 program input.

**BMP No. B.3 Stakeholder Meeting**

Natural Resource Conservancy Commission - public group to review Village efforts and promote environmental efforts including recycling and water quality.

**Measurable Goal(s), including frequencies:** Meet, volunteer and host events annually.

**Milestones:** Meet, volunteer and host events.

**BMP No. B.6 Program Involvement**

MS4 Program documents and contact information on Village website.

**Measurable Goal(s), including frequencies:** Post MS4 Program documents (NOI, SMPP, annual reports) and contact information on Village website annually, for residents to provide input or voice concerns about water quality issues.

**Milestones:** Post MS4 Program documents and contact information on Village website.

**BMP No. C.1 Storm Sewer Map Preparation**

Maintain current atlas of storm sewer system.

**Measurable Goal(s), including frequencies:** Inventory and update storm sewer system map annually.

**Milestones:** Review and update.

**BMP No. C.2 Regulatory Control Program**

The Village has adopted and enforces its local ordinances, which provide the regulatory authority to detect, investigate and eliminate potential illicit discharges. The Village reviews the ordinances and updates its program as necessary.

**Measurable Goal(s), including frequencies:** Review ordinances annually and enforce.

**Milestones:** Review and update as needed.

**BMP No. C.4 Illicit Discharge Tracing Procedures**

The Village identifies illicit discharges through dry weather screening, regular storm sewer maintenance, and public reporting. Spills are responded to by Public Works, with support by local fire department staff if needed, and emergency notification to Illinois EPA and local authorities based on the situation.

**Measurable Goal(s), including frequencies:** Implement illicit discharge procedures annually.

**Milestones:** Implement illicit discharge procedures.

**BMP No. C.5 Illicit Source Removal Procedures**

Removing illicit discharges to the storm drain system.

**Measurable Goal(s), including frequencies:** Disconnect any illicit discharge source that can be identified.

**Milestones:** Implement illicit discharge removal.

**BMP No. C.7 Visual Dry Weather Screening**

Screen outfalls and storm structures for signs of illicit discharges.

**Measurable Goal(s), including frequencies:** Screen outfalls and structures annually.

**Milestones:** Screen 50% of outfalls and 10% of other structures annually.

**BMP No. D.1 Regulatory Control Program**

MWRD and Village stormwater regulations which include BMP's. The Village requires 100% of new significant development to submit and follow erosion control plans. Developers must implement stormwater best management practices (BMPs) and submit weekly construction sediment control reports. Developers must implement BMP's during active construction site activities and post construction. All site plan reviews are currently being performed by Village staff, supplemented by private wetland/stormwater consultants when necessary.

**Measurable Goal(s), including frequencies:** Enforce MWRD and Village regulations.

**Milestones:** Continue review and enforcement. Revise Village ordinances as needed with implementing state and county regulations.

**BMP No. D.2 Erosion and Sediment Control BMPs**

Village requires sediment and erosion control BMP's.

**Measurable Goal(s), including frequencies:** Continue requiring BMP's and weekly inspections by developers.

**Milestones:** Weekly inspections by developers and monthly inspections by Village and construction sites.

**BMP No. D.3 Other Waste Control Program**

Village Community Development Department enforces ordinance that requires construction site operators to control waste.

**Measurable Goal(s), including frequencies:** Village will continue to enforce the ordinance annually.

**Milestones:** Review ordinance and continue enforcement.

**BMP No. D.4 Site Plan Review Procedures**

The Village reviews all site plans for compliance with local ordinances.

**Measurable Goal(s), including frequencies:** Review Erosion Control Plans for new development as submitted.

**Milestones:** Evaluate and update site plan review as necessary.

**BMP No. D.6 Site Inspection/Enforcement Procedures**

Site inspections to enforce local requirements.

**Measurable Goal(s), including frequencies:** The Village will continue to inspect and require the developers to submit weekly inspection reports for active sites.

**Milestones:** Enforce and update site inspection procedures and update in accordance with new Cook County storm water ordinance.

**BMP No. E.2 Regulatory Control Program**

The Village has adopted the Cook County Stormwater Ordinance for post construction stormwater runoff control.

**Measurable Goal(s), including frequencies:** The Village will continue to require post construction BMP's.

**Milestones:** Review current regulations and evaluate for changes in conjunction with proposed Cook County ordinance.

**BMP No. E.4 Pre-Construction Review of BMP Designs**

Village reviews BMP designs.

**Measurable Goal(s), including frequencies:** Village will continue to review BMP designs. BMPs are placed within a stormwater or drainage easement and maintained as required by the MWRD Stormwater Ordinance. The BMPs are treated as improvements and are inspected during and after construction. Stormwater BMPs are regularly required in commercial areas to improve the quality of stormwater discharges to basins and creeks.

**Milestones:** Review all site work plans for BMPs.

**BMP No. E.5 Site Inspections during Construction**

Inspect Construction sites for erosion and sedimentation control.

**Measurable Goal(s), including frequencies:** Developers are required to hire professional to inspect sites on a weekly basis. The Village will also review documentation for compliance and inspection on a monthly basis.

**Milestones:** Continue inspections and review as per requirements.

**BMP No. E6 Post-Construction Inspections**

Inspect post construction BMPs and documentation.

**Measurable Goal(s), including frequencies:** Inspect BMPs and require maintenance to maintain effectiveness. The Village regularly inspects detention and wetland basins, as well as other stormwater facilities. Complaints regarding public or private BMPs are addressed by Public Works staff or the Village Engineering Department.

**Milestones:** Inspect BMPs on an annual basis.

**BMP No. F.1 Employee Training Program**

The Public Works Department conducts regular employee training for municipal operations and safety. Annual training is provided to educate staff on pollution prevention and reduction of stormwater pollution from municipal activities. Staff also receive training through local watershed group activities and professional associations.

**Measurable Goal(s), including frequencies:** Implement the pollution prevention training program annually.

**Milestones:** Implement and review training program.

**BMP No. F.2 Inspection and Maintenance Program**

The Village implements a storm sewer system inspection and maintenance program which includes regular cleaning and maintenance of storm sewer structures. The Village has operational policies designed to prevent stormwater pollution associated with municipal operations.

**Measurable Goal(s), including frequencies:** Implement the storm sewer system inspection and maintenance program annually.

**Milestones:** Review current program, update as needed.

**BMP No. F.3 Municipal Operations Storm Water Control**

The Village has a program to prevent stormwater pollution from maintenance operations.

**Measurable Goal(s), including frequencies:** Implement the above pollution prevention BMPs annually.

**Milestones:** Continue current pollution prevention BMPs.

**BMP No. F.4 Municipal Operations Waste Disposal**

Good housekeeping in facility waste storage areas.

**Measurable Goal(s), including frequencies:** Facility waste storage areas are swept clean and waste dumpster lids are kept closed when not in use.

**Milestones:** Perform good housekeeping in facility waste storage areas.

**BMP No. F.5 Flood Management/Assess Guidelines**

The Village has adopted the Federal Emergency Management Agency's requirements.

**Measurable Goal(s), including frequencies:** Enforce FEMA requirements.

**Milestones:** Enforce FEMA requirements.

**E. NOTICE OF RELIANCE ON ANOTHER GOVERNMENT ENTITY**

The Village participates in Cook County and Metropolitan Water Reclamation District (MWRD) efforts to provide water quality education and information. This includes written materials such as brochures, as well as links to materials on the Village and MWRD website. The Village is a member of the DuPage River Salt Creek Workgroup, which provides local watershed water quality information on its website.

**F. CONSTRUCTION PROJECTS CONDUCTED DURING REPORTING PERIOD**

The following construction projects which have a disturbed area greater than one (1) acre were active during the reporting period.

- The Oasis of Streamwood ILR10ZBYH
- Extreme Clean Car Wash ILR10ZCCM





**DRSCW ILR40 Activities  
March 2022– March 2023**

**PART I. COVERAGE UNDER GENERAL PERMITS ILR40**

Not applicable to the work of the DRSCW.

**PART II. NOTICE OF INTENT (NOI) REQUIREMENTS**

Not applicable to the work of the DRSCW.

**PART III. SPECIAL CONDITIONS**

Not applicable to the work of the DRSCW.

**PART IV. STORM WATER MANAGEMENT PROGRAMS**

**A. Requirements**

Not applicable to the work of the DRSCW.

**B. Minimum Control Measure**

*1. Public Education and Outreach on Stormwater Impacts*

DRSCW outreach activities for the reporting year ending March 31, 2023 included:

- The DRSCW website was updated and maintained during the reporting period and periodically updated with presentations and material ([www.drscw.org](http://www.drscw.org)).
- A searchable database with information on local aquatic biodiversity (IBIs), habitat (QHEI), and sediment and water column chemistry were maintained and periodically updated.
- Public information available on the website includes:
  - Chloride Fact Sheets aimed at mayors and managers, public works staff, commercial operators, and homeowners.
  - Model Salt Storage and Handling Ordinances and Policies.
  - Model Facilities Plan for Snow and Ice Control.
  - A fact sheet summarizing alternative deicing products.
  - Information of effective operating parameters for commonly used anti icing compounds.
  - Parking lots chloride application rate guidance example sheet and aide memoire.
  - A brochure on coal tar sealants as a source of Polycyclic Aromatic Hydrocarbons (PAHs) aimed at homeowners (produced by the University of New Hampshire Stormwater Center).



- Detailed reports on the biological and chemical conditions of area waterways.

### **Technical Presentations**

Workgroup meetings: The Workgroup hosts bimonthly meetings where technical presentations are made on a variety of water quality topics and surface water management subjects. The audience consists of mainly stormwater and wastewater professionals but the public is welcome to attend. Presentations made during the period March 1, 2022 to March 31, 2023 are listed below. Selected presentations are made available on the DRSCW website and upon request. Technical presentations have also been approved by the IEPA as CEUs for the Wastewater Operator and Drinking Water Operator Certifications.

April 27, 2022 – Model Development and Management Scenario Application for Total Phosphorus in Salt Creek, East Branch, West Branch, and Lower DuPage Rivers. Presenter: Hillary Yonce, Professional Hydrologist, Lead Modeler, Tetra Tech.

April 27, 2022 -- 2020-2022 Integrated Water Quality Report and Section 303(d) List. Presenter: Deanna Doohaluk, Watershed Project Manager, The Conservation Foundation.

June 27, 2022 – Kimberly North Stormwater Study. Presenter: Gregory R. Ulreich, P.E., CFM Civil/Stormwater Engineer, Dept. of Engineering Services, Carol Stream.

June 27, 2022 – The Microplastic Monster. Presenter: Christine Wood, Donohue & Associates, Inc., Water/Wastewater Engineer.

August 31, 2022 – Lags and Gaps: streambank erosion as a blind spot in the Illinois NLRS. Presenter: Andrew Margenot, Assistant Professor, University of Illinois Urbana-Champaign.

October 26, 2022 – Reducing Inflow and Infiltration: City of Naperville's' Experience. Presenter: Tony Conn Sr., Water Distribution and Collection Manager. Department of Public Utilities-Water, City of Naperville.

December 7, 2022 – 2020 West Branch DuPage River Bioassessment. Presenter: Chris Yoder, Research Director, Midwest Biodiversity Institute.

### **Other Water Quality Presentations or Workshops by the DRSCW**

April 25-27, 2022 – NARP Updates, IWEA Annual Conference. Panel Members: Stephen McCracken, The Conservation Foundation and Adam Gronski, DRSCW Board Member, Metropolitan Water Reclamation District of Greater Chicago.



April 26, 2022 – Derivation of a Local Chloride Threshold for Wadeable Streams, Emerging Contaminants in the Environment Conference (virtual). Presenter: Deanna Doohaluk, The Conservation Foundation.

June 15-17, 2022 – Constructing an effective watershed Approach, International Water and Waste Management Conference, Bangkok, Thailand. Presenter: Stephen McCracken, The Conservation Foundation.

July 19, 2022 – Administration and Funding Structures for the DRSCW, LDPWC and LDPWG, Illinois River Watershed Study Group, Starved Rock Convention Center. Presenter: Stephen McCracken, The Conservation Foundation.

September 9, 2022—DRSCW Program Update, USEPA and IEPA. Presenter: Deanna Doohaluk, The Conservation Foundation and Stephen McCracken, The Conservation Foundation.

September 26, 2022 – Masterplan for Salt Creek at Fullersburg Woods, Board of Directors of The Conservation Foundation. Presenter: Deanna Doohaluk, The Conservation Foundation.

November 16, 2022—DRSCW Program Update, DuPage Mayors and Managers Regulatory Affairs Committee, Stephen McCracken, The Conservation Foundation.

February 2, 2023 – Deriving an ambient Total Phosphorous threshold for the DuPage River and Salt Creek, IEPA, Presenter: Stephen McCracken, The Conservation Foundation and Deanna Doohaluk, The Conservation Foundation.

February 28, 2023 – Deriving and Implementing an Ambient Total Phosphorous Threshold for the DuPage River and Salt Creek. IAWA Mini Conference, Springfield, IL. Presenters: Amy Underwood, DRSCW Board Member, Downers Grove Sanitary District and Stephen McCracken, The Conservation Foundation.

February 22-24, 2023 – Expanding beyond Permit Limits to Achieve Water Quality Goals, WWM5, Bhubaneswar, India. Presenter: Deanna Doohaluk, The Conservation Foundation.

March 7, 2023 – Deriving an ambient Total Phosphorous threshold for the DuPage River and Salt Creek. Environmental Partners. Presenter: Stephen McCracken, The Conservation Foundation and Deanna Doohaluk, The Conservation Foundation.

*2. Public Involvement and Participation – No Activities*

*3. Illicit Discharge Detection and Elimination – No Activities*



4. *Construction Site Storm Water Runoff Control - No Activities*

5. *Post-Construction Storm Water Management in New Development and Redevelopment - No Activities*

6. *Pollution Prevention/Good Housekeeping for Municipal Operations – No Activities*

### **Chloride Questionnaires**

The DRSCW has attempted to track adoption of sensible salting BMPs in the program area since 2007. This is done as ambient chloride concentration monitoring; and while the ultimate indicator of success, it has proven an imperfect metric for tracking efficiency trends in winter salt use. Tracking target BMP adoption in the program area allows the DRSCW to evaluate the success of the chloride management workshops. Historically the public roads and parking lots/sidewalks workshops have covered the following practices:

- Winter Weather tracking and planning
- Behavior of commonly used deicing compounds
- Product and chemical alternatives
- Equipment calibration training
- Application Rates
- Equipment and salt application advancements
- Salt usage, storage and deicing best management practices
- Example salt use policies and management plans

The questionnaires also help identify topics for future workshops, and form suppositions about salt use per unit of service expended inside the program area relative to 2006 levels.

Questionnaires were distributed in 2007, 2010, 2012, 2014, 2016, and 2018. They were sent to approximately 80 municipal highway operations and public works agencies. A new questionnaire was due to be distributed in 2022 but was not completed due to a need to rework elements of the questionnaire. It is now due to be issued in 2023.

### **Chloride Reduction Workshops**

During the reporting period March 1, 2022 to March 31, 2023, six (6) chloride reduction workshops were held. The workshops were held in a webinar format allowing the groups to collaborate and host the workshops jointly. The workgroup staff for the DRSCW, LDRWC, Lower Des Plains Watershed Group (LDWG) and Chicago Area Waterways Chloride Workgroup (CAWCW) collaborated with staff from Lake County DOT and Health Dept. to coordinate the workshops. Registration was made available to agencies over a wide area of northeastern Illinois resulting in staff attending from Boone, Cook, DuPage, Kane, Lake, Will, and Winnebago



counties, as well as Milwaukee, WI. A list of attendees of the Public Roads Deicing Workshop (by County) is included in Attachment 1 and attendees of the Parking Lots & Sidewalks Deicing Workshop (by County) is included in Attachment 2.

Public Roads Deicing Workshops were held on September 27, October 5, October 6, and October 12, 2022. Staff from Bolton-Menk, Inc. (formerly at Fortin Consulting, Inc.) from Minnesota were engaged to present the material. A registration fee was required per agency in order to view the webinar. The links were shareable within an agency. A survey was provided at the end of each webinar to those who had signed in asking for the number of attendees from each agency and for an evaluation of the workshop. The survey results indicated that a minimum of 644 persons attended the four Public Roads workshops. Certificates of attendance were provided to those who requested them. A link to the *Minnesota Snow and Ice Control: Field Book for Snowplow Operators* was provided to each registrant.

The Parking Lot and Sidewalk Deicing Workshop webinars were held on September 29 and October 11, 2022 with Bolton-Menk, Inc. presenting. The survey results indicated that there was a minimum of 262 persons who viewed the webinars. Certificates of attendance were provided to those who requested them. The surveys provided an opportunity to provide an evaluation on the webinars. A link was sent to each registrant for the *Minnesota Pollution Control Agency Winter Parking Lot & Sidewalk Maintenance Manual*.

### **Ambient Impact Monitoring**

DRSCW's Chloride Education and Reduction Program has performed an in depth analysis to detect trends in chloride loading within the water quality data collected since the beginning of program efforts.

The goal of the analysis is to gauge the impact, if any, of the chloride education program on chloride loadings and concentrations generated from DRSCW water quality data collected from 2009 to present. Such an analysis is challenging due to the influences of other variables that dictate the magnitude of chloride impact on water quality data, principally winter weather (see PLOTS). The analysis is needed to account for this inherent variability to as great a degree as possible. To help accomplish this the DRSCW purchased 10 years of weather data (snow and ice precipitation data for numerous locations) from Weather Command / Murray and Trettel, Inc. The analysis steps for each site where winter chloride concentration data was available was:

- Calculation of estimated chloride concentration from winter conductivity data
- Calculation of a warm weather regression value from summer concentration data and summer conductivity measures



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- Calculation of estimated chloride summer concentrations
- Creation of loading data (in pounds per day) from the estimated concentration data using USGS flow data
- Identification of ice events from the weather command data and “replacement” of such events with loadings observed mean concentrations (to control for the high variability caused by ice).
- Graphing of loading and concentration data for each site

This analysis has been completed and phase one results have been produced. The report is being finalized and will be complete by April 2023.

### **Continuous Chloride Monitoring**

When chlorides are present in elevated concentrations in rivers, they harm aquatic invertebrates, fish, and aquatic and terrestrial plants. High chloride concentrations also corrode structures like bridges, increasing maintenance costs; and chlorides are very difficult to remove from water through treatment. In the DRSCW watersheds, the main source of elevated chlorides in the rivers is from winter deicing applications. In an effort to understand and track chloride levels in the watershed, year-round conductivity monitoring is carried out.

Ambient monitoring of conductivity is carried out at six (6) locations. All conductivity sites were originally installed to collect continuous DO and are situated for that rather than chlorides. DRSCW chloride sites are positioned in the upper and lower sections of each watershed.

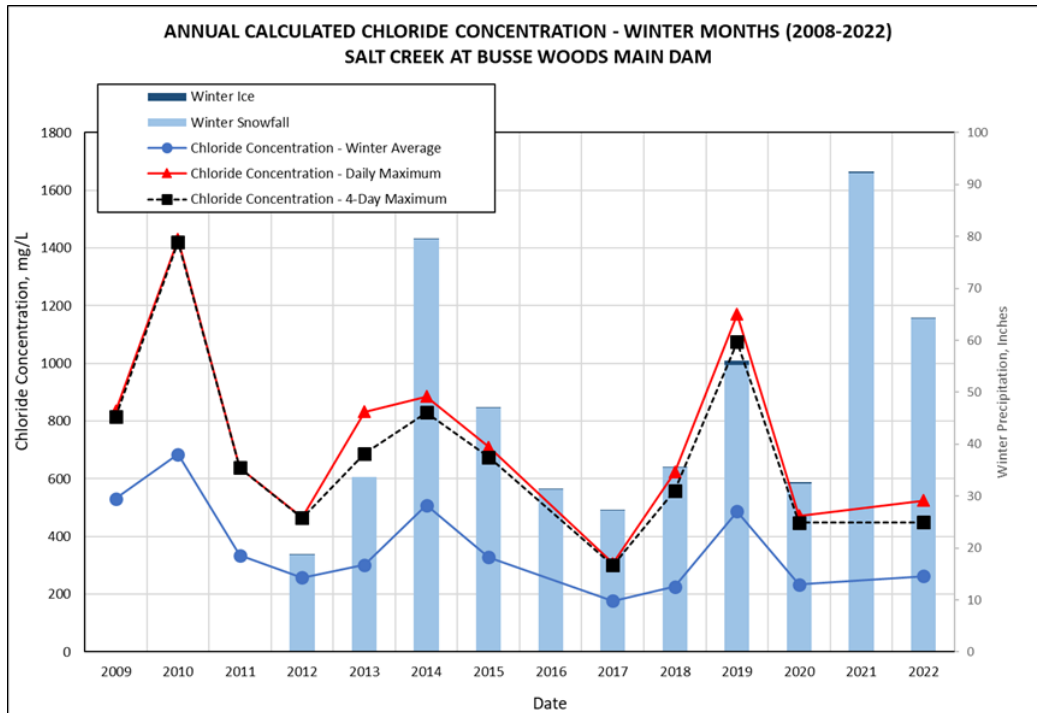
The upstream Salt Creek chloride site (Busse Woods) is at the upstream most point of the Lower Salt Creek watershed (this site isn't placed further upstream as it was selected to measure DO upstream of the watersheds POTWs). MWRD did not conduct ambient winter conductivity monitoring at the Salt Creek at Busse Woods site in 2021. The site was taken over by DRSCW for conductivity monitoring during the winter of 2022.

Conductivity concentrations are used to calculate chloride concentrations based on a linear relationship established by the DRSCW. Calculated Annual chloride concentrations for the winter months from 2007-2021 for six (6) sites are depicted in Figure 1 to Figure 6, The Daily Max represents the highest chloride daily value calculated from that year's winter season. The Winter Average is the average of all measurements from the winter season. The Four-Day Average is the maximum value of the year's four-day averages. Also shown are seasonal totals for winter snow and ice data. This data is generated from data supplied by a contract with Weather Command/ Murray and Trettel, Inc. The data is specific to the areas proximate to the



relative conductivity monitoring site. The weather data for the Naperville site on the southern West Branch has not yet been extracted and will be on the future graphics.

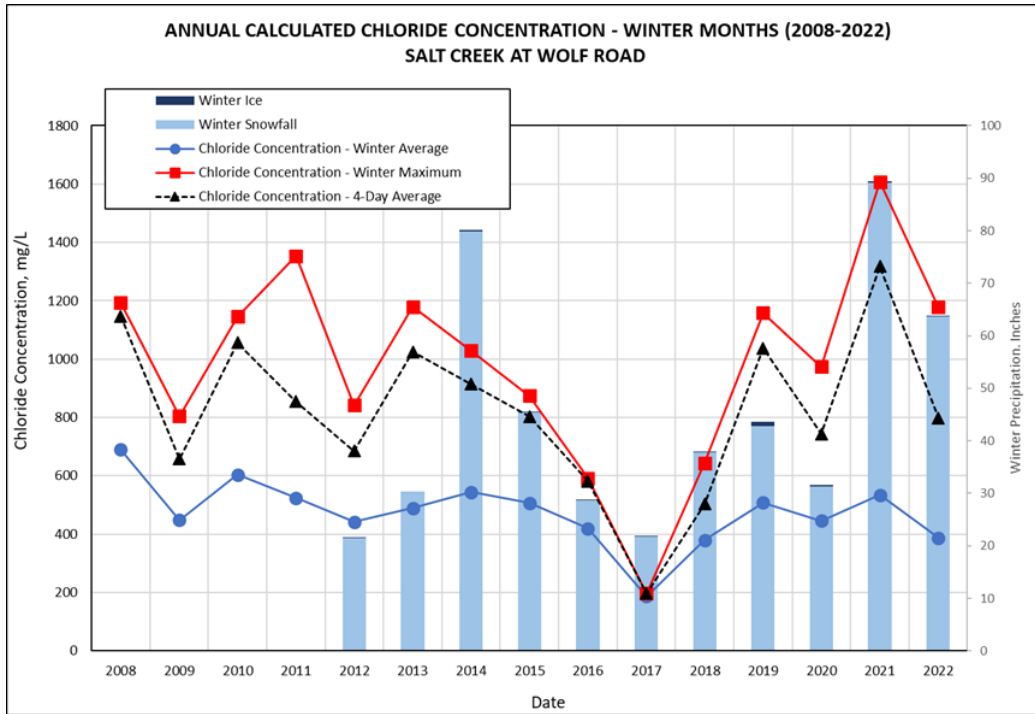
**Figure 1.** Calculated Chloride Concentrations - Winter Months (2007-2022) for Salt Creek at Busse Woods Main Dam. Data was not collected in 2021.



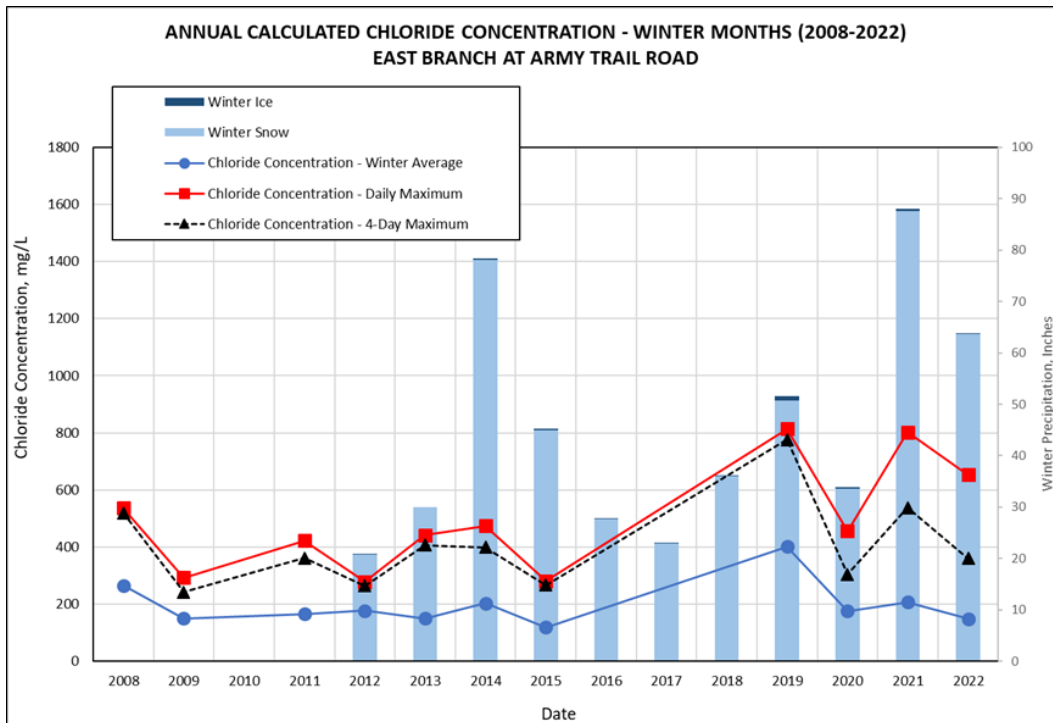


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**Figure 2. Calculated Chloride Concentrations - Winter Months (2007-2022) for Salt Creek at Wolf Road**



**Figure 3. Calculated Chloride Concentrations - Winter Months (2007-2022) for the East Branch DuPage River at Army Trail Road**

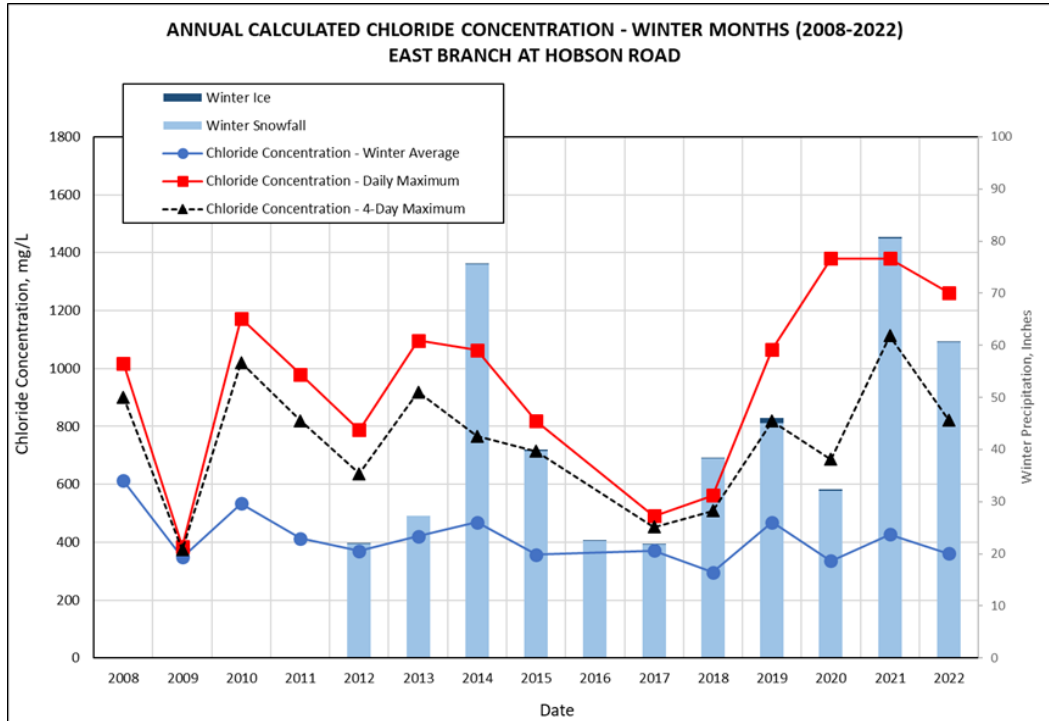




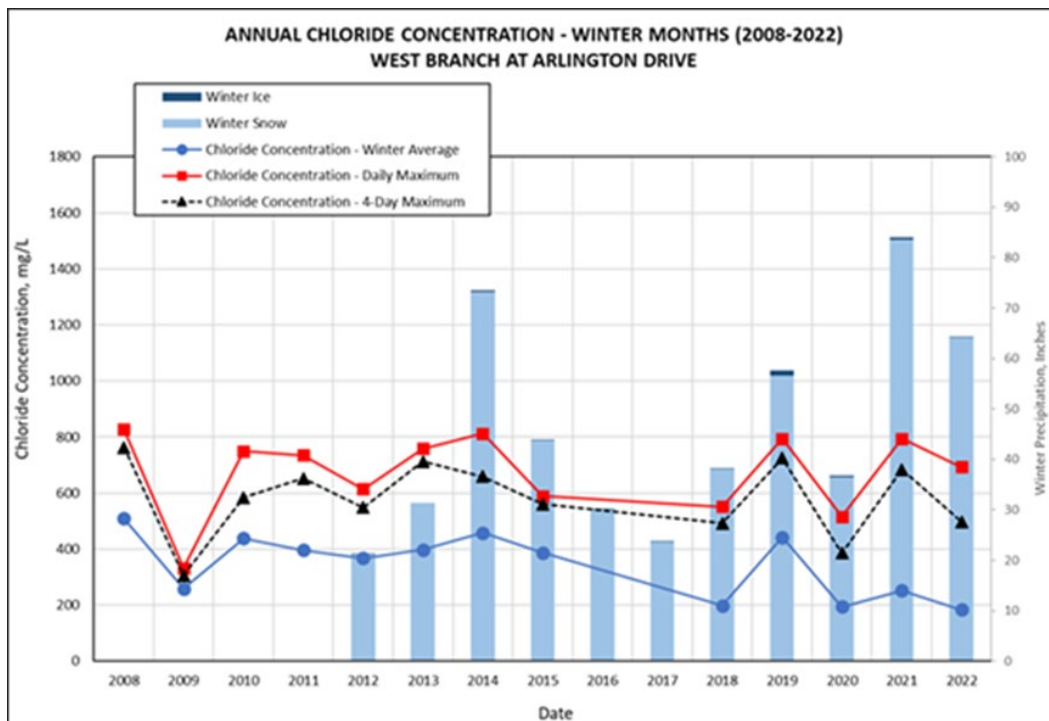


**DuPage River Salt Creek Workgroup**

**Figure 4.** Calculated Chloride Concentrations - Winter Months (2008-2022) for the East Branch DuPage River at Hobson Road

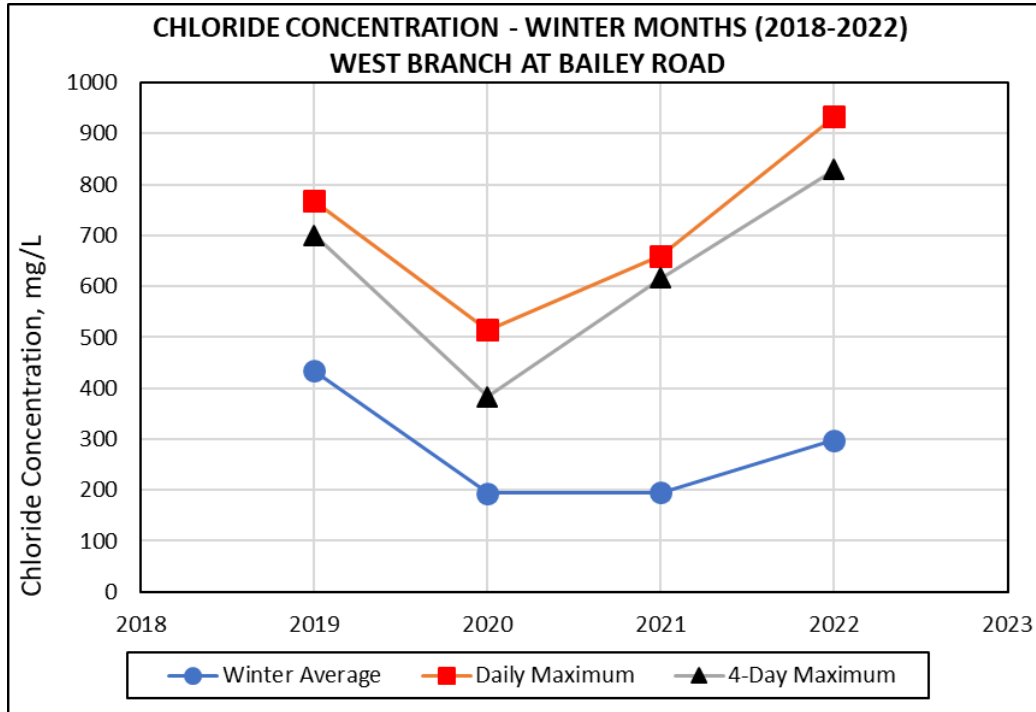


**Figure 5.** Calculated Chloride Concentrations - Winter Months (2007-2022) for the West Branch DuPage River at Arlington Drive





**Figure 6.** Calculated Chloride Concentrations - Winter Months (2018-2022) for the West Branch DuPage River at Bailey Road



**C. Qualifying State, Country or Local Program**

Not applicable to the work of the DRSCW.

**D. Sharing Responsibility**

This report outlines the activities conducted by the DRSCW on behalf of its’ members related to the implementation of the ILR40 permit. It is the responsibility of the individual ILR40 permit holders to utilize this information to fulfill the reporting requirements outlined in Part V.C. of the permit.

**E. Reviewing and Updating Stormwater Management Programs**

Not applicable to the work of the DRSCW.



## PART V. MONITORING, RECORDKEEPING, AND REPORTING

### A. Monitoring

The ILR40 permit states that permit holders “must develop and implement a monitoring and assessment program to evaluate the effectiveness of the BMPs being implemented to reduce pollutant loadings and water quality impacts”. The DRSCW monitoring program meets the following monitoring objectives and requirements outlined in the permit:

- Measuring pollutants over time (Part V. A. 2. b. ii)
- Sediment monitoring (Part V. A. 2. b. iii)
- Assessing physical and habitat characteristics such as stream bank erosion caused by storm water discharges ((Part V. A. 2. b. vi)
- Collaborative watershed-scape monitoring (Part V. A. 2. b. x)
- Ambient monitoring of total suspended solids, total nitrogen, total phosphorus, fecal coliform, chlorides, and oil and grease (Part V. A. 2. c.)

The DRSCW water quality monitoring program is made up of four components: 1) Bioassessment; 2) Continuous DO monitoring; 3) Expanded DO monitoring, and 3) Continuous Chloride Monitoring. Components 1-3 are discussed below and component 4 was discussed in the previous section of this report.

#### **BIOASSESSMENT**

##### *Overview and Sampling Plan*

A biological and water quality survey, or “biosurvey”, is an interdisciplinary monitoring effort coordinated on a waterbody specific or watershed scale. This may involve a relatively simple setting focusing on one or two small streams, one or two principal stressors, and a handful of sampling sites or a much more complex effort including entire drainage basins, multiple and overlapping stressors, and tens of sites. The DRSCW bioassessment is the latter. The DRSCW bioassessment program began in 2007 with sampling in the West Branch DuPage River, East Branch DuPage River and Salt Creek watersheds. From 2009-2016, each watershed was sampled on a 3-year rotation beginning with the West Branch DuPage River watershed in 2006. Between 2017 and 2021, the watersheds were sampled on a 4 -year rotation. Starting in 2023, the watersheds will be sampled on a 5-year rotation. The sampling frequency will ensure that each watershed will be sampled during the effective period of the ILR40 permit. The bioassessment program functions under a quality assurance plan agreed on with the Illinois Environmental Protection Agency (<http://drscw.org/wp/bioassessment/>). Table 1 details the bioassessment sampling dates for each DRSCW watershed.



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**Table 1.** Bioassessment sampling dates for the DRSCW watershed

| Watershed                | Sampling Completed (year)    | Sampling Scheduled (year) |
|--------------------------|------------------------------|---------------------------|
| East Branch DuPage River | 2007, 2011, 2014, 2019       | 2023                      |
| West Branch DuPage River | 2007, 2009, 2012, 2015, 2020 | 2025                      |
| Salt Creek               | 2007, 2010, 2013, 2016, 2021 | 2027                      |

The DRSCW bioassessment program utilizes standardized biological, chemical, and physical monitoring and assessment techniques employed to meet three major objectives:

- 1) determine the extent to which biological assemblages are impaired (using IEPA guidelines);
- 2) determine the categorical stressors and sources that are associated with those impairments; and,
- 3) add to the broader databases for the DuPage River and Salt Creek watersheds to track and understand changes through time in response to abatement actions or other influences.

The data collected as part of the bioassessment is processed, evaluated, and synthesized as a biological and water quality assessment of aquatic life use status. The assessments are directly comparable to previously conducted bioassessments such that trends in status can be examined and causes and sources of impairment can be confirmed, amended, or removed. A final report containing a summary of major findings and recommendations for future monitoring, follow-up investigations, and any immediate actions that are needed to resolve readily diagnosed impairments is prepared following each bioassessment. The bioassessment reports are posted on the DRSCW website at <http://drscw.org/wp/bioassessment/>. It is not the role of the bioassessments to identify specific remedial actions on a site specific or watershed basis. However, the baseline data provided by the bioassessments contributes to the Integrated Priority System that was developed to help determine and prioritize remedial projects (<http://drscw.org/wp/project-identification-and-prioritization-system/>).

Sampling sites for the bioassessment were determined systematically using a geometric design supplemented by the bracketing of features likely to exude an influence over stream resource quality, such as CSOs, dams and wastewater outfalls. The geometric site selection process starts at the downstream terminus or “pour point” of the watershed (Level 1 site), then continues by deriving each subsequent “panel” at descending intervals of one-half the drainage area (D.A.) of the preceding level. Thus, the drainage area of each successive level decreases geometrically. This results in seven drainage area levels in each of the three watersheds, starting at the largest (150 sq. mi) and continuing through successive panels of 75, 38, 19, 9, 5 and 2 sq. mi. Targeted sites are then added to fill gaps left by the geometric design and assure complete spatial coverage in order to capture all significant pollution gradients including reaches that are impacted by wastewater treatment plants (WWTPs), major stormwater sources, combined sewer overflows



(CSOs) and dams. The number of sampling sites by method/protocol and watershed are listed in Table 2.

**Table 2.** Number of sampling sites in the DRSCW project area

| Method/Protocol                         | West Branch DuPage River (2020) | East Branch DuPage River (2019) | Salt Creek (2021) | Reference Sites (2006-2021) | Total Sites |
|---|---------------------------------|---------------------------------|-------------------|-----------------------------|-------------|
| Biological sampling                     |                                 |                                 |                   |                             |             |
| Fish                                    | 42                              | 41                              | 65*               | 13                          | 155         |
| Macroinvertebrates                      | 42                              | 41                              | 65*               | 13                          | 155         |
| QHEI                                    | 42                              | 41                              | 65*               | 13                          | 155         |
| Water Column Chemical/Physical Sampling |                                 |                                 |                   |                             |             |
| Nutrients**                             | 42                              | 38                              | 57                | 6                           | 143         |
| Water Quality Metals                    | 30                              | 38                              | 34                | 6                           | 108         |
| Water Quality Organics                  | 18                              | 11                              | 17                | 6                           | 52          |
| Sediment Sampling                       | 23                              | 15                              | 27                | 6                           | 71          |

\*Includes eight (8) sites that were being monitored as part of pre-project monitoring at Fullersburg Woods and post-project monitoring at the Preserve at Oak Meadows.

\*\*Also included indicators of organic enrichment and ionic strength, total suspended solids (TSS), DO, pH and temperature. Also, in 2019, 2020 and 2021, chlorophyll A was included as a nutrient parameter.

**Representativeness – Reference Sites**

Data is collected from selected regional reference sites in northeastern Illinois preferably to include existing Illinois EPA and Illinois DNR reference sites, potentially being supplemented with other sites that meet the Illinois EPA criteria for reference conditions. One purpose of this data will be to index the biological methods used in this study that are different from Illinois EPA and/or DNR to the reference condition and biological index calibration as defined by Illinois EPA. In addition, the current Illinois EPA reference network does not yet include smaller headwater streams, hence reference data is needed to accomplish an assessment of that data. Presently thirteen (13) reference sites have been established.

The bioassessment sampling includes four (4) sampling methods/protocols: biological sampling, Qualitative Habitat Evaluation Index (QHEI), water column chemical/physical parameter sampling and sediment chemistry. The biological sampling includes two assemblages: fish and macroinvertebrates.

As no sampling was conducted in Summer 2022, the 2022 MS4 Activities Report does not contain updated Fish, Habitat and Water Chemistry. However, as the macroinvertebrate sampling results for Salt Creek (sampled in 2021) was not available at the time of the 2021 MS4 Activities report, this data is included in this report. A map of the 2021 Salt Creek sampling sites can be found in



Map 2. A list of the sites sampled as part of the 2021 Salt Creek bioassessment is included in Table 3. Table 3 includes the site name, site location, and the type and frequency of each sampling method.

Detailed analysis of all results for the East Branch DuPage River, the West Branch DuPage River and Salt Creek and their tributaries and can be found at <http://drscw.org/wp/bioassessment/>. Additionally, summaries of the findings for the Fish, Macroinvertebrates, Habitat and Water Chemistry for the mainstem East Branch DuPage River and West Branch DuPage River and summaries for Fish, Habitat and Water Chemistry Salt Creek can be found in the 2019, 2020, and 2021 DRSCW MS4 Activities Report.

The fish and macroinvertebrate results are presented as Index of Biotic Integrity (IBI) scores. IBI is an evaluation of a waterbody's biological community in a manner that allows the identification, classification and ranking of water pollution and other stressors. IBIs allow the statistical association of various anthropogenic influences on a water body with the observed biological activity in said water body and in turn the evaluation of management interventions in a process of adaptive management. Chemical testing of water samples produces only a snapshot of chemical concentrations while an IBI allows an evaluation of the net impact of chemical, physical and flow variables on a biological community structure. Dr. James Karr formulated the IBI concept in 1981.

## **MACROINVERTEBRATES**

### Methodology

The macroinvertebrate assemblage is sampled using the Illinois EPA (IEPA) multi-habitat method (IEPA 2005). Laboratory procedures followed the IEPA (2005) methodology for processing multi-habitat samples by producing a 300-organism subsample with a scan and pre-pick of large and/or rare taxa from a gridded tray. Taxonomic resolution is performed to the lowest practicable resolution for the common macroinvertebrate assemblage groups such as mayflies, stoneflies, caddisflies, midges, and crustaceans, which goes beyond the genus level requirement of IEPA (2005). However, calculation of the macroinvertebrate IBI followed IEPA methods in using genera as the lowest level of taxonomy for mIBI calculation and scoring.

### 2021 Salt Creek Results

Macroinvertebrate communities sampled from the mainstem of Salt Creek revealed no clear longitudinal pattern (Figure 7) and mainly fall in the fair to poor ranges. There are four sites on the mainstem of Lower Salt Creek with mIBI scores in the good range: two (2) sites located immediately downstream of the Fullersburg Woods dam and two (2) sites within the Preserve at Oak Meadows restoration site. With the exception of one (1) site located on West Branch Salt Creek #5 (located within the Upper Salt Creek watershed) where a mIBI of 45.20 (good), scores in tributaries throughout the watershed in 2021 were in the poor to fair range.



## DuPage River Salt Creek Workgroup

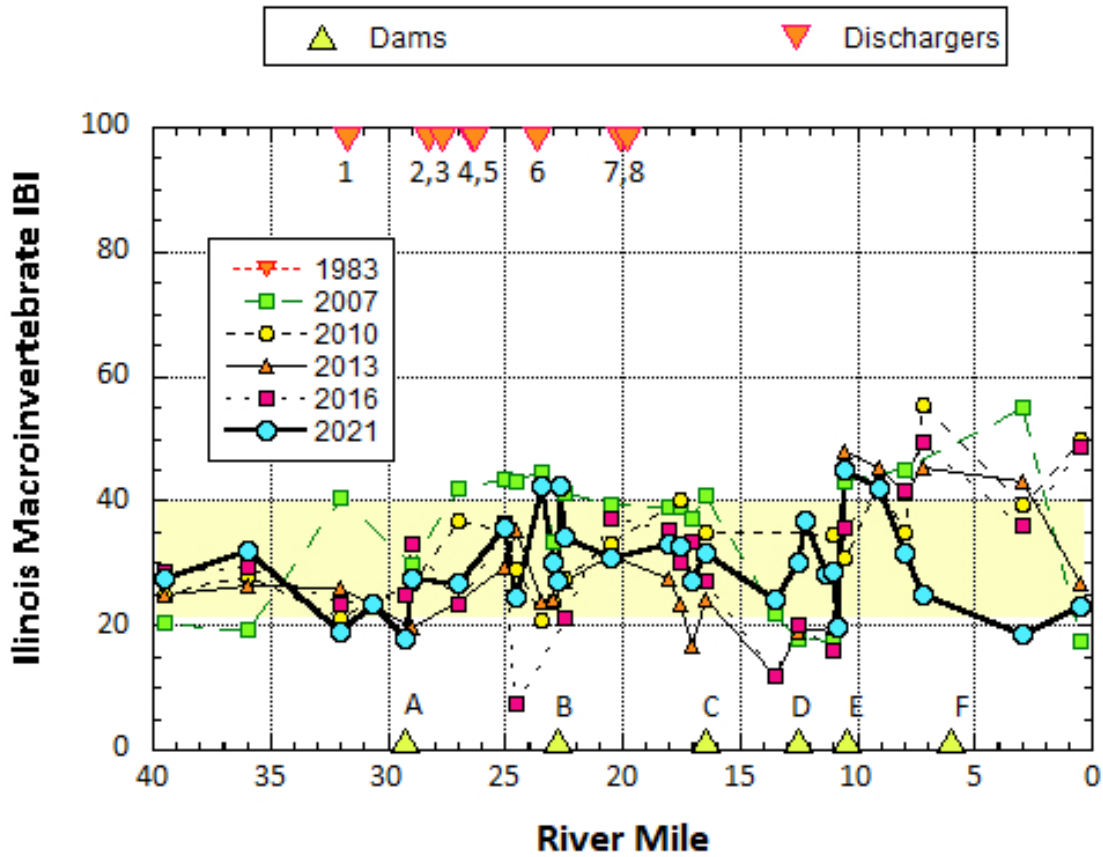
**Table 3. 2021 Salt Creek Bioassessment Sampling Sites and Frequency of Sampling**

| Site ID | RIVER                      | Latitude  | Longitude  | Frequency of Sampling during the 2021 Bioassessment |      |                 |        |                |          |         |                |   |
|---------|----------------------------|-----------|------------|---|------|-----------------|--------|----------------|----------|---------|----------------|---|
|         |                            |           |            | Biological Sampling                                 | QHEI | Demand/Nutrient | Metals | Water Organics | Sediment | Sulfate | Oil and Grease |   |
| SC01    | Tributary to Salt Creek    | 42.143664 | -88.078158 | 1   | 1    | 2               |        |                |          |         |                |   |
| SC02    | Tributary to Salt Creek    | 42.11327  | -88.082431 | 1   | 1    | 2               |        |                |          |         |                |   |
| SC03    | Salt Creek                 | 42.108005 | -88.083462 | 1   | 1    | 2               |        |                |          |         |                |   |
| SC04    | Salt Creek                 | 42.110637 | -88.062385 | 1   | 1    | 4               |        |                |          |         |                |   |
| SC05    | Tributary to Salt Creek    | 42.12518  | -88.039411 | 1   | 1    | 2               |        |                |          |         |                |   |
| SC06    | Tributary to Salt Creek    | 42.116387 | -88.012306 | 1   | 1    | 2               |        |                |          |         |                |   |
| SC07    | Salt Creek                 | 42.077084 | -88.053031 | 1   | 1    | 4               | 4      |                |          |         |                |   |
| SC08    | Tributary to Salt Creek    | 42.067958 | -88.019216 | 1   | 1    | 4               |        |                |          |         |                |   |
| SC11    | Tributary to Salt Creek    | 42.028369 | -88.055516 | 1   | 1    | 4               |        |                |          |         |                |   |
| SC12    | Tributary to Salt Creek    | 42.025566 | -88.063601 | 1   | 1    | 2               |        |                |          |         |                |   |
| SC13    | Tributary to Salt Creek    | 42.015691 | -88.054162 | 1   | 1    | 2               |        |                |          |         |                |   |
| SC14    | Tributary to Salt Creek    | 42.017338 | -88.045095 | 1   | 1    | 4               | 4      |                |          |         |                |   |
| SC15    | Salt Creek                 | 42.051095 | -88.008992 | 1   | 1    | 6               | 4      |                | 1        | 1       |                | 1 |
| SC16    | Spring Brook               | 41.971781 | -87.998034 | 1   | 1    | 6               | 4      |                | 1        | 1       |                | 1 |
| SC17    | Spring Brook               | 41.967116 | -88.046834 | 1   | 1    | 4               |        |                |          |         |                |   |
| SC18    | Spring Brook               | 41.958246 | -88.06508  | 1   | 1    | 4               |        |                |          |         |                |   |
| SC19    | Meacham Creek              | 41.995347 | -88.051359 | 1   | 1    |                 |        |                |          |         |                |   |
| SC20    | Tributary to Meacham Creek | 41.988298 | -88.054429 | 1   | 1    | 2               |        |                |          |         |                |   |
| SC21    | Spring Brook               | 41.97324  | -88.079282 | 1   | 1    | 2               | 2      | 1              |          | 1       |                |   |
| SC22    | Westwood Creek             | 41.93982  | -87.992964 | 1   | 1    | 4               |        | 1              |          | 1       |                |   |
| SC23    | Salt Creek                 | 41.936938 | -87.984234 | 1   | 1    | 9               | 6      | 1              |          | 1       |                |   |
| SC24    | Addison Creek              | 41.946217 | -87.926124 | 1   | 1    | 2               |        |                |          |         |                |   |
| SC25    | Tributary to Addison Creek | 41.937825 | -87.939885 | 1   | 1    | 2               |        |                |          |         |                |   |
| SC26    | Addison Creek              | 41.928711 | -87.910687 | 1   | 1    | 4               |        |                |          |         |                |   |
| SC27    | Addison Creek              | 41.898963 | -87.883344 | 1   | 1    | 4               | 4      |                |          |         |                |   |
| SC28    | Addison Creek              | 41.861162 | -87.867743 | 1   | 1    | 6               | 4      |                |          | 1       | 1              | 1 |
| SC29    | Salt Creek                 | 41.818297 | -87.833708 | 1   | 1    | 12              | 6      | 1              |          | 1       | 1              | 1 |
| SC30    | Ginger Creek               | 41.837873 | -87.970817 | 1   | 1    | 2               |        |                |          |         |                |   |
| SC31    | Ginger Creek               | 41.839376 | -87.953247 | 1   | 1    | 4               |        |                |          |         |                |   |
| SC32    | Oakbrook Creek             | 41.85377  | -87.948831 | 1   | 1    | 2               |        |                |          |         |                |   |
| SC33    | Sugar Creek                | 41.872959 | -87.959728 | 1   | 1    | 4               |        |                |          |         |                |   |
| SC34    | Salt Creek                 | 41.951765 | -87.986441 | 1   | 1    | 9               | 6      | 1              |          | 1       |                |   |
| SC35    | Salt Creek                 | 41.944091 | -87.981079 | 1   | 1    | 9               | 6      | 1              |          | 1       |                |   |
| SC35A   | Salt Creek                 | 41.9425   | -87.9821   | 1   | 1    |                 |        |                |          |         |                |   |
| SC35B   | Salt Creek                 | 41.94112  | -87.983    | 1   | 1    |                 |        |                |          |         |                |   |
| SC36    | Oak Brook                  | 41.850896 | -87.958463 | 1   | 1    | 2               |        |                |          |         |                |   |
| SC37    | Salt Creek                 | 41.885162 | -87.959927 | 1   | 1    | 9               | 3      | 1              |          | 1       |                |   |
| SC38    | Salt Creek                 | 41.890375 | -87.964024 | 1   | 1    | 9               | 6      | 1              |          | 1       |                |   |
| SC39    | Salt Creek                 | 41.919985 | -87.972745 | 1   | 1    | 9               | 6      | 1              |          | 1       |                |   |
| SC40    | Salt Creek                 | 41.962745 | -87.98439  | 1   | 1    | 9               | 6      | 1              |          | 1       |                |   |
| SC41    | Salt Creek                 | 41.970302 | -87.988175 | 1   | 1    | 9               | 6      | 1              |          | 1       |                |   |
| SC42    | Salt Creek                 | 41.991326 | -87.994485 | 1   | 1    | 6               | 4      |                |          | 1       |                |   |
| SC43    | Salt Creek                 | 42.011973 | -88.00092  | 1   | 1    | 6               | 4      | 1              |          | 1       | 1              | 1 |
| SC44    | Salt Creek                 | 42.01602  | -88.000508 | 1   | 1    | 6               | 4      | 1              |          | 1       |                |   |
| SC45    | Tributary to Salt Creek    | 42.084211 | -88.019856 | 1   | 1    | 4               | 4      | 1              |          | 1       |                |   |
| SC46    | Spring Brook               | 41.966727 | -88.077424 | 1   | 1    | 2               | 2      | 1              |          | 1       |                |   |
| SC47    | Spring Brook               | 41.963342 | -88.031508 | 1   | 1    | 6               | 4      | 1              |          | 1       |                |   |
| SC48    | Addison Creek              | 41.872732 | -87.868775 | 1   | 1    | 6               | 4      |                |          | 1       |                |   |
| SC49    | Salt Creek                 | 41.825756 | -87.900036 | 1   | 1    | 9               | 6      | 1              |          | 1       | 1              | 1 |
| SC50    | Salt Creek                 | 42.021262 | -88.004911 | 1   | 1    | 6               | 4      |                |          | 1       |                |   |
| SC51    | Salt Creek                 | 41.875767 | -87.95799  | 1   | 1    | 9               | 6      |                |          | 1       | 1              | 1 |
| SC52    | Salt Creek                 | 41.820328 | -87.926117 | 1   | 1    | 9               | 6      |                |          | 1       |                |   |
| SC53    | Salt Creek                 | 41.825544 | -87.931557 | 1   | 1    | 9               | 6      |                |          | 1       |                |   |
| SC53A*  | Salt Creek                 | 41.82112  | -87.9286   | 1   | 1    |                 |        |                |          |         |                |   |
| SC54    | Salt Creek                 | 41.845607 | -87.851945 | 1   | 1    | 12              | 6      |                |          | 1       |                |   |
| SC55    | Salt Creek                 | 41.84763  | -87.936374 | 1   | 1    | 6               | 6      |                |          |         |                |   |
| SC56    | Salt Creek                 | 41.832606 | -87.941979 | 1   | 1    | 6               | 6      |                |          |         |                |   |
| SC56A*  | Salt Creek                 | 41.8306   | -87.940435 | 1   | 1    |                 |        |                |          |         |                |   |
| SC56B*  | Salt Creek                 | 41.830287 | -87.931866 | 1   | 1    |                 |        |                |          |         |                |   |
| SC56C*  | Salt Creek                 | 41.82849  | -87.93059  | 1   | 1    |                 |        |                |          |         |                |   |
| SC57    | Salt Creek                 | 41.873713 | -87.95526  | 1   | 1    | 9               | 6      |                |          |         |                |   |
| SC59    | Salt Creek                 | 41.82608  | -87.91459  | 1   | 1    | 12              | 6      |                |          |         |                |   |
| SC60    | Salt Creek                 | 41.82595  | -87.88617  | 1   | 1    | 12              | 6      |                |          |         |                |   |
| SCBR    | Salt Creek                 |           |            |   |      | 6               |        |                |          |         |                |   |



Table 4 and Table 5 include the key to dams and Wastewater Treatment Plants (WWTP) discharges denoted on the mIBI figure (Figure 7) for Salt Creek.

**Figure 7.** Macroinvertebrate IBI scores in Salt Creek, 1983, 2007, 2010, 2013, 2016, and 2021 in relation to municipal WWTP dischargers and dams.



**Table 4.** Key to dams on the dam included on the Salt Creek IBI, QHEI, and water chemistry figures

| Figure Reference | Name of Dam                        |
|------------------|------------------------------------|
| A                | Busse Woods Dam                    |
| B                | Oak Meadows Dam (removed in 2016)  |
| C                | Graham Center Dam                  |
| D                | Old Oak Brook Dam                  |
| E                | Fullersburg Woods (Graue Mill) Dam |
| F                | Possum Hollow Woods Dam            |





*Table 5. Key to POTW dischargers on the Salt Creek IBI, QHEI, and water chemistry figures*

| Figure Reference | WWTP Discharge               |
|------------------|------------------------------|
| 1                | MWRDGC Egan WRP              |
| 2                | Itasca STP                   |
| 3                | Wood Dale North STP          |
| 4                | Wood Dale South STP          |
| 5                | Addison North STP            |
| 6                | Addison South - Larocca STP  |
| 7                | Salt Creek Sanitary District |
| 8                | Elmhurst WWTP                |

### **DISSOLVED OXYGEN (DO) MONITORING**

#### Background and Methodology

The Illinois Environmental Protection Agency (IEPA) report, Illinois 2004 Section 303(d) List, listed dissolved oxygen (DO) as a potential impairment in Salt Creek, and the East and West Branches of the DuPage River. The report suggested that the DO levels in selected reaches of these waterways might periodically fall to levels below those required by healthy aquatic communities.

All rivers and creeks in DuPage County are classified as General Use Waters. The present water quality standards for dissolved oxygen in General Use Waters is:

1. During the period of March through July
  - a. 5.0 mg/L at any time; and
  - b. 6.0 mg/L as a daily mean averaged over 7 days.
2. During the period of August through February,
  - a. 3.5 mg/L at any time;
  - b. 4.0 mg/L as a daily minimum averaged over 7 days; and
  - c. 5.5 mg/L as a daily mean averaged over 30 days.

Following listing on the 303 (d) list two (2) DO TMDLs were prepared by the IEPA for Salt Creek and the East Branch of the DuPage River in 2004 and two (2) DO TMDLs were prepared for the West Branch DuPage River and Spring Brook #1 in 2019. In response to the TMDLs, the DRSCW committed to develop and manage a continuous long-term DO monitoring plan for the project area in order to assess the nature and extent of the DO impairment and to allow the design of remedial projects. The continuous DO data is also used to assess the impact of DO improvement projects such as the Churchill Woods and Oak Meadow dam removals.



## DuPage River Salt Creek Workgroup

In 2022, the DRSCW in collaboration with DuPage County Stormwater Management gathered continuous DO data via water quality sondes at four (4) sites on Salt Creek (SCBW, SCOM, SCBR SCFW), five (5) sites on the East Branch DuPage River (EBAR, EBCB, EBHL, EBHR, EBWL), and five (5) sites on the West Branch DuPage River (WBAD, WBBR, WBWD, WBMG, WBNPV) that will be utilized in the calibration and verification of the updated QUAL2Kw models. The Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) also typically monitors one (1) additional location on Salt Creek. All sondes are deployed from May through October and collected DO, temperature, conductivity, and pH on an hourly basis. The continuous DO monitoring program functions under a quality assurance plan agreed on with the IEPA (<http://drscw.org/wp/dissolved-oxygen/>). Details on the site location are included in Table 6 and site locations for 2022 are included on Map 3.

### Results

Results of the continuous DO monitoring conducted in the summer of 2022 is included in Figure 8 to Figure 22.

**Table 6.** 2022 Continuous DO monitoring locations in the DRSCW watersheds in 2021.

| Site ID | Stream Name         | River Mile | Latitude  | Longitude  | Location                                   |
|---------|---------------------|------------|-----------|------------|--|
| WBAD    | W. Br. DuPage River | 29.9       | 41.9750   | -88.1386   | Arlington Drive                            |
| WBBR    | W. Br. DuPage River | 11.7       | 41.825268 | -88.179456 | Butterfield Road                           |
| WBWD    | W. Br. DuPage River | 11.1       | 41.82027  | -88.17212  | Downstream of former Warrenville Grove Dam |
| WBMG    | W. Br. DuPage River | 8.6        | 41.795928 | -88.187263 | Upstream of former McDowell Grove Dam      |
| WBNPV   | W. Br. DuPage River | 3.0        | 41.74029  | -88.126879 | Downstream Bailey Road                     |
| EBAR    | E. Br. DuPage River | 23.0       | 41.935171 | -88.05843  | Army Trail Road                            |
| EBCB    | E. Br. DuPage River | 18.8       | 41.88510  | -88.04110  | Crescent Boulevard                         |
| EBHL    | E. Br. DuPage River | 14.0       | 41.82570  | -88.05316  | Hidden Lake Preserve                       |
| EBHR    | E. Br. DuPage River | 8.5        | 41.76800  | -88.07160  | Hobson Road                                |
| EBWL    | E. Br. DuPage River | 3.8        | 41.712315 | -88.094842 | Whalon Lake                                |
| SCBW    | Salt Creek          | 29.4       | 42.01630  | -88.00061  | Downstream of Busse Woods Dam (MWRDGC)     |
| SCOM    | Salt Creek          | 23.0       | 41.941279 | -87.983363 | Upstream of former Oak Meadows Dam         |
| SCBR    | Salt Creek          | 16.1       | 41.864686 | -87.95073  | Butterfield Road                           |
| SCFW    | Salt Creek          | 11.1       | 41.825493 | -87.93158  | Fullersburg Woods impoundment              |
| SCWR    | Salt Creek          | 8.1        | 41.82576  | -87.90045  | Wolf Road (MWRDGC)                         |



Figure 8. 2022 Dissolved Oxygen plot for the West Branch DuPage River at Arlington Drive (WBAD)

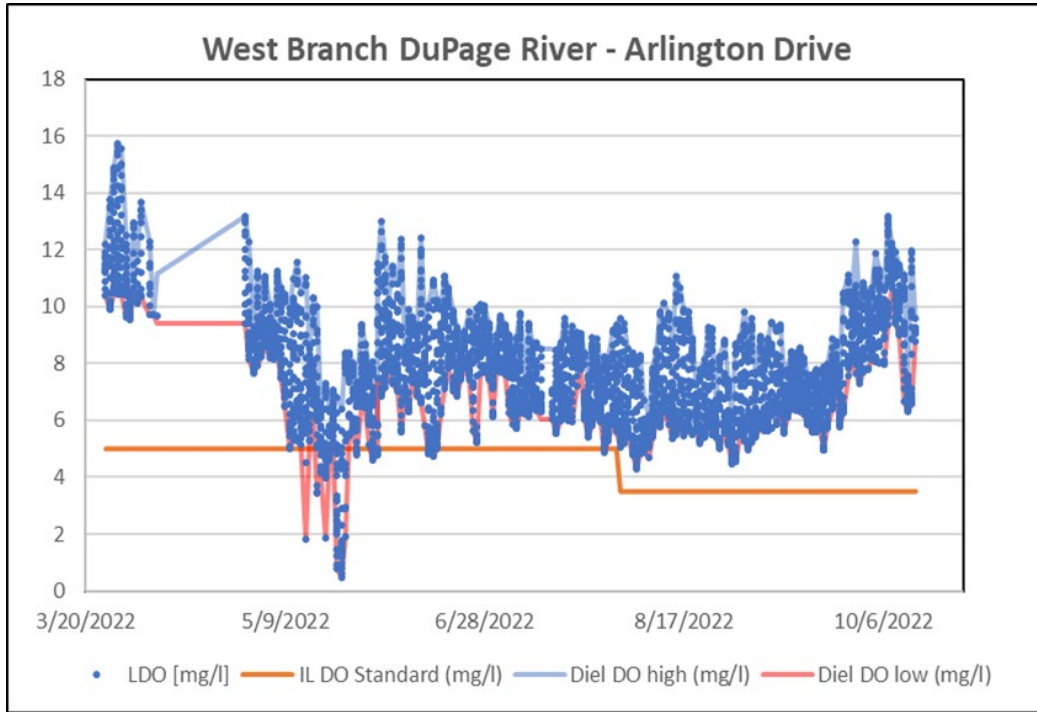


Figure 9. 2022 Dissolved Oxygen plot for the West Branch DuPage River at Butterfield Road (WBBR)

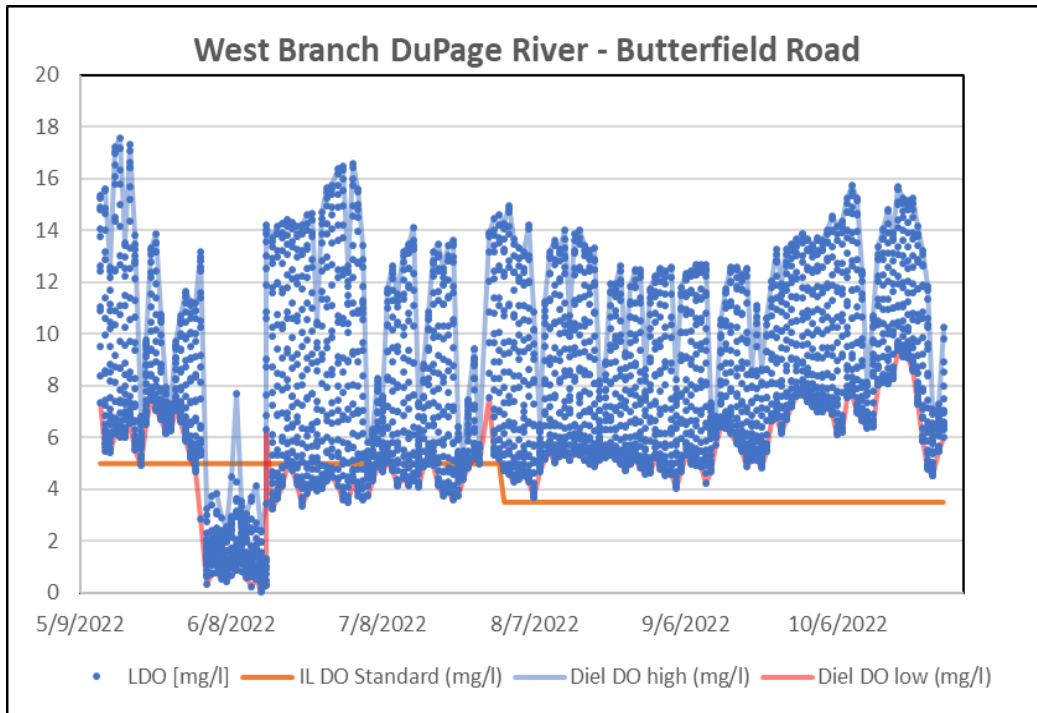




Figure 10. 2022 Dissolved Oxygen plot for the West Branch DuPage River downstream of former Warrenville Grove Dam (WBWD)

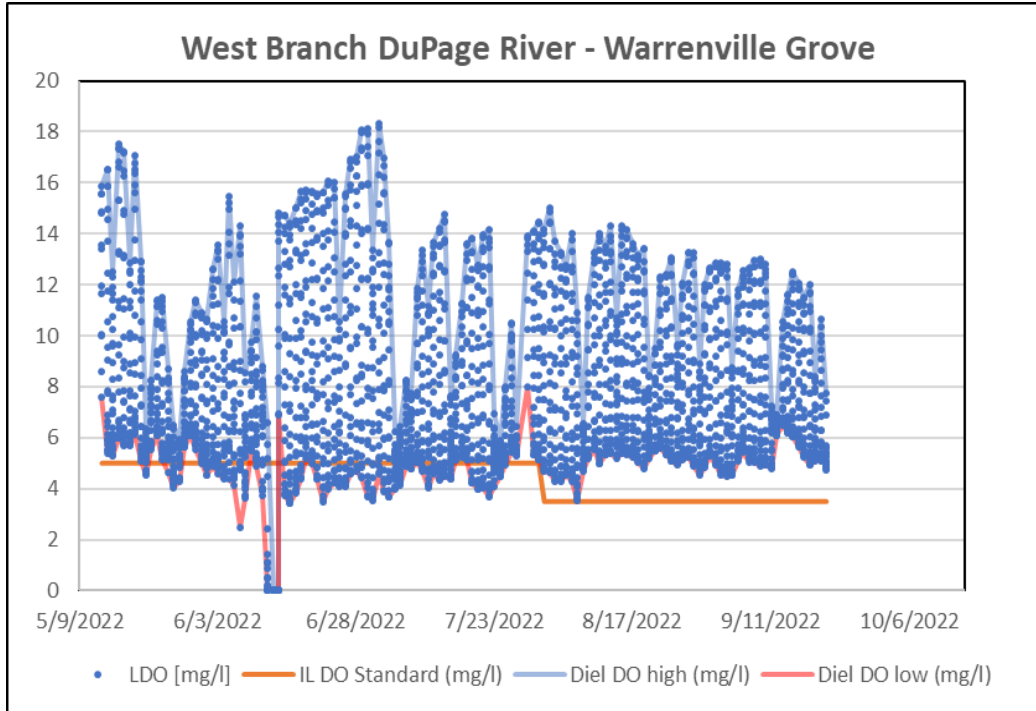
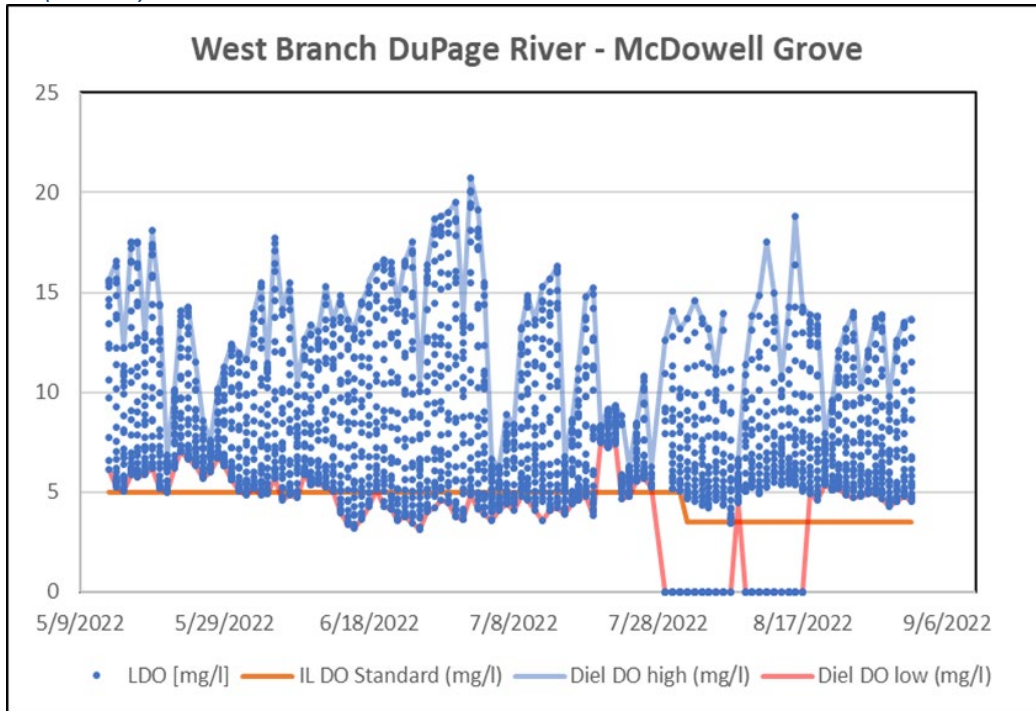
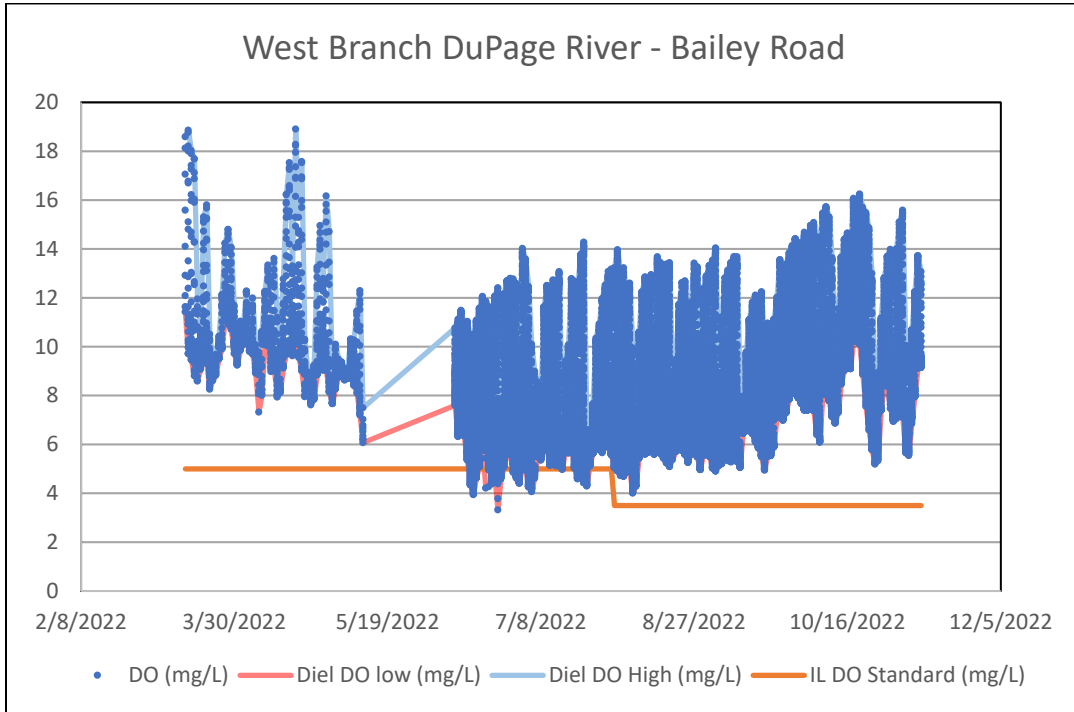


Figure 11. 2022 Dissolved Oxygen plot for the West Branch DuPage River upstream of former McDowell Grove Dam (WBMG)

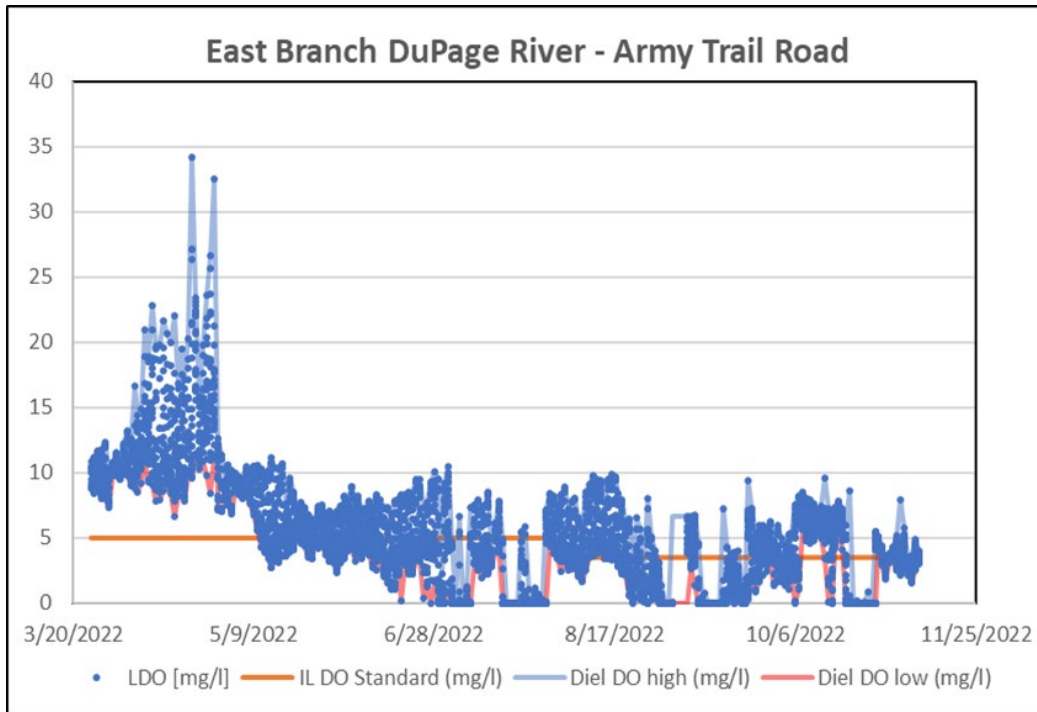




**Figure 12.** 2022 Dissolved Oxygen plot for the West Branch DuPage River at Bailey Road (WBNPV)

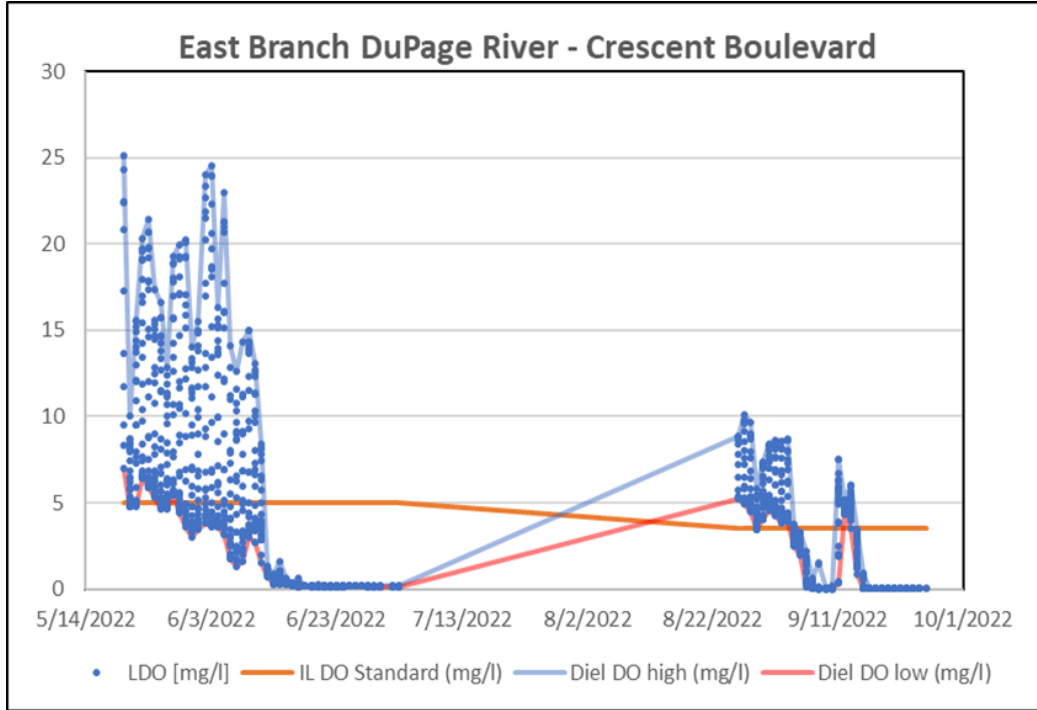


**Figure 13.** 2022 Dissolved Oxygen plot for the East Branch DuPage River at Army Trail Road (WBAR)





**Figure 14.** 2022 Dissolved Oxygen plot for the East Branch DuPage River at Crescent Boulevard (EBCB)



**Figure 15.** 2022 Dissolved Oxygen plot for the East Branch DuPage River at Hidden Lake Preserve (EBCB)

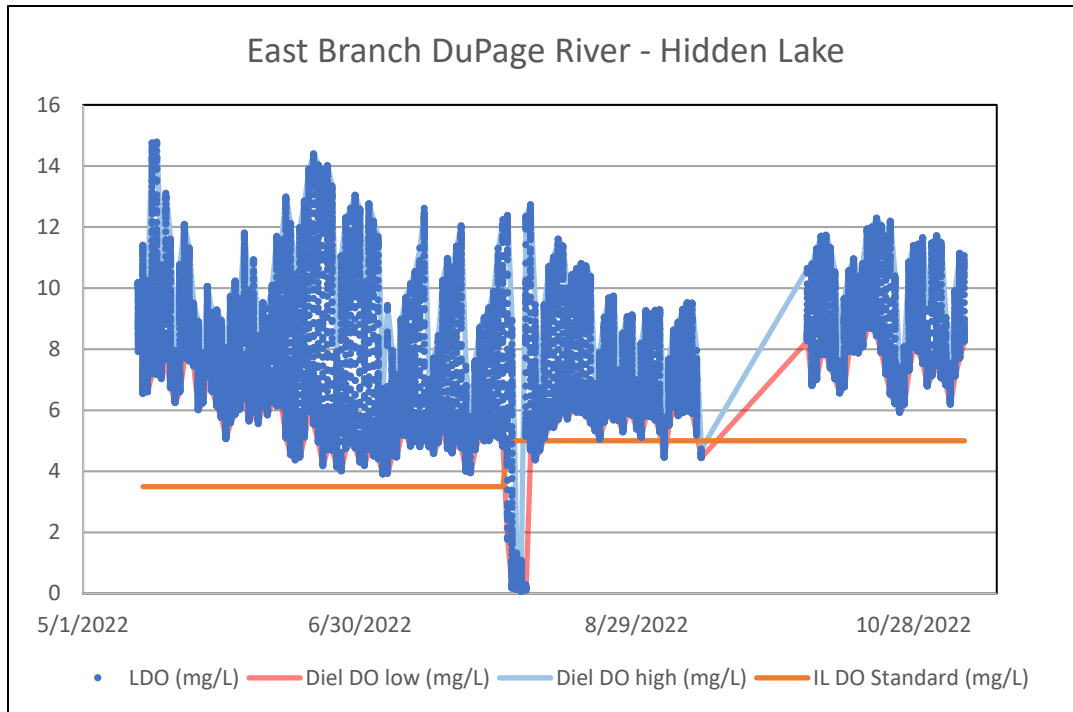




Figure 16. 2022 Dissolved Oxygen plot for the East Branch DuPage River at Hobson Road (EBHR)

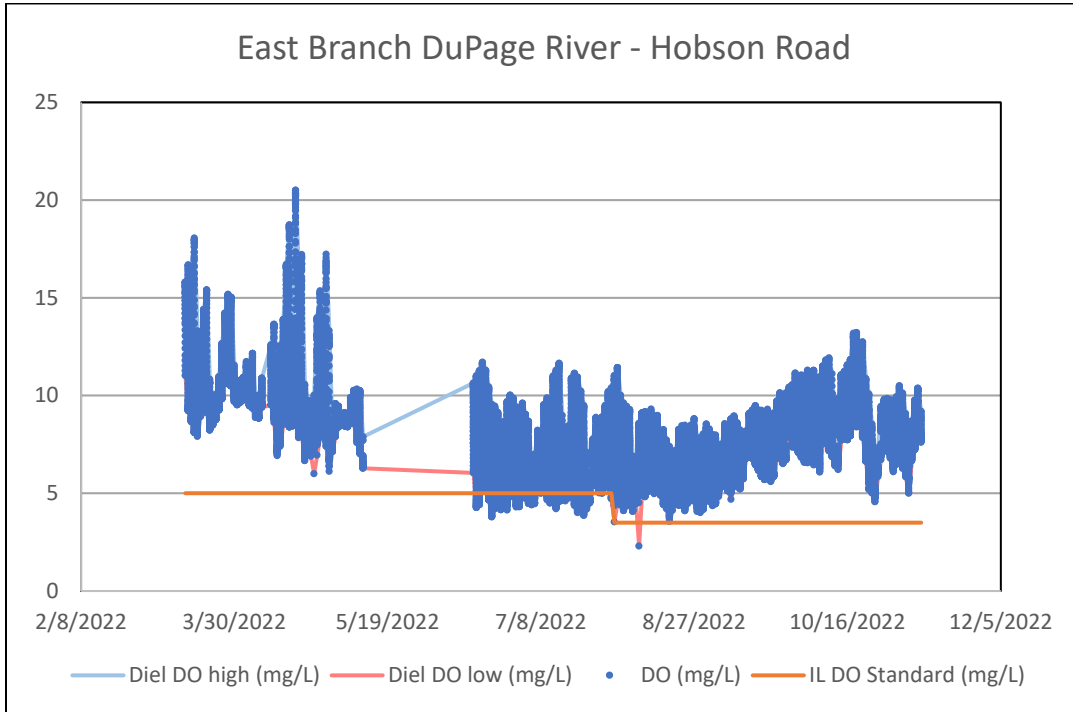


Figure 17. 2022 Dissolved Oxygen plot for the East Branch DuPage River at Whalon Lake (EBWL)

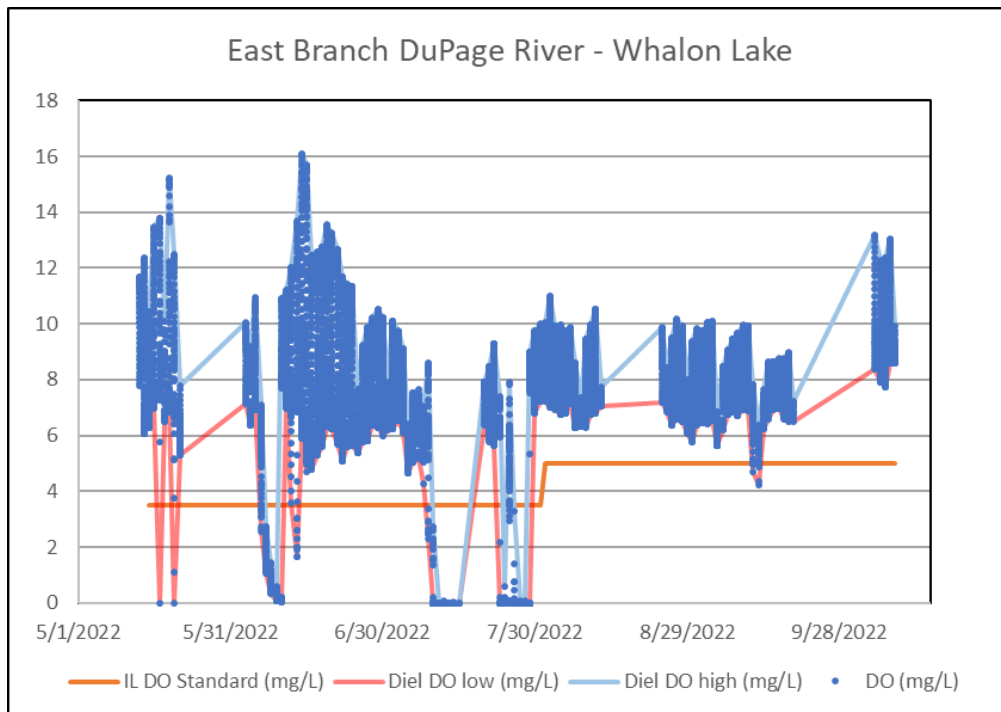




Figure 18. 2022 Dissolved Oxygen plot for Salt Creek downstream of Busse Woods Dam (SCBW)

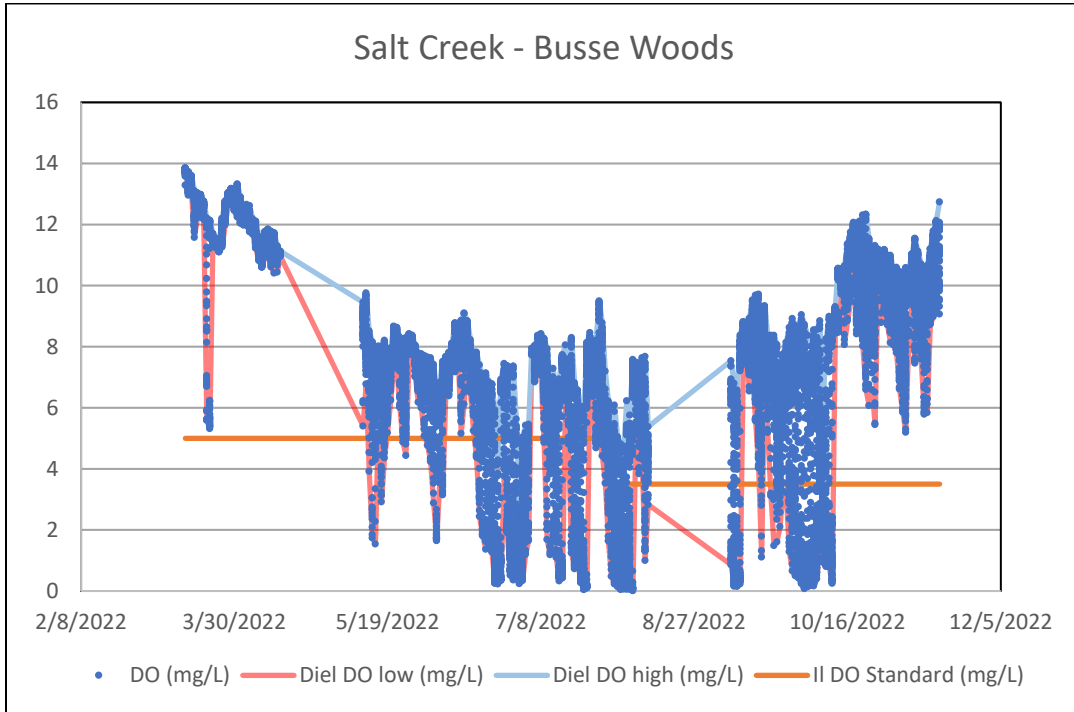


Figure 19. 2022 Dissolved Oxygen plot for Salt Creek upstream of former Oak Meadows Dam (SCOM)

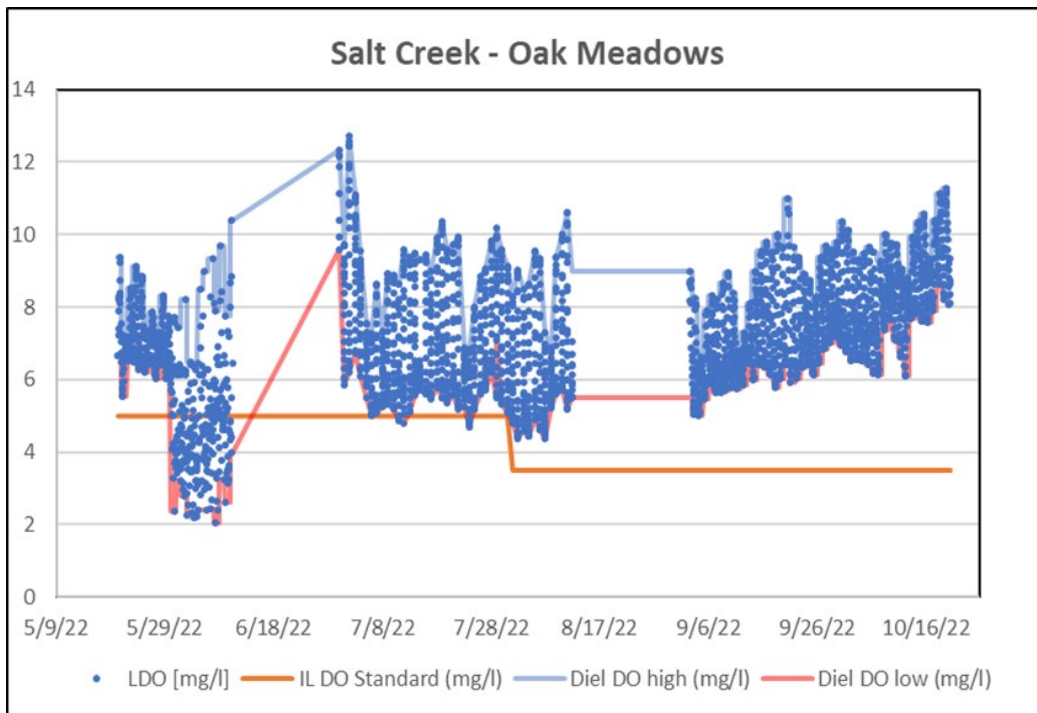






Figure 20. 2022 Dissolved Oxygen plot for Salt Creek at Butterfield Road (SCBR)

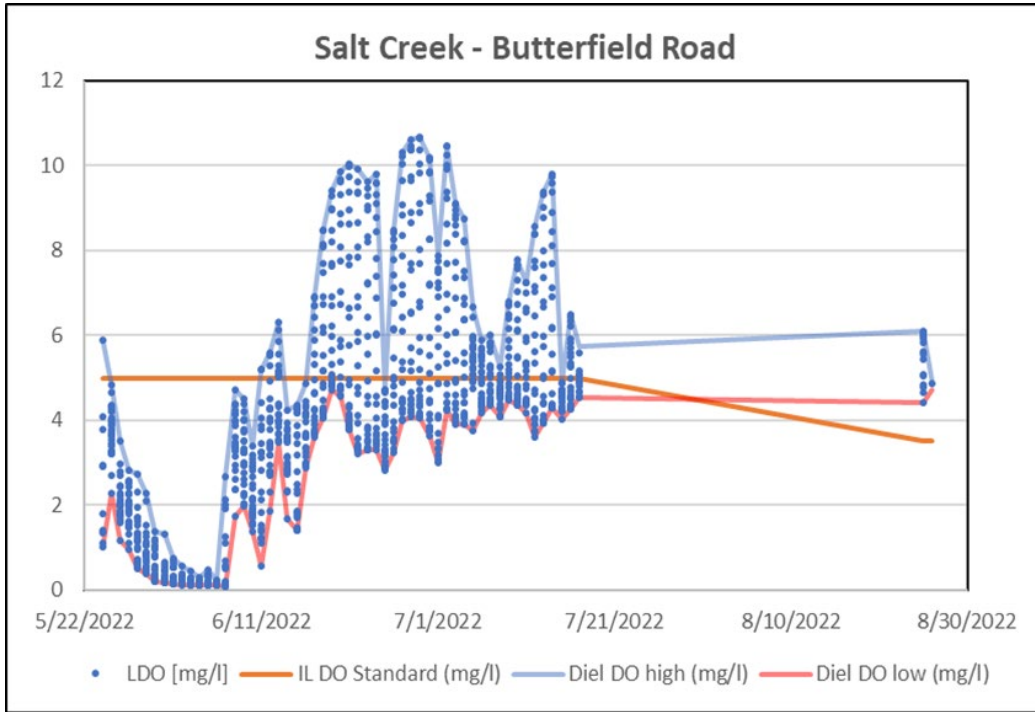
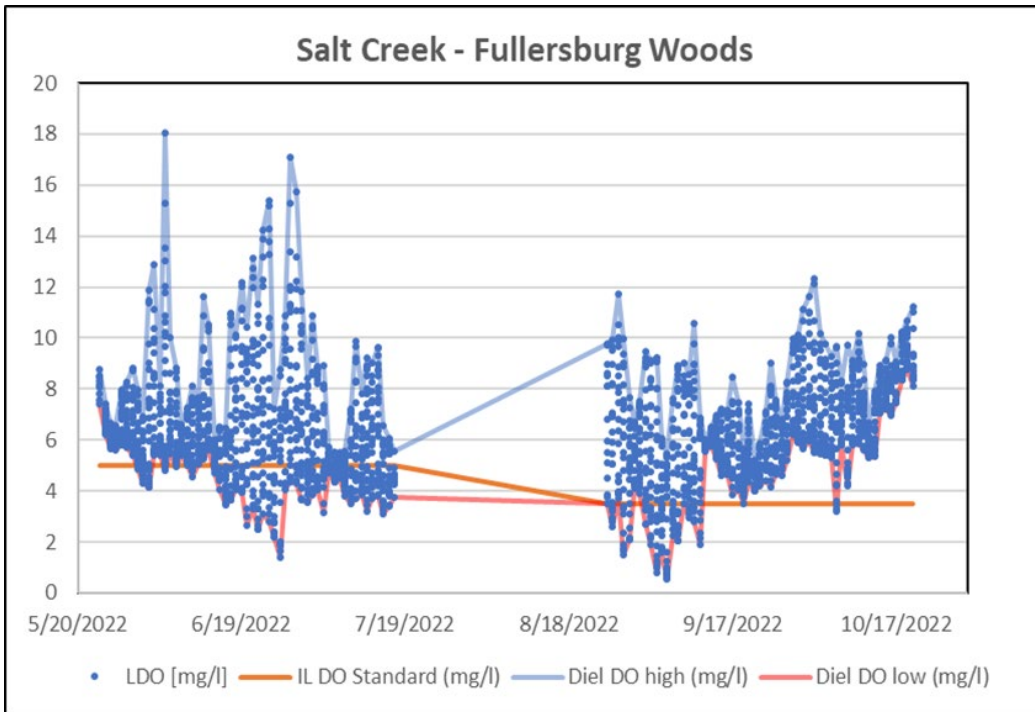
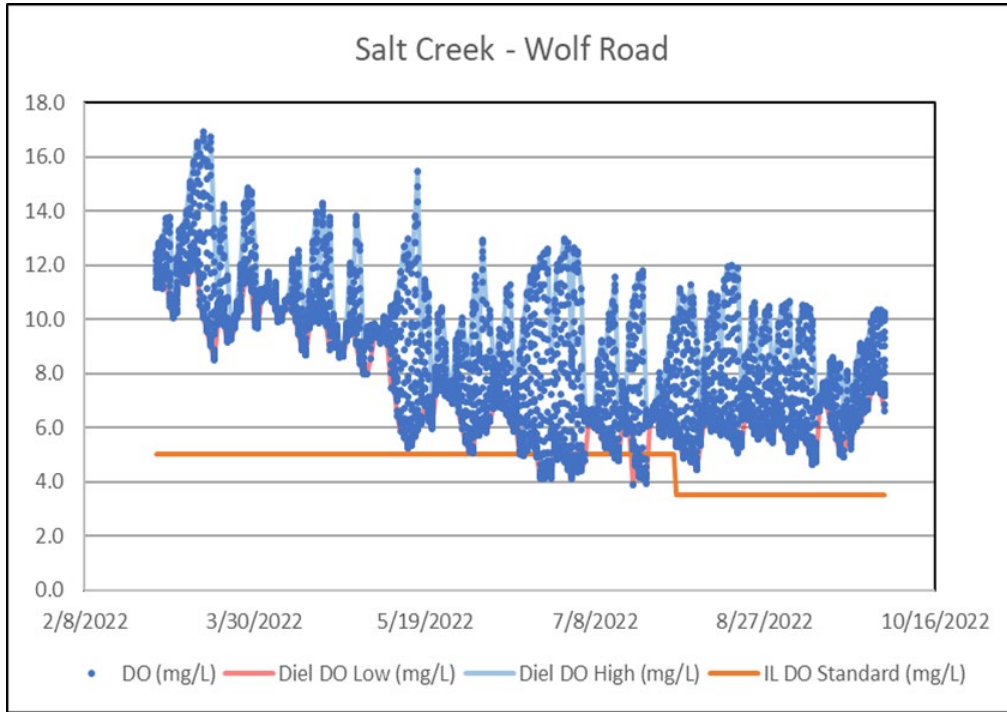


Figure 21. 2022 Dissolved Oxygen plot for Salt Creek in the Fullersburg Woods impoundment (SCFW)





**Figure 22.** 2022 Dissolved Oxygen plot for Salt Creek at Wolf Road (SCWR)



**EXPANDED DO MONITORING**

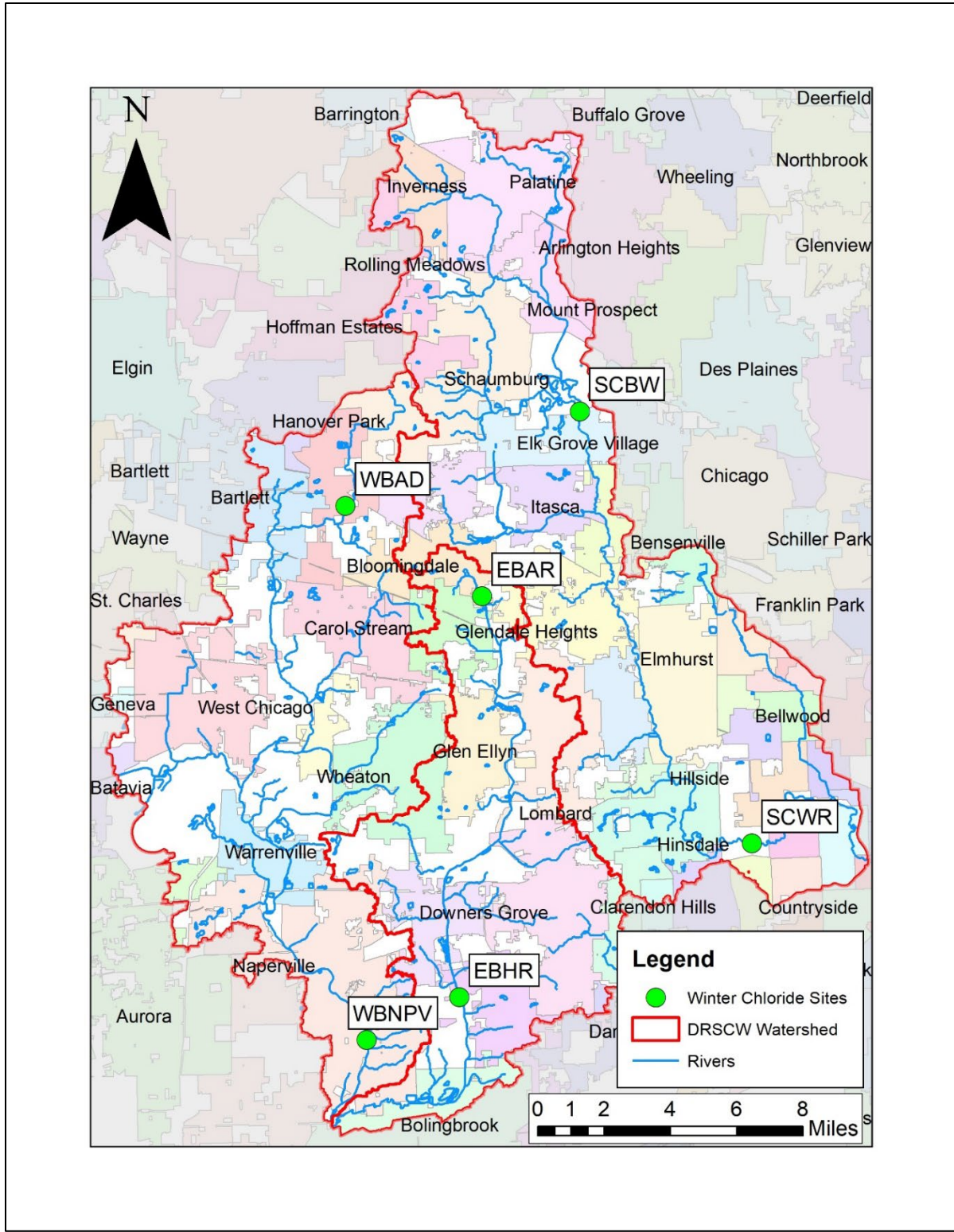
In 2019, the DRSCW began their expanded DO Monitoring Program as a means to collect additional data to support the calibration/validation of the QUAL2Kw models and to support the development of the Nutrient Implementation Plan (NIP). This program is coordinated with the Bioassessment Program (see Table 7 for schedule). No expanded DO sampling was conducted in 2022.

**Table 7.** Schedule for Expanded DO Monitoring

| Basin                    | Year of Expanded DO Monitoring Completed | Year of Expanded DO Monitoring Scheduled |
|--------------------------|--|--|
| East Branch DuPage River | 2019                                     | 2023                                     |
| West Branch DuPage River | 2020                                     | 2025                                     |
| Salt Creek               | 2021                                     | 2027                                     |



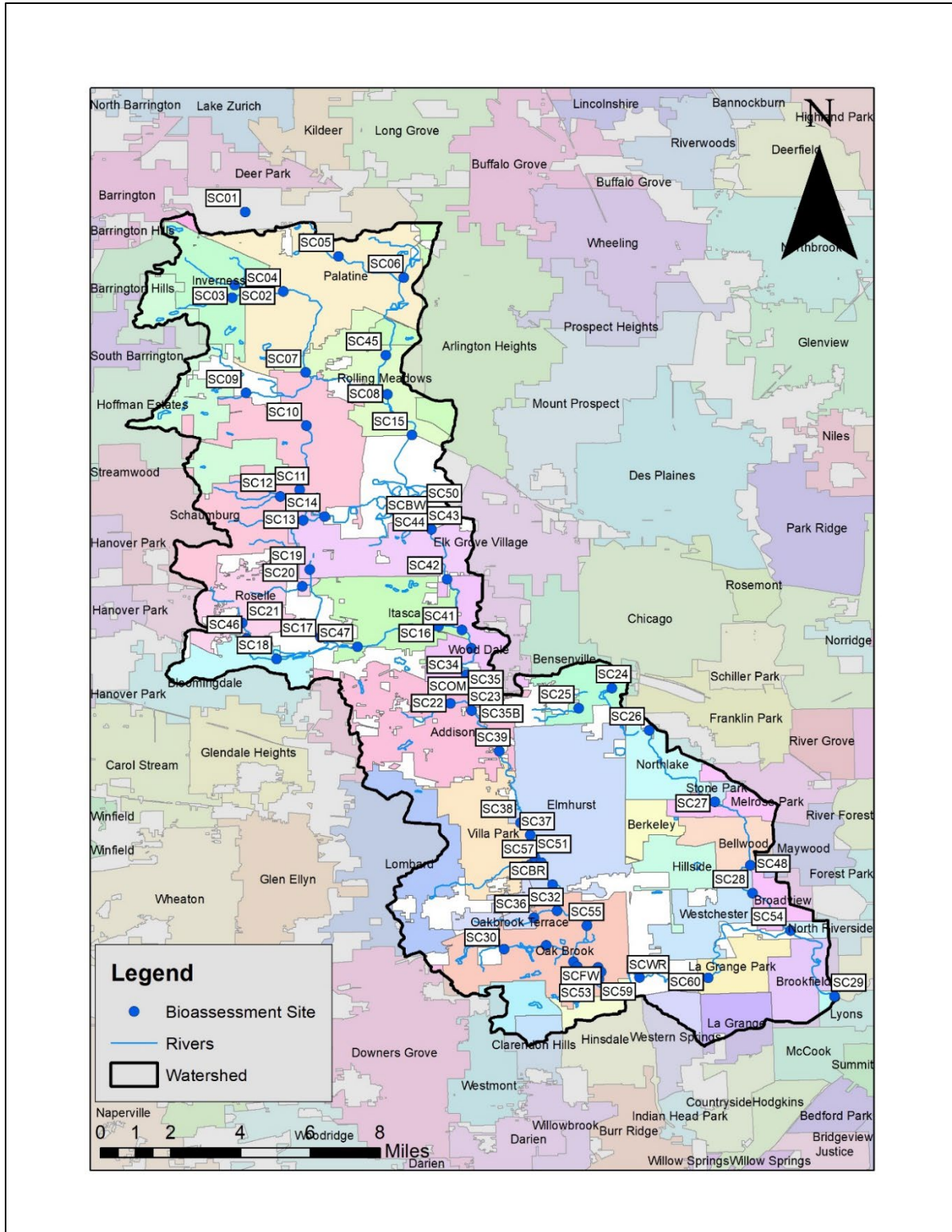
DuPage River Salt Creek Workgroup



Map 1. Ambient chloride monitoring sites in the DRSCW watershed (2022)



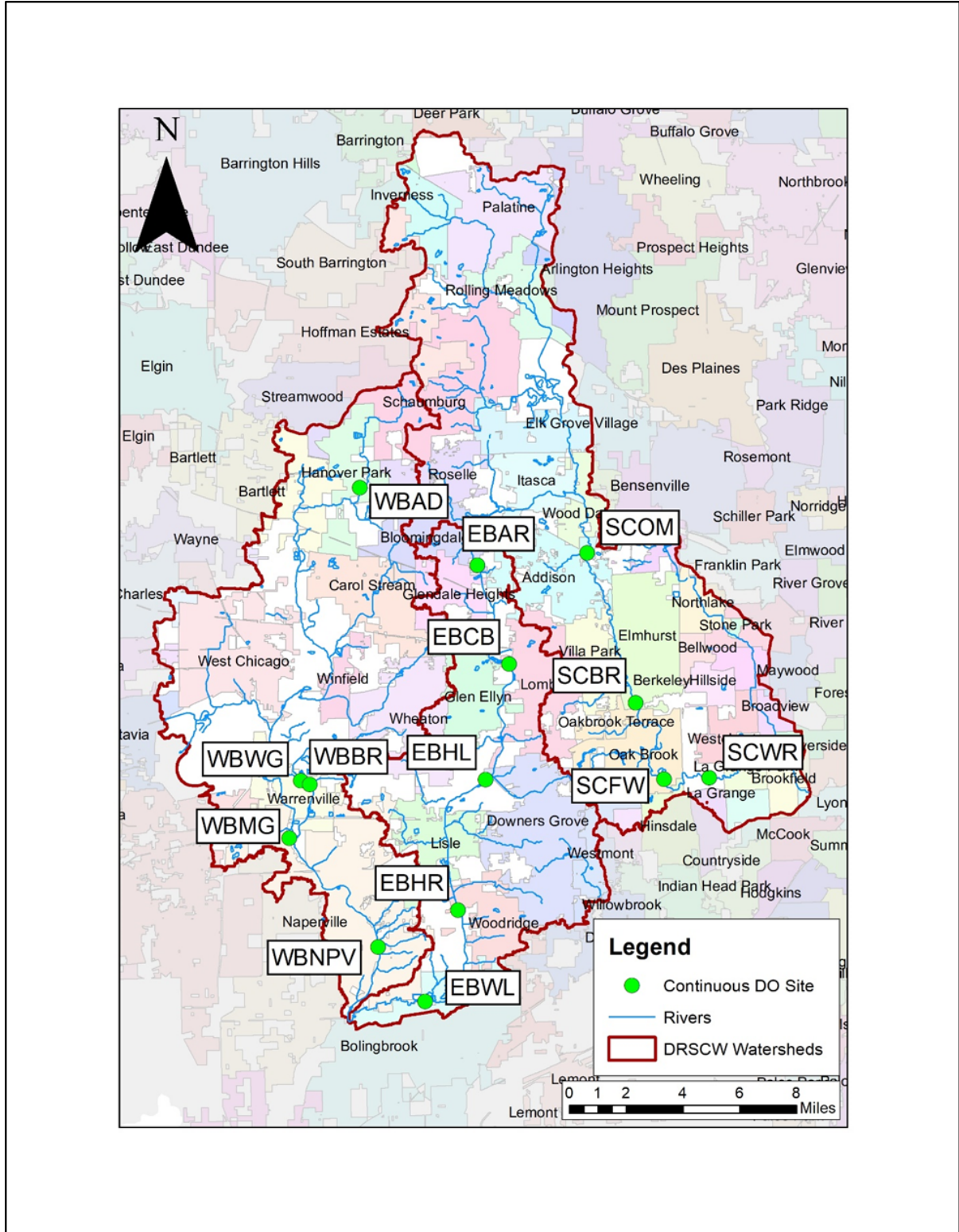
## DuPage River Salt Creek Workgroup



Map 2. Bioassessment sites in the Salt Creek watershed (2021)



### DuPage River Salt Creek Workgroup



Map 3. Continuous DO monitoring sites in the DRSCW watersheds (2022)



**DuPage River Salt Creek Workgroup**

**Attachment 1**

2022 Public Roads Deicing Workshop  
Attendees List

# Attachment 1.

## 2022 Public Roads Deicing Workshop Attendees (organized by County)

| Date                 | Workshop                      | Agency                                      | County          |
|----------------------|-------------------------------|---|-----------------|
| October 6th, 2022    | Public Roads Deicing Workshop | Village of Arlington Heights                | Cook            |
| September 27th, 2022 | Public Roads Deicing Workshop | DGO Premium Services Co.                    | Cook            |
| October 6th, 2022    | Public Roads Deicing Workshop | Village of Homewood                         | Cook            |
| October 5th, 2022    | Public Roads Deicing Workshop | Village of Lemont                           | Cook            |
| September 27th, 2022 | Public Roads Deicing Workshop | Village of Lemont Public Works              | Cook            |
| October 5th, 2022    | Public Roads Deicing Workshop | Village of Midlothian Public Works          | Cook            |
| September 27th, 2022 | Public Roads Deicing Workshop | Village of Midlothian Public Works          | Cook            |
| October 5th, 2022    | Public Roads Deicing Workshop | Morton Grove Public Works                   | Cook            |
| October 5th, 2022    | Public Roads Deicing Workshop | Village of Streamwood Public Works          | Cook            |
| October 5th, 2022    | Public Roads Deicing Workshop | Morton Grove Public Works                   | Cook            |
| October 5th, 2022    | Public Roads Deicing Workshop | Metropolitan Water Reclamation District     | Cook            |
| September 27th, 2022 | Public Roads Deicing Workshop | Metropolitan Water Reclamation District     | Cook            |
| October 5th, 2022    | Public Roads Deicing Workshop | Palatine Township Road District             | Cook            |
| October 5th, 2022    | Public Roads Deicing Workshop | Village of Park Forest                      | Cook            |
| October 5th, 2022    | Public Roads Deicing Workshop | Richton Park                                | Cook            |
| September 27th, 2022 | Public Roads Deicing Workshop | Village of Skokie                           | Cook            |
| September 27th, 2022 | Public Roads Deicing Workshop | Village of South Holland Public Works Dept. | Cook            |
| September 27th, 2022 | Public Roads Deicing Workshop | Village of Wilmette                         | Cook            |
| October 5th, 2022    | Public Roads Deicing Workshop | Illinois Tollway                            | DeKalb          |
| October 5th, 2022    | Public Roads Deicing Workshop | Illinois Tollway                            | DeKalb          |
| September 27th, 2022 | Public Roads Deicing Workshop | Village of Addison                          | DuPage          |
| October 5th, 2022    | Public Roads Deicing Workshop | Village of Bartlett                         | DuPage          |
| October 5th, 2022    | Public Roads Deicing Workshop | Village of Bloomingdale                     | DuPage          |
| October 5th, 2022    | Public Roads Deicing Workshop | Village of Carol Stream                     | DuPage          |
| October 5th, 2022    | Public Roads Deicing Workshop | City of Darien                              | DuPage          |
| September 27th, 2022 | Public Roads Deicing Workshop | Forest Preserve District of Dupage County   | DuPage          |
| October 5th, 2022    | Public Roads Deicing Workshop | Village of Glen Ellyn                       | DuPage          |
| October 5th, 2022    | Public Roads Deicing Workshop | Village of Glendale Heights                 | DuPage          |
| October 6th, 2022    | Public Roads Deicing Workshop | Village of Glendale Heights                 | DuPage          |
| October 6th, 2022    | Public Roads Deicing Workshop | Illinois Tollway Highway Authority          | DuPage          |
| October 5th, 2022    | Public Roads Deicing Workshop | Illinois Tollway Highway Authority          | DuPage          |
| October 6th, 2022    | Public Roads Deicing Workshop | Milton Township Highway Department          | DuPage          |
| October 5th, 2022    | Public Roads Deicing Workshop | Village of Oak Brook Public Works           | DuPage          |
| September 27th, 2022 | Public Roads Deicing Workshop | Village of Villa Park                       | DuPage          |
| October 5th, 2022    | Public Roads Deicing Workshop | City of West Chicago                        | DuPage          |
| October 6th, 2022    | Public Roads Deicing Workshop | City of West Chicago                        | DuPage          |
| September 27th, 2022 | Public Roads Deicing Workshop | York Township Highway Department            | DuPage          |
| October 5th, 2022    | Public Roads Deicing Workshop | Kane County Division of Transportation      | Kane county     |
| September 27th, 2022 | Public Roads Deicing Workshop | Antioch Township Highway Department         | Lake            |
| October 5th, 2022    | Public Roads Deicing Workshop | Avon Township highway                       | Lake            |
| September 27th, 2022 | Public Roads Deicing Workshop | Village of Fox Lake                         | Lake            |
| October 5th, 2022    | Public Roads Deicing Workshop | Fox Lake Public Works Streets Dept.         | Lake            |
| September 27th, 2022 | Public Roads Deicing Workshop | Village of Gurnee Public Works              | Lake            |
| October 6th, 2022    | Public Roads Deicing Workshop | Illinois Tollway Highway Authority          | Lake            |
| October 5th, 2022    | Public Roads Deicing Workshop | Illinois State Toll Highway Authority       | Lake            |
| October 6th, 2022    | Public Roads Deicing Workshop | Village of Lake Zurich                      | Lake            |
| October 5th, 2022    | Public Roads Deicing Workshop | Village of Lindenhurst                      | Lake            |
| October 6th, 2022    | Public Roads Deicing Workshop | Village of Lindenhurst                      | Lake            |
| September 27th, 2022 | Public Roads Deicing Workshop | Newport Township Highway Department         | Lake            |
| September 27th, 2022 | Public Roads Deicing Workshop | Village of Round Lake                       | Lake            |
| October 6th, 2022    | Public Roads Deicing Workshop | Village of Bolingbrook                      | Will            |
| October 5th, 2022    | Public Roads Deicing Workshop | Village of Frankfort                        | Will            |
| October 6th, 2022    | Public Roads Deicing Workshop | Illinois Tollway Highway Authority          | Will            |
| October 5th, 2022    | Public Roads Deicing Workshop | Village of Manhattan                        | Will            |
| September 27th, 2022 | Public Roads Deicing Workshop | Robinson Engineering, Ltd.                  | Will            |
| September 27th, 2022 | Public Roads Deicing Workshop | Wheatland Twp. Road District                | Will            |
| October 5th, 2022    | Public Roads Deicing Workshop | Illinois Tollway Highway Authority          | Winnabago/Boone |



**DuPage River Salt Creek Workgroup**

## **Attachment 2**

2022 Parking Lots & Sidewalks  
Deicing Workshop Attendees List



## Attachment 2.

### 2022 Parking Lots & Sidewalks Deicing Workshop Attendees (organized by County)

| Date                 | Workshop                                  | Agency  | County        |
|----------------------|---|---|---------------|
| September 29th, 2022 | Parking Lots & Sidewalks Deicing Workshop | Sebert Landscaping                              | Boone         |
| September 29th, 2022 | Parking Lots & Sidewalks Deicing Workshop | Beverly Snow and Ice                            | Cook          |
| October 11th, 2022   | Parking Lots & Sidewalks Deicing Workshop | Cook County Facilities Management               | Cook          |
| October 11th, 2022   | Parking Lots & Sidewalks Deicing Workshop | Village of Crestwood                            | Cook          |
| September 29th, 2022 | Parking Lots & Sidewalks Deicing Workshop | Glenbrook High School Dist. 225                 | Cook          |
| October 11th, 2022   | Parking Lots & Sidewalks Deicing Workshop | Glencoe Park District                           | Cook          |
| October 11th, 2022   | Parking Lots & Sidewalks Deicing Workshop | Village of Lemont                               | Cook          |
| September 29th, 2022 | Parking Lots & Sidewalks Deicing Workshop | Village of Lemont Public Works                  | Cook          |
| October 11th, 2022   | Parking Lots & Sidewalks Deicing Workshop | Metropolitan Water Reclamation District         | Cook          |
| September 29th, 2022 | Parking Lots & Sidewalks Deicing Workshop | Metropolitan Water Reclamation District         | Cook          |
| October 11th, 2022   | Parking Lots & Sidewalks Deicing Workshop | Village of Park Forest                          | Cook          |
| October 11th, 2022   | Parking Lots & Sidewalks Deicing Workshop | Village of Riverside                            | Cook          |
| September 29th, 2022 | Parking Lots & Sidewalks Deicing Workshop | Sebert Landscaping                              | Cook          |
| September 29th, 2022 | Parking Lots & Sidewalks Deicing Workshop | Village of Skokie                               | Cook          |
| October 11th, 2022   | Parking Lots & Sidewalks Deicing Workshop | Village of Flossmoor                            | Cook          |
| October 11th, 2022   | Parking Lots & Sidewalks Deicing Workshop | Butterfield Park District                       | DuPage        |
| September 29th, 2022 | Parking Lots & Sidewalks Deicing Workshop | Forest Preserve District of DuPage County       | DuPage        |
| September 29th, 2022 | Parking Lots & Sidewalks Deicing Workshop | Sebert Landscaping                              | DuPage        |
| September 29th, 2022 | Parking Lots & Sidewalks Deicing Workshop | DuPage County Stormwater                        | DuPage        |
| October 11th, 2022   | Parking Lots & Sidewalks Deicing Workshop | Cornerstone Partners Horticultural Services Co. | Kane          |
| October 11th, 2022   | Parking Lots & Sidewalks Deicing Workshop | Fox Valley Park District                        | Kane          |
| October 11th, 2022   | Parking Lots & Sidewalks Deicing Workshop | City of Kankakee Environmental Services Utility | Kankakee      |
| October 11th, 2022   | Parking Lots & Sidewalks Deicing Workshop | North Shore Water Reclamation District          | Lake          |
| September 29th, 2022 | Parking Lots & Sidewalks Deicing Workshop | Village of Wauconda                             | Lake          |
| October 11th, 2022   | Parking Lots & Sidewalks Deicing Workshop | Crystal Lake School District #47                | McHenry       |
| October 11th, 2022   | Parking Lots & Sidewalks Deicing Workshop | McHenry HS District 156                         | McHenry       |
| September 29th, 2022 | Parking Lots & Sidewalks Deicing Workshop | Sebert Landscaping                              | McHenry       |
| September 29th, 2022 | Parking Lots & Sidewalks Deicing Workshop | Woodstock School District                       | McHenry       |
| September 29th, 2022 | Parking Lots & Sidewalks Deicing Workshop | Sebert Landscaping                              | Milwaukee, WI |
| October 11th, 2022   | Parking Lots & Sidewalks Deicing Workshop | Elwood School District                          | Will          |
| September 29th, 2022 | Parking Lots & Sidewalks Deicing Workshop | Joliet Junior College                           | Will          |
| September 29th, 2022 | Parking Lots & Sidewalks Deicing Workshop | Robinson Engineering, Ltd.                      | Will          |
| September 29th, 2022 | Parking Lots & Sidewalks Deicing Workshop | Sebert Landscaping                              | Will          |