



**DUPAGE
COUNTY**

Watershed
Management

Water
Quality

Floodplain
Mapping

Regulatory
Services

Flood Operations
& Maintenance

Shared
Services



STORMWATER MANAGEMENT

May 26, 2022

Illinois Environmental Protection Agency
Water Pollution Control
Compliance Assurance Section #19
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

Re: AFIR for NPDES Phase II MS4 General Stormwater Permit
IL40 0502 DuPage County Stormwater Management & Co-Permitees
March 1, 2021 – February 28, 2022

Enclosed is the County of DuPage's Annual Facility Inspect Report (AFIR) for the National Pollutant Discharge Elimination System Phase II MS4 General Stormwater Permit ILR40 for 2021-2022. This report includes activities that were undertaken and achieved for all of DuPage County. Thirty-two municipalities and nine township highway districts have chosen to participate as co-permitees in our permit program to meet the six control measures of Public Education and Outreach, Public Participation/Involvement, Illicit Discharge Detection and Elimination, Construction Site Runoff Control, Post-Construction Runoff Control, and Pollution Prevention/Good Housekeeping for Municipal Operations.

The following list of county, municipalities, and township highway districts (with previously issued permit numbers) are included as participating in the enclosed report of permit achievements for the 2021-2022 permit term:

<i>MUNICIPALITY</i>	<i>ILR40 Permit #</i>
<i>DuPage County</i>	<i>0502</i>
<i>Village of Addison</i>	<i>0227</i>
<i>Addison Township</i>	<i>0001</i>
<i>Village of Bartlett</i>	<i>0286</i>
<i>Village of Bensenville</i>	<i>0292</i>
<i>Village of Bloomingdale</i>	<i>0295</i>
<i>Bloomingdale Township</i>	<i>0013</i>
<i>Village of Burr Ridge</i>	<i>0304</i>
<i>Village of Carol Stream</i>	<i>0308</i>
<i>Village of Clarendon Hills</i>	<i>0175</i>
<i>Village of Downers Grove</i>	<i>0183</i>

<i>Downers Grove Township</i>	<i>0040</i>
<i>City of Elmhurst</i>	<i>0187</i>
<i>Village of Glen Ellyn</i>	<i>0199</i>
<i>Village of Glendale Heights</i>	<i>0342</i>
<i>Village of Hanover Park</i>	<i>0347</i>
<i>Village of Hinsdale</i>	<i>0355</i>
<i>Village of Itasca</i>	<i>0360</i>
<i>Village of Lemont</i>	<i>0497</i>
<i>Village of Lisle</i>	<i>0376</i>
<i>Lisle Township</i>	<i>0079</i>
<i>Village of Lombard</i>	<i>0378</i>
<i>Milton Township</i>	<i>0086</i>
<i>City of Naperville</i>	<i>0396</i>
<i>Naperville Township</i>	<i>0092</i>
<i>Village of Oak Brook</i>	<i>0407</i>
<i>City of Oakbrook Terrace</i>	<i>0232</i>
<i>Village of Roselle</i>	<i>0437</i>
<i>Village of Villa Park</i>	<i>0463</i>
<i>City of Warrenville</i>	<i>0274</i>
<i>Village of Wayne</i>	<i>0500</i>
<i>Wayne Township</i>	<i>0149</i>
<i>City of West Chicago</i>	<i>0466</i>
<i>Village of Westmont</i>	<i>0254</i>
<i>City of Wheaton</i>	<i>0470</i>
<i>Village of Willowbrook</i>	<i>0255</i>
<i>Village of Winfield</i>	<i>0474</i>
<i>Winfield Township</i>	<i>0155</i>
<i>City of Wood Dale</i>	<i>0478</i>
<i>Village of Woodridge</i>	<i>0480</i>
<i>York Township</i>	<i>0159</i>

If you have any questions about the information contained within the attached annual report submittal, please contact Mary Beth Falsey, Water Quality Supervisor at (630) 407-6680.

Regards,



Sarah Hunn, P.E., CFM
 Director
 DuPage County Stormwater Management



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, 2021 To March, 2022

Permit No. ILR40 0502

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

Name: DuPage County Stormwater Management Mailing Address 1: 421 N. County Farm Rd.
Mailing Address 2: _____ County: DuPage
City: Wheaton State: IL Zip: 60187 Telephone: 630.407.6700
Contact Person: Mary Beth Falsey Email Address: falsey@dupageco.org
(Person responsible for Annual Report)

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

County of DuPage
41 municipalities and townships listed on cover letter

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 | ☐ | 4. Construction Site Runoff Control | ☐ |
| 2. Public Participation/Involvement | ☐ | 5. Post-Construction Runoff Control | ☐ |
| 3. Illicit Discharge Detection & Elimination | ☐ | 6. Pollution Prevention/Good Housekeeping | ☐ |

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:

Sarah Hunn, P.E.

Printed Name:

5/26/22
Date:

Director of Stormwater Management

Title:

EMAIL COMPLETED FORM TO: 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

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

SECTION A

DuPage County Stormwater Management (DCSM) and co-permittee communities submitted revised Notice of Intent forms to IEPA in early 2021. Due to the Covid-19 pandemic, adaptations continued to be made when implementing the minimum control measures and best management practices to adhere to social distancing guidelines. They are described in the following sections of this report.

SECTION B**A. Public Education and Outreach****A1. Distribution of Paper Material**

DCSM has created several handouts and brochures pertaining to sources of pollutants in waterways and water quality BMPs. These, as well as handouts from other entities, are distributed at public events, are available in office, posted online, and sent out in newsletters and through social media. Informational topics include rain barrels, rain gardens, native plants, other green infrastructure techniques, citizen monitoring of waterways and seasonal BMPs for the spring, summer, fall and winter. These materials are updated as needed to incorporate new and updated information, including the effects of climate change on stormwater impacts. Each co-permittee is responsible for making educational materials available in their office and on their websites.

Goal:

Number of educational materials updated or created per year for distribution.

Milestone:

Update or create 2 digital or print materials for distribution by co-permittees.

Status:

During the reporting year, DuPage County Stormwater Management (DCSM) staff created or updated the following educational materials:

- Social Media infographics which can be found on our Facebook, YouTube, and Instagram pages and shared by co-permittees. They can be found at: www.twitter.com/lovebluedupage , www.facebook.com/lovebluedupage , and www.instagram.com/lovebluedupage
- Created Streambank Stabilization Guidebook
https://www.dupagecounty.gov/EDP/Stormwater_Management/1163/
- Created Elmhurst Quarry Flood Control Facility Virtual Tour created and posted to the DuPage County Love Blue YouTube page: <https://www.youtube.com/user/lovebluelivegreen/videos>
- DuPage County's 2021 Annual Report (Annual Report on the Stormwater Management Department including flood control, shared services, permitting, and water quality):
<https://www.dupageco.org/swm/>
- All webinars hosted during the reporting year recorded and posted to:
<https://www.youtube.com/user/lovebluelivegreen/videos>

DCSM and co-permittees share these and other educational materials through distribution at events, in offices, on websites, through social media, and newsletters. In addition to the above material, brochures, publications, and educational materials can be found at:

https://www.dupageco.org/EDP/Stormwater_Management/1163/

Due to the Covid-19 pandemic and associated social distancing guidelines, distribution of materials at events and in office were again limited during the 2021-2022 reporting year. However, the digital brochures were available on websites in pdf form and shared through email, newsletter, and social media links.

A2. Speaking Engagement

DCSM coordinates, hosts, and presents at workshops on topics including water quality efforts for the watersheds, methods for pollutant reduction, during and after construction BMPs, native vegetation, and green infrastructure. Presentations include information on the potential impacts and effects of stormwater discharge due to climate change as applicable. Each co-permittee is responsible for promoting and advertising workshops within their jurisdictions.

Goal:

Number of presentations made by DCSM staff per year.

Milestone:

Conduct 7 presentations per year.

Status:

Due to the Covid-19 pandemic and associated social distancing guidelines, many in-person events did not occur again in 2021. DuPage County and co-permittees adapted by switching to a virtual event format.

DCSM staff presented and hosted virtual educational workshops and conferences to educate the general public as well as professionals about water quality trends and issues. Rather than holding workshops in every major watershed, all workshops and conferences were made available to all residents and professional staff. The following presentations were made by DCSM staff during the reporting year:

Agency	Outreach	Date	Location	# of Attendees	General Category	Involvement
DuPage County	Rotary Club	12/2/2021	Naperville	50	Meeting	Presenter
DuPage County	IAFSM Annual Conference	3/10 & 3/11/2021	Statewide/ Virtual	40	Conference	Presenter
DuPage County	Wards Creek Stakeholder Meeting	1/19/2022	Virtual	20	Meeting	Host/ Presenter
DuPage County	West Branch DuPage River Corridor Restoration Webinar	2/10/2022	Countywide/ Virtual	100-200	Workshop	Sponsor/Host/ Presenter
DuPage County	IWPC/ IWEA Annual Conference 2021	4/21/2021	Virtual	50	Conference	Presenter
DuPage County	NLRS Annual Conference	11/10/2021	Virtual	100	Conference	Presenter
DuPage County	East Branch DuPage River Watershed Plan Steering Committee Meeting	3/22/2021	Virtual	47	Meeting	Host/ Presenter
Addison Township	Wood Dale Public Works Open House	9/2/2021	Wood Dale		Public Awareness	Presenter

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Bloomington Township	Beyond The Basics 2022: Weathering the Storm	2/24/2022	Virtual		Conference	
Village of Burr Ridge	Burr Ridge Stormwater Management Committee	9/29/2021	Village Hall	6	Meeting	Host
Village of Carol Stream	Klein Creek Streambank Stabilization - Section I	11/1/2021	Village Hall	Board Members (Zoom for Residents)	Village Board of Trustees Bi-Weekly Meeting	Presenter (Greg Ulrich)
Village of Carol Stream	Klein Creek Streambank Stabilization - Sections III	11/15/2021	Village Hall	Board Members (Zoom for Residents)	Village Board of Trustees Bi-Weekly Meeting	Presenter (Greg Ulrich)
Village of Carol Stream	Klein Creek Streambank Stabilization - Section II & IV	12/6/2021	Village Hall	Board Members (Zoom for Residents)	Village Board of Trustees Bi-Weekly Meeting	Presenter (Greg Ulrich)
Village of Carol Stream	Snow & Ice Control Plan	10/18/2021	Village Hall	Board Members (Zoom for Residents)	Village Board of Trustees Bi-Weekly Meeting	Presenter (Jason Pauling)
Village of Downers Grove	Lake County Designated Erosion Control Program (DECI)	2/15/2022	Virtual		Workshop	Presenter
Village of Downers Grove	Beyond The Basics 2022 - Weathering the Storm: Building Resilient Communities Through Design	2/24/2022	Virtual		Workshop	Presenter
City of Elmhurst	Arlington Reservoir Retrofit & Maintenance Webinar	12/9/2021	Online	30+/-	Seminar	
Village of Glen Ellyn	Village of Glen Ellyn Environmental Commission	Monthly	535 Duane (Civic Center)	Varies, generally 7-10	Meeting	
Village of Lisle	Village Stormwater Committee Meeting	11/8/2021	Village Hall	16	Annual Stormwater Committee Meeting	
Village of Lombard	Metropolitan Mayors Caucus' Environmental Committee Presentation on Sustainable Salting	2/15/2021	Zoom	30	Meeting	Presenter
Village of Lombard	Kiwanis Club of Lombard on Municipal Utilities	9/5/2021	Lombard	9	Meeting	Presenter
Village of Lombard	DuPage River Salt Creek Workgroup Meetings	6 occurrences	Zoom	40 each	Meeting	Host
Winfield Township	West Win HOA	3/15/2022	Township garage	55	stormwater, culvert maintenance, stormwater inlet cleaning	
Winfield Township	Northwoods HOA	4/13/2022	Township garage	32	stormwater, culvert maintenance, stormwater inlet cleaning	

A3. Public Service Announcement

DCSM utilizes technology to enhance outreach efforts detailing water quality trends and highlighting practices that can reduce the transport of pollutants into waterways. DCSM promotes informational outlets using a Stormwater Management monthly e-newsletter, direct media relations, press releases, advisories, and social media to promote seasonal BMPs, events, and other stormwater-related news.

Goal:

Number of messages broadcast within the co-permittee area per year (Co-permittee area includes the limits of all participating MS4s).

Milestone:

Broadcast 12 messages within the co-permittee area detailing water quality trends highlighting practices that can reduce the transport of pollutants into waterways.

Status:

During the reporting year, DCSM staff disbursed information throughout the countywide co-permittee area on water quality trends, largely through virtual formats such as social media and email.

- Monthly Newsletter with over 13,000 subscribers
<http://www.dupageco.org/stormwater/news.aspx>
- Facebook, Twitter & Instagram with more than 1,500 followers and over 50,000 views
www.twitter.com/lovebluedupage
www.facebook.com/lovebluedupage
www.instagram.com/lovebluedupage
- YouTube with more than 80 outreach/training videos and over 65,500 combined views
<https://www.youtube.com/user/lovebluelivegreen>

MS4 co-permittees distributed information through the following public service announcements & social media posts:

Agency	Public Service Announcements & Social Media Posts	# of Posts	# of Followers
Addison Township	iNaturalist: https://www.inaturalist.org	22	
Village of Addison	https://www.facebook.com/VillageofAddison/	20	3,583

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Village of Addison	https://twitter.com/AddisonVillage	20	942
Village of Bartlett	Quarterly Brochure with drainage and flood information		
Village of Bartlett	Water quality information on website		
Village of Bensenville	Spotlight on Bensenville - Storm and Waste Water	1	8,000
Village of Burr Ridge	Nixle notification system	2	2,406
Village of Carol Stream	Twitter	35	1,127
Village of Carol Stream	Facebook	20	6,300
Village of Downes Grove	Facebook	50	11,000
Village of Downes Grove	Twitter	50	6,948
Village of Downes Grove	YouTube	10	1,230
Village of Glen Ellyn	Facebook (Meta)	34	7.6K
Village of Hinsdale	@HinsdaleParks on Facebook and Instagram	4	6000
Lisle Township	Water quality events posted on Lisle Township website and occasionally on Facebook		
Village of Lisle	Facebook	7	5,100
Village of Lisle	Twitter	7	2,780
Village of Lisle	Nextdoor	7	7,093
Village of Lombard	Lombard TV-6 PSA on Wise Salting	1 month	1,000 views (est)
Village of Lombard	Controlled Burns of Detention Basins & Parking Lots	1	20 likes
City of Naperville	https://www.facebook.com/permalink.php?story_fbid=10157809751481899&id=54141166898	1	
City of Naperville	https://www.facebook.com/54141166898/photos/a.173674831898/10157950218226899	1	
City of Naperville	https://www.naperville.il.us/residents/adopt-a-drain-program/	26	
Village of Roselle	Facebook (Village of Roselle - Choose Roselle)	28	4600
Village of Roselle	Instagram (Village of Roselle)	3	326
Village of Villa Park	Facebook		5,600
Village of Villa Park	Instagram		1,285
Village of Villa Park	Twitter		2,013
Village of Westmont	Facebook	20+	3849
City of Wheaton	Twitter	53	5343
City of Wheaton	Facebook	70	9958
Village of Woodridge	Facebook - ComEd Tree trimming (4/21)	1	
Village of Woodridge	Facebook - Earth Day (4/21)	1	
Village of Woodridge	Facebook - Tree City USA (4/21)	1	

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Village of Woodridge	Facebook - Brush Drop Off (5/21)	1	
Village of Woodridge	Facebook - Refuse/Recycling (5/21)	1	
Village of Woodridge	Facebook - Tornado Debris (7/21)	1	
Village of Woodridge	Facebook - PPE disposal (9/21)	1	
Village of Woodridge	Facebook - Amnesty Clean Up (9/21)	1	
Village of Woodridge	Facebook - Reforestation (10/21)	1	
Village of Woodridge	Facebook - Keep leaves off the street (11/21)	1	
Village of Woodridge	Facebook - Leaf Collection (11/21)	1	

MS4 co-permittees distributed information through the following newsletters:

Agency	Newsletter/ Archive Website	# of Subscribers
Addison Township	E-Cycle events mailer	All Township residents
Addison Township	Water Quality Handouts	E-Cycle Attendees
Village of Addison	Advantages Newsletter (Spring 2022, Fall 2021, Spring 2021)	36,000
	https://www.addisonadvantage.org/living_in/engineering/storm_water.php	
Village of Bartlett	Quarterly Brochure	
	Website	
Village of Bensenville	Bensenville Community Newsletter	5000
Village of Burr Ridge	Village Administrator's Memo	66
Village of Carol Stream	e-Newsletter (18)	1,747
Village of Carol Stream	Website News Post (2)	N/A
Village of Downers Grove	Inside DG - Bioswale Program	entire Village
Village of Downers Grove	Inside DG - Closing Down the Pool for the Season	entire Village
Village of Downers Grove	Inside DG - Leaf it to Fall (leaf cleanup)	entire Village
Village of Downers Grove	Inside DG - Before the Flowers Come the Showers (rain gardens and native plants)	entire Village
City of Elmhurst	The City of Elmhurst prints the periodic DuPage County brochures out for residents to pick up at front counters	
Village of Glen Ellyn	Glen Ellyn Quarterly News Letter (Spring, Summer & Fall 2021)	6,578
Village of Hanover Park	Village Hi-Lighter (https://www.hpil.org/499/Hi-Lighter)	38,000
Village of Hanover Park	Weekly E-news	1,000
Village of Hinsdale	VillageofHinsdale.org website and newsletter	4500
Village of Itasca	2021 Spring Newsletter	
Village of Itasca	2021 Summer Newsletter	
Village of Itasca	2021 Fall Newsletter	
Village of Itasca	2021 Winter Newsletter	

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Lisle Township	2021 Fall/Winter Newsletter	~3,400
Lisle Township	2022 Spring/Summer Newsletter	~3,400
Lisle Township	www.lisletownship.com	~3,400
Village of Lisle	Spring 2021	12,817
Village of Lisle	Summer 2021	12,817
Village of Lisle	Fall 2021	12,817
Village of Lisle	Winter 2021	12,817
Village of Lisle	E-Newsletter	1,302
Village of Lombard	Reuse-Recycling & HHW flyer mailed to all residents	44,476
Milton Township	Township Website	
Milton Township	Homeowner's Handbook sent annually	
City of Naperville	Naperville Connected - Annual Water Quality Report	150,126
Village of Oak Brook	Oak Brook News Quarterly News - Fall 2021 (leaf pickup program)	All Residents
Village of Oak Brook	Oak Brook News Quarterly News - Spring 2022 (yard waste pickup reminder)	All Residents
Village of Oak Brook	Oak Brook Stormwater Management Website	
Village of Roselle	E-News (June 3, 2021)	2206
	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---June-3--2021.html?soid=1101623328084&aid=0uGr7a1scHM	
Village of Roselle	E-News (September 23, 2021)	2206
	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---September-23--2021.html?soid=1101623328084&aid=bE9vi26iLfk	
Village of Roselle	E-News (September 30, 2021)	2206
	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---September-30--2021.html?soid=1101623328084&aid=GjahQ1C6qr8	
Village of Roselle	E-News (October 7, 2021)	2206
	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---October-7--2021.html?soid=1101623328084&aid=J4gSxl4qC_8	
Village of Roselle	E-News (October 28, 2021)	2206
	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---October-28--2021.html?soid=1101623328084&aid=kc6H-oGrgb4	
Village of Roselle	E-News (November 4, 2021)	2206
	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---November-4--2021.html?soid=1101623328084&aid=Svw9bCmZwwU	
Village of Roselle	E-News (November 11, 2021)	2206
	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---November-11--2021.html?soid=1101623328084&aid=T79y74giN4	
Village of Roselle	E-News (November 18, 2021)	2206

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	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---November-18--2021.html?soid=1101623328084&aid=r3N_j1Rw_hY	
Village of Roselle	E-News (November 24, 2021)	2206
	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---November-24--2021.html?soid=1101623328084&aid=hTuchz-2f-M	
Village of Roselle	E-News (December 2, 2021)	2206
	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---December-2--2021.html?soid=1101623328084&aid=z0Wz2BxoGdl	
Village of Roselle	E-News (December 9, 2021)	2206
	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---December-9--2021.html?soid=1101623328084&aid=baXs7SzFRwo	
Village of Roselle	E-News (December 21, 2021)	2206
	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---December-21--2021.html?soid=1101623328084&aid=KEyKvw90TVg	
Village of Roselle	E-News (January 6, 2022)	2206
	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---January-6--2022.html?soid=1101623328084&aid=J6FSXiWo5HY	
Village of Roselle	E-News (January 13, 2022)	2206
	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---January-13--2022.html?soid=1101623328084&aid=h7EmTyILeg	
Village of Roselle	E-News (January 20, 2022)	2206
	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---January-20--2022.html?soid=1101623328084&aid=NS_Rk-gQgoY	
Village of Roselle	E-News (March 3, 2022)	2206
	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---March-3--2022.html?soid=1101623328084&aid=qJpyt822EAl	
Village of Roselle	E-News (March 24, 2022)	2206
	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---March-24--2022.html?soid=1101623328084&aid=jB9BJQNnbCQ	
Village of Roselle	E-News (March 31, 2022)	2206
	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---March-31--2022.html?soid=1101623328084&aid=RYfNOvsO2WU	
Village of Roselle	E-News (April 7, 2022)	2206
	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---April-7--2022.html?soid=1101623328084&aid=-TDUY-lZ8lQ	
Village of Roselle	E-News (April 14, 2022)	2206

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	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---April-14--2022.html?soid=1101623328084&aid=ZTUrxT96bzs	
Village of Roselle	E-News (April 21, 2022)	2206
	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---April-21--2022.html?soid=1101623328084&aid=BCJ0fkUeLFQ	
Village of Roselle	E-News (April 26, 2022)	2206
	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---April-28--2022.html?soid=1101623328084&aid=tau0giRGNA	
Village of Roselle	E-News (May 5, 2022)	2206
	https://myemail.constantcontact.com/News-from-the-Village-of-Roselle---May-5--2022.html?soid=1101623328084&aid=kzNjg3Nubzl	
Village of Roselle	Roselle Reporter (November/December 2021)	10200
	https://www.roselle.il.us/ArchiveCenter/ViewFile/Item/2260	
Village of Roselle	Roselle Reporter (January/February 2022)	10200
	https://www.roselle.il.us/ArchiveCenter/ViewFile/Item/2266	
Village of Roselle	Roselle Reporter (March/April 2022)	10200
	https://www.roselle.il.us/ArchiveCenter/ViewFile/Item/2293	
Village of Roselle	Roselle Reporter (May/June 2022)	10200
	https://www.roselle.il.us/ArchiveCenter/ViewFile/Item/2300	
Village of Villa Park	Annual Water Quality Report (WQR) published on Village website	
Village of Villa Park	Link to the WQR sent to every water account on June water bill	7,408
City of Warrenville	Hometown Happenings	13,000
City of West Chicago	Window To West Chicago (Winter 2022 Issue)	11,866
Village of Westmont	https://www.youtube.com/c/VillageofWestmontTV	336
City of Wheaton	Wheaton Weekly (18 press releases)	3593
Village of Winfield	2021 Water Quality Report for the Village of Winfield	Sent to every Village household
City of Wood Dale	March/April 2021 Newsletter	N/A
City of Wood Dale	May/June 2021 Newsletter	N/A
City of Wood Dale	July/August 2021 Newsletter	N/A
City of Wood Dale	September/October 2021 Newsletter	N/A
City of Wood Dale	November/December 2021 Newsletter	N/A
City of Wood Dale	January/February 2022 Newsletter	N/A
Village of Woodridge	Woodridge Focus - Fall 2021 (Yard waste disposal, illegal dumping, free leaf collection, reforestation)	14,500
Village of Woodridge	Woodridge Focus - Winter 2021 (Light recycling, Christmas Tree recycling, general recycling)	14,500
Village of Woodridge	Water Bill Brief - sent monthly (water quality report, yard waste collection, amnesty disposal, tornado material disposal, brush drop off site, free leaf collection, holiday light recycling, Christmas tree recycling,	7,250

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Village of Woodridge	Woodridge E-news - sent every Friday (yard waste collection, no leaf burning, tree trimming, native plant and gardening club plant sales, brush drop off site, solar resources, tornado material disposal, reforestation, proper recycling, free leaf collection, Christmas Tree recycling,	2,859
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A4. Community Event

DCSM coordinates with co-permittees to present at countywide community events, both in person or virtually, on topics including water quality efforts for the watersheds and pollutant reduction, native vegetation, and green infrastructure.

Goal:

Number of events participated in or hosted per year.

Milestone:

Host or participate in 9 countywide events per year to educate the public on water quality topics.

Status:

In a typical year, DCSM and co-permittee staff attend, present at, sponsor, and host events throughout the county to educate the public about water quality topics and issues. Due to Covid-19, many in person events were again cancelled for 2021. However, this was supplemented by hosting, presenting at, and attending several virtual events. These events are advertised by DCSM and can shared by co-permittees through newsletters and social media. During the reporting year, the following events were hosted, attended, and/or presented at:

Events hosted / participated in:

Agency	Event	Date	Location(s)	# of Attendees	Involvement
DuPage County	Cantigny Water Quality Flag Ceremony	4/22/2021	Wheaton	20/ Public	Sponsor/ Host
DuPage County	2021 Sustainable Design Challenge	May 2021	Virtual	100/Public	Sponsor/ Judge
DuPage County	SCARCE's Growin' Green Garden Market	5/1/2021	Addison	100/ Public	Vendor
DuPage County	Elmhurst Quarry Tour	6/10/2021	Elmhurst		Host
DuPage County	First United Methodist Church of West Chicago Flag Ceremony	6/13/2021	West Chicago	100/ Public	Sponsor
DuPage County	Westmont Public Works Car Show Night	7/22/2021	Westmont		Exhibitor
DuPage County	2021 Wetland Plant Identification Course	8/25-8/27/2021	Various		Host
DuPage County	Wood Dale Public Works Open House	9/2/2021	Wood Dale		Exhibitor

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DuPage County	Carol Stream Water Reclamation Center Open House	10/2/2021	Carol Stream		Exhibitor
DuPage County	Girl Scout Tour of DuPage County Campus	10/20/2021	Wheaton		Host/ Presenter
DuPage County	Pumpkin Smash 2021	11/6/2021	Countywide - Locations in Addison, Bartlett, Bensenville, Carol Stream, Downers Grove, Elmhurst, Glen Ellyn, Hinsdale, Itasca, Lisle, Lombard, Naperville, West Chicago, Westmont, Wheaton, Villa Park	230 Tons/Public	Sponsor/ Host
DuPage County	2021 Thanksgiving Cooking Oil Collection	11/27/2021	Countywide - Locations in Addison, Bensenville, Downers Grove, Elmhurst, Glen Ellyn, Naperville, Roselle, Villa Park, West Chicago, Wheaton, Woodridge	314 Gallons/Public	Sponsor/ Host
DuPage County	2022 Virtual Beyond the Basics Seminar	2/24/2022	Countywide/ Virtual		Sponsor
Addison Township	E-Cycle events 3 times	1/30; 5/01; 7/31; 10/30	411 W. Potter Street, Wood Dale		Addison Township Highway Department
Addison Township	Textile Recycling event	1/30; 5/01; 7/31; 10/30	411 W. Potter Street, Wood Dale		Addison Township Highway Department
Addison Township	Branch pick up & Mulch Delivery Program	4/12; 5/10; 9/13; 10/11	411 W. Potter Street, Wood Dale		Addison Township Highway Department
Addison Township	Rain Barrel Sales	Entire year	411 W. Potter Street, Wood Dale		Addison Township Highway Department
Addison Township	Wood Dale Public Works Open House		720 N. Central, Wood Dale		City of Wood Dale
Addison Township	Installation of Medallions on 62 Storm Sewers	October	Addison Township		Addison Township Highway Department
Village of Addison	Addison Recycling Event	4/17/2021	213 N Lombard Rd	450	Sponsor and Host
Village of Addison	Addison Recycling Event	10/2/2021	213 N Lombard Rd	436	Sponsor and Host
Village of Addison	Rx Collection Box	Everyday	3 Friendship Plaza (Addison Police Department)		Sponsor and Host

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Village of Addison	Yard Waste Pickup - weekly	April - Nov	Addison		Sponsor and Host
Village of Addison	Branch Pickup - monthly	April - Nov	Addison		Sponsor and Host
Village of Addison	Christmas Tree Recycling	January	Addison		Sponsor and Host
Village of Bartlett	Pollution Prevention for MS4 Communities	4/29/2021	ZOOM Seminar	2-4 from Bartlett	
Village of Bartlett	NPDES Update Meeting	9/22/2021	ZOOM Seminar	1	
Village of Bartlett	DuPage Hazard Mitigation Seminar	1/27/2022	ZOOM Seminar	2	
Village of Bartlett	West Branch River, Corridor Restoration Seminar	2/10/2022	ZOOM Seminar	1	
Village of Bartlett	Beyond the Basics, Weathering the Storm	2/24/2022	ZOOM Seminar	2	
Village of Bartlett	Monthly MEG Meetings - numerous topics	Monthly	ZOOM Seminar	1	
Village of Bensenville	Pumpkin Smash	11/6/2021	Bensenville Village Hall	30	Host
Village of Bensenville	Cooking Oil Collection	Continuously	Bensenville Public Works		Host
Village of Bensenville	Christmas Light Recycling	12/27/2021	Bensenville Village Hall and PW		Host
Village of Bensenville	Christmas Tree Mulching	1/1/2021	Bensenville Public Works		Host
Village of Bensenville	Brush Pick Up	Monthly April - November	Curbside, Village wide		Host
Village of Bensenville	Paper Shredding	6/12/2021	Bensenville Public Works		Host
Bloomingtondale Township	Electronic Recycling	April 25 2022	B.T. Highway Dept.	Approx. 200 cars	Host
Bloomingtondale Township	Textile Recycling	April 25 2022	B.T. Highway Dept.	Approx. 200 cars	Host
Bloomingtondale Township	Electronic Recycling	Sept 25 2021	B.T. Highway Dept.	Approx. 200 cars	Host
Bloomingtondale Township	Textile Recycling	Sept 25 2021	B.T. Highway Dept.	Approx. 200 cars	Host
Bloomingtondale Township	Electronic Recycling	June 5 2021	B.T. Highway Dept.	Approx. 200 cars	Host
Bloomingtondale Township	Textile Recycling	June 5 2021	B.T. Highway Dept.	Approx. 200 cars	Host
Village of Bloomingdale	Paint Collection Event	6/21/2021	Bloomingtondale Public Works		SBC Waste Disposal
Village of Bloomingdale	Rx Sharps Collection Box	available 365/24/7	Bloomingtondale Police Department		Village of Bloomingdale
Village of Bloomingdale	Branch/Brush Collection	April '22, July '21, Oct '21	Village Wide		Village of Bloomingdale

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Village of Burr Ridge	eWorks Electronics Recycling Center	5 days/week, year-round	Public Works	207,985 lbs collected	Host
Village of Burr Ridge	Annual brush pickup	10/25/2021-10/29/2021	Village-wide	2600	Sponsor
Village of Carol Stream	Pharmaceutical Recycling	2021	Village Hall	1,119 lbs	Host
Village of Carol Stream	Holiday Lights Collection	January 2022	Village Hall	5 Gaylord Dumpsters	Host
Village of Carol Stream	Electronics, Pumpkins & Textiles Recycling Event		Water Reclamation Center	Pumpkins: 6,760 lbs. Electronics: 17,990 lbs. Textiles: 2,819 lbs.	Host
City of Darien	Brush Pick-up	May - October	curbside		City
City of Darien	Yard Waste Pick-up	May - October	curbside		City
Downers Grove Township	2021 Christmas Tree Pick Up	January 2022	Twp Wide		
Downers Grove Township	2021 Spring Brush Pick UP	April- June	Twp Wide		
Downers Grove Township	2021 Fall Brush Pick Up	August-October	Twp Wide		
Village of Downers Grove	Rain Barrel Sale	6/3/2021	Downer Grove Public Works	85 rain barrels sold	Host
Village of Downers Grove	Native Tree and Shrub Sale	6/3/2021	Downer Grove Public Works	Village-wide	Host
Village of Downers Grove	Christmas Tree Recycling	Jan 3-14, 2022	DG	Village-wide	Sponsor
Village of Downers Grove	Christmas Light Recycling	thru 2/11/22	DG	Village-wide	Sponsor
Village of Downers Grove	Pumpkin Smash	11/6/2021	Scarce	Village-wide	Promoter
Village of Downers Grove	Paper Shredding	5/8/2021	DG VH	Village-wide	Sponsor
Village of Downers Grove	Paper Shredding	6/12/2021	Lombard	Village-wide	Promoter
Village of Downers Grove	Recycling Extravaganza	9/18/2021	DuPage County	Village-wide	Promoter
Village of Downers Grove	Cooking Oil Recycling	11/27/2021	DG Sanitary District	Village-wide	Promoter
Village of Downers Grove	Yard Waste / Composing / Recycling Pick up	April thru early Dec	DG	Village-wide	Sponsor

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City of Elmhurst	Electronics recycling	Quarterly	Public Works Garage	N/A	Sponsor/Host
City of Elmhurst	Textile/Clothing recycling	Quarterly	Public Works Garage	N/A	Sponsor/Host
City of Elmhurst	Pumpkin recycling	11/5/2021	Public Works Garage	N/A	Sponsor/Host
City of Elmhurst	Rain barrel sales	N/A	Wastewater Treatment Plant	N/A	Sponsor/Host
City of Elmhurst	Cooking oil recycling	11/26/2021	Public Works Garage	N/A	Sponsor/Host
City of Elmhurst	Christmas tree recycling	After Christmas	At curbside	N/A	Sponsor/Host
Village of Glen Ellyn	Leaf and yard waste pick up by sticker program and curbside composting through contracted waste hauler	Throughout the year	Entire Village		Contract manager
Village of Glen Ellyn	Greens Recycling (contracted waste hauler)	Jan. 3, 10 & 17 2022	Entire Village		Contract manager
Village of Glen Ellyn	Cooking Oil waste drop of at Glenbard Waste Water	Throughout the year	Glenbard Waste Water		Sponsor
Village of Glen Ellyn	Pumpkin Recycling	Nov. 6th	393 N. Main & 130 S. Lambert		
Village of Hanover Park	River Sweep	9/25/2021	West Branch of DuPage River @ Lake Street	12	Environmental Committee - Sponsor
Village of Hanover Park	Christmas Lights Recycling	Year Round	Public Works		Lights can be dropped off at Public Works to be recycled
Village of Hanover Park	Light bulb recycling	Year Round	Public Works		Lights can be dropped off at Public Works to be recycled
Village of Hanover Park	Battery Recycling	Year Round	Public Works		Batteries can be dropped off at Public Works to be recycled

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Village of Hanover Park	Curbside Electronics Recycling	Year Round	Curbside		Per Village's agreement with the refuse hauler, residents can dispose of two electronic waste items per week at no additional costs.
Village of Hanover Park	Weekly Curbside Yard waste Pick-up	April - November	Curbside		Per Village's agreement with the refuse hauler, residents can dispose of yard waste with their weekly pickup.
Village of Hanover Park	Village wide Brush Pick-up	April, July, & October	Curbside		Public works performs a village wide brush pick-up.
Village of Hanover Park	Apiary Open House	June	Village Apiary		Environmental Committee is the sponsor for the open house at the Village apiary.
Village of Hanover Park	Arbor Day	4/23/2021	Ontarioville School		Village held a tree planting ceremony at the elementary school
Village of Lemont	Household Recycling Event (motor oil, e-recycling, document disposal, battery collection, prescription medication collection)	9/25/2021	101 Main Street		Lemont Environmental Advisory Commission

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Village of Lemont	At Your Door collection of recyclable and hazardous waste items		Village-wide		Included in Waste Management municipal contract for all residents
Village of Lemont	Village-wide street sweeping	daily spring-fall	Village-wide		Village of Lemont Public Works
Village of Lemont	Yard waste, brush pick-up	April 1- November 30	Village-wide		Included in Waste Management municipal contract for all residents
Lisle Township	Car Care Clinic	10/21/2021	Lisle Township Road District	~100	Lisle Township Road District & TRIAD
Lisle Township	Car Care Clinic	5/14/2022	Lisle Township Road District	~100	Lisle Township Road District & TRIAD
Lisle Township	Leaf Pick Up	Oct thru Nov 2021	Lisle Township Road District	~3,400 Households	Lisle Township Road District
Lisle Township	Brush Pick Up	May - Oct 2022	Lisle Township Road District	~3,400 Households	Lisle Township Road District
Lisle Township	Street Sweeping	Year-round as needed	Lisle Township Road District	~3,400	Lisle Township Road District
Lisle Township	Waste Oil recycled to heat one our buildings	Year-round as needed	Lisle Township Road District	N/A	Lisle Township Road District
Village of Lisle	Lisle French Market	5/1/2021	Lisle River Walk	Residents (est 75)	Booth with DuPage County Water Quality Information
Village of Lombard	Rain Barrel Reimbursement Program	ongoing	Lombard PW	10	Host
Village of Lombard	Compost Bin Reimbursement Program	ongoing	Lombard PW	4	Host
Village of Lombard	Sharps Collection Box	ongoing	Village Hall		Host
Village of Lombard	HHW & Electronics Curbside Program	ongoing	Village-wide	155	Sponsor
Village of Lombard	Document Shredding Event	4/9/2021	Lombard PW	100	Host

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Village of Lombard	Pumpkin Smash	11/6/2021	Park District	100	Sponsor
Milton Township	Recycle Event	Oct-21	Milton Township		electronics, paint, paper shredding, cooking oil along with numerous other items.
Naperville Township	Brush Pickup	6 times per year	Curbside		
Naperville Township	Leaf Pickup	Spring & Fall	Curbside		
Village of Oak Brook	Annual Leaf Pickup Program	10/18/-12/17/21	Community-wide (not private HOAs)	Public Works Staff	
City of Oak Brook Terrace	Brush Pick-up	May - October	curbside		City
City of Oak Brook Terrace	Yard Waste Pick-up	May - October	curbside		City
Village of Villa Park	E-waste (monthly)		Home Avenue, PW Garage		
Village of Villa Park	Spring sweep (annual, May)	5/21/2022	Home Avenue		
Village of Villa Park	Christmas lights recycling	annual	Home Avenue		
Village of Villa Park	Paper shredding	bi-annual	Varies		
Village of Villa Park	Yard waste	spring, fall	Throughout the Village		
Village of Villa Park	Cooking oil recycling	annual, November	Home Avenue		
Village of Villa Park	Pumpkin smash	annual, November	Home Avenue		
Village of Villa Park	Christmas tree recycling	annual, January	Home Avenue		
Village of Villa Park	Battery collection	ongoing	Public Works		
Village of Villa Park	Paint collection (part of spring sweep)	annual, May	Home Avenue		
City of Warrenville	Arbor Day	5/1/2021	Various	100	City of Warrenville, Warrenville in Bloom
City of Warrenville	Public Works Open House	5/20/2021	Public Works Garage	80	City of Warrenville
City of Warrenville	Brush Pickup	April, May, Sept, Oct	N/A	120 pickups	City of Warrenville
City of Warrenville	Document Shredding/Electronic Recycling	May	Various	Unknown	City of Warrenville

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City of West Chicago	Holiday Light Recycling	11/26/2021 - 1/14/2022	7 Locations in West Chicago	868 pounds of lights collected	WC Environmental Commission /Groot /Elgin Recycling
City of West Chicago	Annual Paper Shredding Event	6/5/2021	WC Metra Station	260 participated- 7.55 tons of paper recycled	WC Environmental Commission
City of West Chicago	Pumpkin Smash/ composting	11/5/2021	First United Methodist Church	2.13 tons of Pumpkins collected	First United Methodist Church/Environmental Commission
City of West Chicago	Christmas Tree Recycling	1/3/2022 - 1/14/2022	West Chicago	collected 7.13 tons of Christmas trees	City of West Chicago/Groot
City of West Chicago	Residential Brush Collection	May - November 2021	West Chicago		City of West Chicago/Kramer Tree Service
City of West Chicago	Annual Blooming Fest Event was Canceled due to COVID-19				
Village of Westmont	Rain Barrel Program	Ongoing	Village Hall		Sponsor
Winfield Township	brush pickup	April, May, Sept, Oct	unincorporated township	all unincorporated residents	Winfield Township Road District
Winfield Township	leaf pickup	November	unincorporated township	all unincorporated residents	Winfield Township Road District
Winfield Township	cooking oil recycling	every Monday	township garage	varies, average 100 gal per year	Winfield Township Road District
Winfield Township	annual recycling event	9/25/2021	township garage	550 cars	Winfield Township Road District
	- paper shredding, Christmas lights, paint, electronics				
Village of Winfield	Christmas Lights Recycling	December 2021-January 2022	Winfield Village Hall		Sponsor
Village of Winfield	Paint Collection	10/2/2021	Winfield Village Hall		Sponsor
Village of Woodridge	Gardening With Native Plants	4/15/2021	Virtual		Supporter / Advertiser
Village of Woodridge	Woodridge Rotary Recycling Extravaganza	5/8/2021	Cypress Cove		Supporter/ Organizer & Participant

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Village of Woodridge	Pumpkin Smash	11/6/2021	Camp Greenwood		Supporter/ Advertiser
Village of Woodridge	Sustainable Saturday Collection Event	3/19/22 (advertised 2/11/22)	Maple Ave.		Supporter/ Advertiser
York Township	Electronic Recycling	All Year	On Site	N/A	York Township Residents Only
York Township	Brush Pick	May thru October	Residents Property	N/A	York Township Unincorporated Areas
York Township	Free Wood Chips Pick Up	All Year	14th and Meyers	N/A	York Township Residents
York Township	Wood Chips Delivers	Spring and Fall	Residents Property	40 + -	York Township Residents Only

Group Events hosted/ attended by SCARCE- supported by DuPage County and co-permitees:

Education Categories: RB-Rain Barrel, NP-Native Plants, PP-Permeable Pavers, GB- Green Building, SWM- Stormwater Management, BMP-Best Management Practices, HHW-Household Hazardous Waste, Q&Q- Quantity and Quality, GR- Green Roof, BS- Bio Swale, RX- Medicine Disposal, COC - Curbside Compost, COO- Backyard Compost, COW- Indoor Compost, COR - Cooking Oil Recycling, Phos- Phosphates, WS- Watershed Model, GWFM-Groundwater Flow Model, CW- Car Washing, SDC- Sustainable Design Challenge, GC- Green Cleaning, LP- Litter Prevention, AB- Anti Bacterial Soap, ER- Electronic Recycling, WL- Wetland, WQF - Water Quality Flag

Type: B- Business, Gov- Government, Com- Community

Date	Education Category	Type	Group	Town	# of Participants
3/2/2021	SDC - Virtual Meet - Up Planning Meeting	COM. / GOV.	SCARCE / DPC	Addison	2
3/2/2021	SDM, LP, Q&Q, SWM, BMP	GOV.	Addison Public Library	Addison	2
3/3/2021	RB, NP, Q&Q, BMP, SWM, COO, COC	GOV.	Roselle Public Library	Roselle	15
3/5/2021	SDM Training	COM.	Boy Scouts	Naperville	1
3/9/2021		COM.	Roselle Rotary	Roselle	12
3/15/2021	LP, Q&Q, BMP	COM.	Boy Scouts	Naperville	1
3/18/2021	LP, Q&Q, SDM, BMP, COO, COC	COM.	Daisy Scouts	Elmhurst	26
3/22/2021	Growin' Green Garden Market Planning Meeting	COM.	SCARCE	Addison	4
3/23/2021	Q&Q, LP, BMP, SDM	GOV.	Village of Hanover Park - Environmental Committee	Hanover Park	5
3/23/2021	Environmental Town Hall	GOV. / COM.	IL Rep. Costa Howard /IEC	DuPage County	57

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3/24/2021	Planning Meeting for Summer Camp Programs - WSM, LP, Q&Q	GOV.	Addison Park District	Addison	1
3/25/2021	WQF	COM.	Cantigny - Green Team	Wheaton	9
3/29/2021	SDM	COM.	Resident	Lisle	1
3/31/2021	Growin' Green Garden Market Planning Meeting	COM.	SCARCE	Addison	1
4/5/2021	Sustainable Design Challenge Planning Meeting	COM. / Gov.	SCARCE / DPC	Addison	1
4/8/2021	COR, Rx, COC, COO	COM.	PEO Elmhurst	Elmhurst	19
4/15/2021	Get You Garden Growin' Green Workshop	COM.	SCARCE	Addison	7
4/21/2021	LP, Q&Q, BMP	COM.	Girl Scouts	Glendale Heights	10
4/22/2021	WSM, Q&Q, NP, SWM, BMP, LP, SDM	B	Ace Hardware	Oak Brook	12
4/22/2021	Water Quality Flag Ceremony	COM.	Cantigny	Wheaton	16
4/22/2021	WSM Loan	COM.	Girl Scouts	Winfield	7
4/23/2021	LP, Q&Q, BMP	COM.	Girl Scouts	Wheaton	18
4/24/2021	SDM, Q&Q, LP, BMP	B/ COM.	Ecolab	Lisle	1
4/25/2021	Q&Q, LP, PU5, Rx, SDM, COR, COO, COC, NP, RB, Lead-Free Hoses	COM.	Redeemer Lutheran Church	Hinsdale	15
4/26/2021	Hope's Garden	COM. / Gov.	DPC Sheriff's Department	Wheaton	7
5/1/2021	Growin' Green Garden Market - WSM, Q&Q, SDM, Lead-Free Hoses, LP, Leak Detection Tablets, COR	COM.	SCARCE	Addison	416
5/4/2021	LP, Q&Q, BMP	COM.	Girl Scouts	Lombard	12
5/4/2021	Q&Q, Rx, Leak Detection Tabs	GOV. / COM.	Addison Community T.V. Channel	Addison	4
5/6/2021	COO, COC, SWM, BMP	COM.	WDCB	Glen Ellyn	1
5/6/2021	Quarry Meeting	GOV.	DuPage County	DuPage County	5
5/7/2021	SWM, COO, COR	COM.	SCARCE	Addison	5
5/10/2021	LP, Q&Q, BMP	COM.	Girl Scouts	Wheaton	14
5/12/2021	LP, COC	B.	Downtown Wheaton	Wheaton	3
5/12/2021	RB, NP, PP, GB, GR, SWM, BMP, Q&Q, SDM, LP, Rx, COO, COC, COR, GC, SDC, Nutrient Load	COM.	Naperville Garden Club	Naperville	9
5/14/2021	SDM Training	COM.	Resident	Naperville	1
5/20/2021	Public Works Open House	GOV. / COM.	City of Warrenville	Warrenville	120
5/20/2021	SWM, COO, COR	GOV. / COM.	Roselle Public Library	Roselle	7
5/27/2021	RB, NP, PP, GB, GR, SWM, BMP, Q&Q, SDM, LP, Rx, COO, COC, COR, GC, SDC, Nutrient Load	COM.	Downers Grove Garden Club	Downers Grove	16
6/5/2021	LP, Q&Q, BMP	COM.	Girl Scouts	Itasca	9
6/8/2021	Q&Q, SWM, BMP, SDM	COM.	SCARCE	Addison	5
6/8/2021	Q&Q, Rx, COO, COR, Pumpkin Composting	COM.	1st Congregational Church	Glen Ellyn	17
6/9/2021	Q&Q, SWM, BMP, SDM	COM.	SCARCE	Addison	4
6/10/2021	LP, Q&Q, BMP	COM.	Girl Scouts	Lombard	5
6/13/2021	WQF Ceremony	COM.	First United Methodist Church	West Chicago	21
6/15/2021	Q&Q, SWM, BMP, SDM	COM.	SCARCE	Addison	3
6/16/2021	Q&Q, SWM, BMP, SDM	COM.	SCARCE	Addison	3
6/21/2021	Q&Q, COO, BMP, SWM, SDM, COR, NP, Rx	B. / COM.	Cantigny	Wheaton	30
6/23/2021	WQF, Q&Q, LP, SDM	B.	Vaxcel	Carol Stream	2

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6/23/2021	Q&Q, SWM, BMP, SDM	GOV.	IL Rep. Terra Costa Howard & Staff	Glen Ellyn	6
6/27/2021	WSM, Q&Q, SWM, SDM, COR, BMP	COM.	Naperville Park District	Naperville	175
6/29/2021	Q&Q, LP, BMP	COM.	Addison Park District	Addison	26
6/30/2021	Q&Q, LP, BMP	COM.	Willowbrook Corners	Willowbrook	50
7/1/2021	Q&Q, LP, BMP	COM.	High Point Church	Wheaton	95
7/13/2021	RB, NP, SWM, BMP, Rx, Q&Q, COO, COC, COR, LP, SDM, WQF	COM.	SCARCE	Addison	5
7/14/2021	SDM, LP, Q&Q, BMP, WSM, WQF	COM.	SCARCE	Addison	6
7/15/2021	SDM, LP, Q&Q, BMP, WSM, WQF	COM.	SCARCE	Addison	3
7/15/2021	RB, NP, SWM, BMP, Rx, Q&Q, COO, COC, COR, LP, SDM, WQF	COM.	SCARCE	Addison	12
7/20/2021	Q&Q, BMP, Lead Free Hoses	COM.	Lions Club	Wheaton	47
7/22/2021	COO, COC, Q&Q, BMP, SWM	COM.	Wheaton Park District	Wheaton	16
7/23/2021	RB, NP, SWM, BMP, Rx, Q&Q, COO, COC, COR, LP, SDM	COM.	AARP	Roselle, Bloomingdale, Carol Stream, Glen Ellyn, Medinah	12
7/26/2021	Rx, COR, COC, Pumpkin Composting	COM.	Garden Clubs of IL	DuPage County	97
7/27/2021	WSM, RB	GOV.	Addison Park District	Addison	25
7/28/2021	WQF	COM.	Christ the Servant Church	Woodridge	5
7/30/2021	Q&Q, BMP, Lead Free Hoses	GOV.	IL Farm Bureau	DuPage County	9
8/2 - 8/13/2021	August was Water Quality Month- SCARCE put out 8 social media posts on Native Plants, Litter Prevention, Rain Barrels, Water Quality & Quantity, Lead-Free Hoses and Best Management Practices	COM.	SCARCE	Addison	29,515
8/3/2021	LP, Leak Detection Tablets, Q&Q, COC, COO, SDM, Rx	GOV.	Westmont Police Department	Westmont	250
8/3/2021	COO, COC, BMP, SWM, LP	GOV.	Addison Park District	Addison	44
8/4/2021	RB, NP, PP, SWM, BPM, Q&Q, COO, COC, Rx, COR, SDM, LP	GOV.	Wheaton Park District	Wheaton	14
8/10/2021	WQF, WSM, SDM, LP, RB, NP, PP, SWM, BMP, Rx, COR, SDC, Rx	COM.	Indivisible DuPage	DuPage County	6
8/10/2021	NP, BMP	GOV.	Addison Public Library	Addison	7
8/11/2021	WQF, WSM, SDM, LP, RB, NP, PP, SWM, BMP, Rx, COR, SDC, Rx	COM.	SCARCE	Addison	9
8/13/2021	Q&Q, BMP, LP, SDM, Rx	COM.	WDCB	Glen Ellyn	1
9/2/2021	Rx, SDM, LP, SWM, BMP	COM.	City of Wood Dale Public Works	Wood Dale	200
9/8/2021	SDM Training	COM.	Naperville Resident	Naperville	1
9/8/2021	SDM Training	COM.	Clarendon Hills Resident / University of Illinois Extension Master Naturalist Program	Hinsdale, Clarendon Hills & Westmont	1
9/15/2021	SDM Training	B.	Clarke	Roselle, Bloomingdale Township	1
9/20/2021	SDM Training	COM.	Lisle Resident	Lisle	1
9/24/2021	RB, NP, PP, GB, GR, SWM, BMP, Q&Q, SDM, LP, Rx, COO, COC, COR, GC, SDC, Nutrient Load	COM.	Lombard Garden Club	Lombard	18
10/6/2021	Q&Q, Rx, BMP, COR	COM.	Schaumburg Garden Club		7

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10/6/2021	Q&Q, Rx, BMP, COR	COM.	PEO - Lexington Square	Lombard	34
10/7/2021	Q&Q, Rx, BMP, COR	B	EFBC	DuPage County	16
10/7/2021	Q&Q, BMP, RB, NP, RX, SWM, COO, COC	GOV / COM.	Roselle Park District - Garden Club	Roselle	25
10/9/2021	Rx, Leak Detection Tables, Q&Q	COM.	Cantigny	Wheaton	90
10/16/2021	WQF, RB, NP, Q&Q, SWM, BMP, Lead-Free Hoses, Rx	COM.	NEST	Naperville	12
10/20/2021	NP, SWM, COC, COR	B	Downtown Wheaton Business Association	Wheaton	4
10/23/2021	NP, RB, SWM, BMP, Q&Q, Rx, Lead-Free Hoses, COO, COC	COM.	Downers Grove Organic Garden Club	Downers Grove	15
10/26/2021	COO, COC, Rx, Pumpkin Smash	COM.	Woodridge Rotary	Woodridge	20
11/1/2021	LP, Q&Q, BMP	COM.	Girl Scout	Woodridge	7
11/4/2021	COC, COO, SWM, BMP, Q&Q	COM. / GOV.	Addison Public Library	Addison	3
11/6/2021	Pumpkin Smash - COC	COM.	SCARCE	DuPage County	
11/10/2021	Q&Q, BMP, COC, RB, WQF, COR, Rx	GOV.	Fermilab	Batavia	4
11/11/2021	COC, NP, SWM, BMP, Q&Q	B	Antunes	Carol Stream	1
11/11/2021	NP, RB, SWM, BMP, Q&Q, Rx, Lead-Free Hoses, COO, COC	COM.	Bolingbrook Garden Club	Bolingbrook	16
11/13/2021	COC, COO, SWM, BMP, Q&Q	COM.	SCARCE	Addison	8
11/15/2021	COR, BMP, Q&Q, WQF	GOV.	Village of Addison	Addison	2
11/17/2021	Q&Q, SWM, BMP, SDM	COM.	SCARCE	Addison	4
11/19/2021	WQF, Q&Q, SWM, BMP, SDM, Rx, COR	GOV.	IL ST. Rep. Janet Yang Rohr	Naperville, Warrenville & Bolingbrook	3
11/22/2021	COR	COM.	WDCB	Glen Ellyn	1
11/27/2021	Cooking Oil Collection Event	COM.	SCARCE	DuPage County	
12/3/2021	LP, Q&Q, BMP	COM.	Daisy Troop	Elmhurst	20
12/11/2021	LP, Q&Q, BMP	COM.	Girl Scouts	Woodridge & Darien	14
12/16/2021	Q&Q, BMP, Rx, SDM, Lead - Free Hoses	B, COM.	Alliance of Hazardous Materials Professionals	DuPage County	14
1/4/2022	WSM, Q&Q, RB, PP, NP, LP, SDM, SWM, BMP, Rx	COM.	Girl Scouts	Glen Ellyn	13
1/10/2022	Rx, LP, SDM, COR	COM.	Junior Chapter of PEO	Elmhurst	16
1/13/2022	WQF - Planning Meeting	GOV.	Addison Township Highway Department	Wood Dale	3
1/18/2022	Rx, SDM, NP, LP	GOV. / COM	City of Warrenville	Warrenville	11
1/19/2022	Rx, LP, SDM, COR	GOV. / COM	Addison Public Library	Addison	14
1/20/2022	Rx, LP, SDM, COR	GOV. / COM	Glen Ellyn Park District	Glen Ellyn	34
1/24/2022	Sustainable Design Challenge	GOV.	DuPage County	Wheaton	1
2/2/2022	COC, COR, Rx, Q&Q, Pumpkin Smash	COM.	Etz Chaim	Lombard	15
2/10/2022	WQF	GOV.	Addison Township Highway Department	Wood Dale	4
2/10/2022	WQF, Q&Q, SDM, Planning Upcoming Earth Day Event, WSM	GOV.	Wood Dale Park District	Wood Dale	2
2/11/2022	LP, Q&Q, BMP	COM.	Cub Scouts	Lombard	20
2/14/2022	Q&Q, NP, Pollinators, COO, COC, Lead-Free Hoses, Pumpkin Smash, RB, GR, Community Gardens, COR, Rx	COM.	Village Gardeners of Hinsdale	Hinsdale	15
2/22/2022	WQF, PP, NP, BMP, SWM, RB	COM. / GOV.	Glen Ellyn Park District Advisory Board	Glen Ellyn	10
2/23/2022	WQF, SDM	GOV.	City of Wood Dale	Wood Dale	2
1/21/2022	COO, COC, BMP, NP, Lead-Free Hoses, COO, COC, Pumpkin Smash, GB, RB, Cisterns, GR, SWM, Rx	COM.	Cress Creek Garden Club	Naperville	40

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2/21/2022 - 2/26/2022	WSM Video	COM. /COL.	Illinois Institute of Technology	Wheaton	
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A5. Classroom Educational Material

Goal:

DCSM partners with schools and local educational organizations throughout the co-permittee area on stormwater management and water quality education promoting water quality and environmental efforts using watershed models and other educational tools.

Milestone:

Target at least 10 schools within the permit area with outreach programs per year.

Status:

DuPage County promoted student and teacher education of water quality topics by supporting S.C.A.R.C.E. (School and Community Assistance for Recycling and Composting Education). The following activities were conducted by S.C.A.R.C.E. and supported by DuPage County during the reporting year:

Education Categories: RB-Rain Barrel, NP-Native Plants, PP-Permeable Pavers, GB- Green Building, SWM- Stormwater Management, BMP-Best Management Practices, HHW-Household Hazardous Waste, Q&Q- Quantity and Quality, GR- Green Roof, BS- Bio Swale, RX- Medicine Disposal, COC - Curbside Compost, COO- Backyard Compost, COW- Indoor Compost, COR - Cooking Oil Recycling, Phos- Phosphates, WS- Watershed Model, GWFM-Groundwater Flow Model, CW- Car Washing, SDC- Sustainable Design Challenge, GC- Green Cleaning, LP- Litter Prevention, AB- Anti Bacterial Soap, ER- Electronic Recycling, WL- Wetland, WQF - Water Quality Flag

Type: T- Teacher, St- Student, Col- College

Date	Education Category	Type	Group	Town	# of Participants	# of Students
3/1/2021	WQF	T	Westmore E.S.	Lombard	1	0
3/9/2021	SDC Virtual Meet - Up	T, ST	DuPage County High Schools	Addison	39	
3/30/2021	Planning Meeting for Student Projects - SDM, COO, COC	COL.	North Central College	Naperville	1	0
3/30/2021	Planning Meeting for Conservation Club	T	York Center School	Lombard	1	0
4/22/2021	WSM Loan	T., ST	Wheaton Christian Grammar School	Winfield	1	60
5/5/2021	RB, NP, PP, GB, SWM, BMP, Q&Q, SDM, LP, Rx, COO, COC, COR, GC, SDC, Nutrient Load	COL.	College of DuPage	Glen Ellyn	25	0
5/27/2021	SDC - Award Pick -Up	ST	York H.S.	Addison	0	10
6/4/2021	Program Opportunities, SDM, SDC	T	Neuqua Valley H.S.	Naperville	1	0

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6/10/2021	Road Salt, Deicer, Q&Q	T	Illinois Association of School Board Officials	Schaumburg	14	0
6/29/2021	SDM, Q&Q, SDC	T	SCARCE	Addison	2	0
7/13/2021	SDM, LP, Q&Q, BMP	T, ST	Naperville School District 203	Naperville	3	0
8/5/2021	SDM Training	T	Sacred Heart School	Lombard	1	0
8/14/2021	Leak Detection Tablets, LP, Q&Q	T, ST, COM	School District 45	Villa Park	240	180
8/17/2021	WQF, WSM, SDM, LP, RB, NP, PP, SWM, BMP, Rx, COR, SDC, Rx	T.	Downers Grove Christian School	Downers Grove	13	0
9/8/2021	Rx, SDM, LP, SWM, BMP	COL	College of DuPage	Glen Ellyn	21	0
10/1/2021	WSM Loan	T, ST	Hawthorne E.S.	Elmhurst	1	10
10/5/2021	NP, Q&Q, BMP, SWM, GB, Rx,	T, ST	Hinsdale South High School	Darien	2	47
10/5/2021	WSM Loan	T, ST	Glenbard East High School	Lombard	1	72
10/12/2021	BMP, Q&Q, WQF, NP, RB, Lead-Free Hoses	T, ST	Prairie School of DuPage	Wheaton	4	14
10/14/2021	BMP, SWM, WQF, NP, RB, Lead-Free Hoses, WSM	T, ST	Prairie School of DuPage	Wheaton	4	11
10/18/2021	COO, COC, BMP, SWM, Q&Q	T, ST	Wood Dale Junior High	Wood Dale	2	16
11/1/2021	WSM - Loan	T, ST	Jefferson Elementary	Elmhurst	1	8
11/8/2021	WQF - Staff Training, RB, NP, PP, GB, SWM, BMP, Q&Q, Rx, COC, COO, COR	T, ST	Prairie School of DuPage	Wheaton	5	0
11/9/2021	COR, SDM, Rx, Pumpkins	COL	North Central College	Naperville	27	0
11/29/2021	NP, SWM, BMP, GR, LP, SDM, Rx, Pesticides, COC, Pumpkins, COR	T, ST	Marmion Academy	Aurora	3	150
12/1/2021	RB, NP, PP, GB, SWM, BMP, Q&Q, SDM, LP, Rx, COO, COC, COR, GC, SDC, Nutrient Load	COL	College of DuPage	Glen Ellyn	8	0
12/8/2021	COO, COC, BMP, SWM, Q&Q	T, ST	Edison Middle School	Wheaton	1	8
1/19/2022	WSM Program Planning Meeting	T	Still Middle School	Naperville	1	0
1/19/2022	COO, COC, BMP	T, ST	Edison Middle School	Wheaton	1	7
1/25/2022	Sustainable Design Challenge	T	Bryan Middle School	Elmhurst	1	0
2/2/2022	SDC, GB, BMP, SWM, Q&Q, WQF, LP, Upcoming Events	T	Bryan Middle School	Elmhurst	1	0
2/7/2022	WSM Loan	T, ST	Field Elementary	Elmhurst	1	55
2/9/2022	SDM, LP	COL	College of DuPage	Glen Ellyn	10	0
2/11/2022	COO, COC, SWM, BMP	T, ST	Glenbard East H.S.	Lombard	1	63
2/15/2022	WQF, RB Drop - Off	T, ST	Walker Elementary School	Clarendon Hills	2	20
2/16/2022	LP, Q&Q, SDM	T, ST	Sandburg E.S.	Wheaton	3	68
2/21/2022	SDC, BMP, GB, Upcoming Events	T, ST	Naperville North	Naperville	4	5

B. Public Participation/ Involvement

B2. Educational Volunteer

Goal:

DCSM sponsors a variety of volunteer opportunities, including: the Adopt-a-Stream program, the DuPage River Sweep, and the storm drain medallion program.

Milestone:

Participate at or sponsor 3 events targeted at school aged children per year.

Status:

DuPage County sponsors the following programs through the Conservation Foundation and SCARCE on behalf of all co-permittee communities:

Storm Drain Medallions

DuPage County sponsors Storm Drain Medallion programs through The Conservation Foundation and SCARCE. Storm drain medallions are applied by volunteers to educate the public on non-point source pollution from stormwater runoff. Volunteers receive the medallions, adhesive, alcohol wipes (to remove glue from their hands) and a wire brush. An education video and information materials are provided to the participants to instruct them on the proper placement of the medallions.

Medallions Applied through The Conservation Foundation program:

- Village of Westmont- 10 medallions in Westmont

Medallions Applied through SCARCE program:

- Naperville Boy Scout Troop - 63 medallions
- Lisle resident - 150 medallions applied in Lisle, Downers Grove, Westmont, Naperville, Winfield
- Naperville resident - 20 medallions Naperville resident, Medallions applied in the Knolls of Huntington subdivision
- Sacred Heart School in Lombard - 16 medallions applied medallions on school property, train station and surrounding neighborhoods
- Naperville resident - 10 medallions applied in Willowcreek Townhome Community
- Hinsdale resident, applied in Hinsdale, Clarendon Hills and Westmont - 10 medallions
- Clarke Environmental applied in Roselle & Bloomingdale Township - 57 medallions
- Girl Scout Troop 55766 - 13 medallions
- Addison Township – 62 medallions

Additionally, the following communities continue to utilize permanent drain covers:

- Addison
- Wheaton
- Bloomingdale Township
- Bolingbrook
- Elmhurst
- Glen Ellyn
- Lisle
- Warrenville
- Westmont

2021 DuPage County River Sweep

The annual DuPage County River Sweep is a county-wide self-coordinated stream cleanup and restoration event. The purpose of the River Sweep is to encourage volunteers to help “sweep our rivers clean” by picking up debris in and along the local waterways and restoring nearby land back to its natural state. In 2021, over 47 miles of shoreline were cleared of trash. Since its inception in 1991, over 14,399 volunteers have removed approximately 292 tons of garbage from the DuPage County waterways.

- Date of Event: May 15, 2021
- Number of Participants: 587 volunteers
- Area Covered: Approx. 47 miles
- West Branch Totals - 17.5 miles
- East Branch/ Salt Creek -29.5 miles
- Tons of Litter: Approximately 7.66 tons
- Restoration Work: 1.5 acres restored (buckthorn, honeysuckle, and garlic mustard removed)

Adopt-A-Stream

Adopt-A-Stream was initiated by DuPage County Stormwater Management in 1995. The program encourages citizen-based stewardship of the County’s water resources to keep them healthy, clean, and attractive. It supports the belief that everyone can make a difference in the aquatic habitats and general appeal of the County’s waterways. When groups remove trash from streams and waterways two times a year for two-years, they become eligible for a sign. There was 1 group eligible for a sign during the reporting year.

- Number of Volunteer Groups: 32
- Number of Volunteers: 245
- Number of bags of trash: 155
- Estimated pounds of trash: 1,615 lbs.
- Installed sign: 1 (Engineering Resource Associates, Inc.-ERA)

Conservation@Home / Conservation@Work

The Conservation@Home and Conservation@Work programs promote the use of native landscaping, rain gardens and rain barrels to homeowners, businesses, and developers in DuPage County.

Conservation@Home/Work provides a way to educate the citizens of DuPage County about stormwater and provides them with the resources they can use to improve water quality on their properties. DuPage County Stormwater Management sponsors the programs which are conducted by The Conservation Foundation. Staff conducts evaluations and certifications of residential properties, school campuses and business properties throughout the county as well as provides information and resources for planting and maintaining certified properties and promotes the program through presentations and partnerships.

Through these programs eighteen (19) homes were certified during the reporting period. Another sixteen (16) homes are in-progress sites for certification in the Conservation @ Home program.

Rain Barrels

During the reporting year, Six-hundred thirty-nine (639) rain barrels were distributed throughout DuPage County communities. All the sales were through The Conservation Foundation (TCF) website link for DuPage County residents to purchase rain barrels

The Conservation Foundation maintains a countywide link for DuPage County residents to purchase rain barrels. Residents have the option to pick-up their rain barrel or they can have it delivered. Videos instructing homeowners on how to install a rain barrel are posted on the DuPage County Love Blue Live Green YouTube page and the Conservation Foundation website. In a typical year, DuPage County sponsors rain barrel raffles at various events and watershed stakeholder meetings throughout the year; however, rain barrel raffles were limited during the reporting year due to Covid-19.

Additional Programs by Co-Permitees

Agency	Program Name	Date	# of Participants	Metrics (Amount of trash collected/ # of storm drain medallions/ etc.)
Addison Township	E-Cycling Boy Scout Troop 410	7/31/2022	6	(Total collected for all events) 29,092
Addison Township	Textile Recycling event			(Total collected for all events) 4640
Village of Adison	River Sweep with Boy Scout Troop 410	7/26/2021	18	(13) 30-gallon trash bags

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Village of Addison	Addison Recycling Event (USMe, ProShred, SCARCE, Addison VFW, Republic Services)	4/17/2021	27	Unknown. All volunteers recycled collected contents.
Village of Addison	Addison Recycling Event (USMe, ProShred, SCARCE, Addison VFW, Republic Services)	10/2/2021	28	Unknown. All volunteers recycled collected contents.
Village of Bensenville	Trash Pick Up SWAP	Monthly	12	
Village of Bensenville	Earth Day Clean Up	4/24/2021	40	
Village of Bensenville	Redmond Park Beautification	9/25/2021	25	
Village of Carol Stream	Pond & Stream Sweep	5/22/2021	156	1,100 lbs
Village of Carol Stream	Adopt-A-Highway	2021	6 (Groups)	28 Visits; 33.22 Miles Cleaned
Village of Downers Grove	DuPage River Sweep	5/15/2021	36	62 bags of trash
City of Elmhurst	Arbor day	4/29/2022	N/A	City event with school planting tree
Village of Glen Ellyn	Earth Day Event in conjunction with Park Dist.	4/25/2021	Unknown	
Village of Glen Ellyn	Recycle Extravaganza	9/18/2021	~450 cars	
Village of Hanover Park	Recycling Event	10/2/2021	118 Vehicles	779 pairs of eyeglasses, 223 ink cartridges, 3 hearing aids, 70 cellphones/chargers, 1 pounds of metal keys, 2 pounds of tabs, 73 flags, 200 books, 30 games, 3 large bags of yarn, 5 brita filters, 100 bread tags, 12 corks, various school supplies, 18 car sized batteries, 12 small backup batteries, 130 gallons of oil, 22 gallons of antifreeze, 20 bags of clothing for Simply Recycling, and 5,400 pounds of paper was shredded.
Village of Hanover Park	MLK Buildup	5/22/2021		Teamed with DuPage Habitat for Humanity to paint fences and cleaning up the neighborhood.
Village of Itasca	Pumpkin Smash Event	11/6/2021	N/A	2.4 tons of pumpkins

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Village of Itasca	Itasca Green Day	5/8/2021	800-900 cars est.	300-gal motor oil, 15 gal antifreeze, 15 gal cooking oil, 2 truckloads shredded paper, 1 truckload cardboard, 35 car batteries, 4-5 gal buckets of rechargeable batteries, 5-5 gal buckets of regular batteries, 200 lbs steel scrap, 25 fire extinguishers, 100 flags, 700 eyeglasses, 10 bags clothes, 8 bicycles, 6 lbs prescription drugs, 3/4 full 53' semi-trailer of electronics
Lisle Township	DuPage River Sweep	Advertise event in Spring/Summer newsletters annually to households in our community		
Village of Lisle	Stormwater Medallion Labeling Events	4-27-2021, 9-9-2021, 9-15-2021	12	Total of 68 medallions.
Village of Lisle	Stormwater Medallion Labeling Events	9-16-2021, 10-4-2021, 10-5-2021	14	
Village of Lisle	Stormwater Medallion Labeling Events	10-15-2021, 10-20-2021, 11-3-2021	11	
Village of Lisle	Stormwater Medallion Labeling Events	11/10/2021	16	
Village of Lisle	River Sweep	5/15/2021	22	Total of 46 bags of trash.
Village of Lombard	Lombard Pride Cleanup of bike trails and parks	4/22/2021	100	20 trash bags
Village of Lombard	DuPage River Sweep coordination with Glen Ellyn	5/22/2021	4	4 trash bags
Village of Roselle	Clarke Environmental Volunteer Stream Cleaning	4/19/2022	9	Wetland Perimeter cleaned
Village of Roselle	Clarke Environmental Volunteer Stream Cleaning	9/21/2021	6	Wetland Perimeter cleaned
City of Warrenville	Arbor Day	5/1/2021	100	200 trees given away
Village of Wayne	North Branch Norton Creek Clean-up	April, 2022	25	
Village of Wayne	Village Wide Litter Pick-up	April, 2022	50	40 Bags of Trash Collected

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City of Wheaton	Adopt a highway	3/5/2022	5	8 bags of trash
City of Wheaton	Pumpkin Smash event	11/6/2021		5 tons of pumpkins composted
City of Wheaton	Electronics Recycling	10/9/2021	200 cars	350 fluorescent bulbs, 10 gallons of cooking oil
City of Wheaton	Electronics Recycling	9/11/2021	273 cars	300 fluorescent bulbs
City of Wheaton	Electronics Recycling	8/14/2021		100 fluorescent bulbs, 12 gallons of oil
City of Wheaton	Adopt a highway	7/17/2022	5	5 bags of trash
City of Wheaton	Electronics Recycling	7/10/2021		200 fluorescent bulbs, 10 gallons of cooking oil
City of Wheaton	Electronics Recycling	6/12/2021		200 fluorescent bulbs, 30 gallons of cooking oil
City of Wheaton	Adopt a highway	5/22/2021	4	4 bags of trash
City of Wheaton	Electronics Recycling	5/8/2021		400 fluorescent bulbs
City of Wheaton	Native Plant Sale	4/24/2021	250 customers	99% of plants were sold
City of West Chicago	Adopt a Highway Cleanup - Environmental Commission (North Avenue Rt 64)	4/17/2021 & 10/16/21	5	This has not been tracked in the past but will for future events
City of West Chicago	Adopt a Highway Cleanup - Ball Horticultural Company (Roosevelt Road (Rt 38)	04/23/21	8	This has not been tracked in the past but will for future events
Village of Winfield	2021 Winfield River Sweep	5/15/2021	12	
City of Wood Dale	Salt Creek Cleanup			
Village of Woodridge	DuPage River Sweep	5/15/2021		

B3. Stakeholder Meeting**Goal:**

DCSM hosts regular water quality stakeholder meetings in the form of workshops in each of the main watersheds to address matters pertaining to pollutant reduction on a watershed level. These have largely moved to a virtual format and are now available to all members of the public throughout all watersheds. In addition, watershed stakeholder meetings are held to gather input on water quality impairments as part of watershed planning efforts.

Milestone:

Participate in or organize 3 water quality stakeholder meetings per year.

Status:

The Covid-19 pandemic required moving stakeholder meetings to a virtual platform. On a virtual meeting platform, we were able to open all workshops to all members of the public in all watersheds. Attendance at each workshop was increased in the virtual format and we plan to continue hosting virtual workshops in the future in addition to in-person events once public health recommendations allow.

Agency	Outreach	Date	Location	# of Attendees	Involvement
DuPage County	"Stream Restoration Case Studies" Webinar	3/11/2021	Countywide/ Virtual	99/Professional	Sponsor/ Host
DuPage County	"It Starts with a Raindrop: Planning Your Rain Garden" Webinar	3/17/2021	Countywide/ Virtual	249/Public	Sponsor/ Host
DuPage County	"Lessons from the Red Oak Rain Garden" Webinar	4/8/2021	Countywide/ Virtual	110/Professional	Sponsor/ Host
DuPage County	"Doing Your Part for Earth Day" Webinar	4/21/2021	Countywide/ Virtual	70/Public	Sponsor/ Host
DuPage County	"Conservation of Illinois Dragonflies" Webinar	5/19/2021	Countywide/ Virtual	118/Public	Sponsor/ Host
DuPage County	"Why Native Plants are Important to Soil Health & Pollinators" Webinar	6/16/2021	Countywide/ Virtual	155/Public	Sponsor/ Host
DuPage County	"Living Architecture: Green Roofs, Living Walls & More" Webinar	7/21/2021	Countywide/ Virtual	143/Public	Sponsor/ Host
DuPage County	"Water Quality Outreach: Lawn care, Leaves, Winter Tips & Pet Waste" Webinar	10/14/2021	Countywide/ Virtual	109/Professional	Sponsor/ Host
DuPage County	"Spring Brook No. 1 Wetland & Creek Restoration" Webinar	11/18/2021	Countywide/ Virtual	189/Professional	Sponsor/ Host
DuPage County	"Arlington Reservoir Retrofit & Maintenance" Webinar	12/9/2021	Countywide/ Virtual	90/Professional	Sponsor/ Host
DuPage County	"Green Infrastructure Maintenance- It Can Be Successful!"	1/13/2022	Countywide/ Virtual	246/ Public	Sponsor/ Host
DuPage County	"West Branch DuPage River Corridor Restoration"	2/10/2022	Countywide/ Virtual	212/ Public	Sponsor/ Host/ Presenter
Village of Downers Grove	Solving Problems in Your Yard with Rain Barrels, Rain Gardens and Native Plants	5/6/2022	Village of Downers Grove/ Virtual		Host
City of Elmhurst	Arlington Reservoir Retrofit & Maintenance Webinar	12/9/2021	Countywide/ Virtual	30	

Additionally, three public meetings were held for public comment on watershed plans:

Watershed Planning Stakeholder Meetings	Date
East Branch DuPage River Watershed- Based Plan Stakeholder Meeting	3/22/2021
Wards Creek Watershed Plan Stakeholder Meeting	10/13/2021
Wards Creek Watershed Plan Stakeholder Meeting	1/19/2022

B4. Public Hearing

Goal:

DCSM provides opportunity for public comment at countywide annual public meetings in order to reach all interested residents to provide input on the adequacy of its MS4 program, watershed plans, and projects. DCSM publicizes public meetings in conjunction with its education and outreach initiatives. Notice of public meetings is also distributed through co-permittee agencies.

Milestone:

Conduct one countywide public input meeting per year.

Status:

For the 2021 reporting year, a countywide virtual public meeting space was created including an informational video and public comment portal. The virtual meeting space was open from February 1 to February 15, 2022. Information on the virtual meeting space and public comment portal was shared through a press release and posted on the County's website. The information was also shared through email with all co-permittees for additional distribution. During the comment period, a total of 12 comments were received. Comments were addressed through a public comment response document. Any comments from incorporated areas were shared with the respective municipalities.



DUPAGE COUNTY NEWS RELEASE

421 N. County Farm Road Wheaton, Illinois 60187 630-407-6060

Website: WWW.DUPAGECO.ORG • Twitter: @dupagecounty • Facebook: DuPage County Board

For Immediate Release
February 1, 2022

Contact: Mary Mitros
630-407-6706

DuPage County Stormwater Management Accepting Input on Water Quality Program

Wheaton, IL – DuPage County Stormwater Management is currently accepting input on their Countywide Water Quality Program. Comments will be accepted through February 15, 2022.

The Countywide Water Quality Program includes a partnership of DuPage County and 41 municipalities and townships working together to meet water quality goals. Included within this partnership, the Illinois Environmental Protection Agency granted DuPage County Stormwater Management a countywide permit to meet federal water quality requirements, including:

- Public Education and Outreach on Water Quality Topics
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination
- Construction Site Erosion and Sediment Controls
- Post-Construction Best Management Practices for Water Quality
- Pollution Prevention and Good Housekeeping for Municipal Operations
- Water Quality Monitoring Program

A public comment portal has been created where visitors can view an informational video on DuPage County's Water Quality Program, download the complete program plan and submit electronic comments. It can be found at https://www.dupageco.org/EDP/Stormwater_Management/Water_Quality/65814/.

DuPage County Stormwater Management is accepting input on the program through February 15, 2022. Comments may be submitted electronically by visiting the link above, by email to water.quality@dupageco.org or by mail to:

DuPage County Stormwater Management
Attn: Mary Beth Falsey
421 North County Farm Road
Wheaton, IL 60187

For questions or issues, please contact DuPage County Stormwater Management at (630) 407-6673.

###

Water Quality Program Virtual Public Meeting

Overview



DuPage County Stormwater Management is providing this virtual public meeting space in accordance with DuPage County's National Pollution Discharge Elimination Systems (NPDES) Permit No. ILR40 from the Illinois Environmental Protection Agency (IEPA), which allows DuPage County and its municipalities to discharge stormwater into waterways. The NPDES permit requires County hold at least one meeting annually for the public to provide input on the countywide water quality program.

IEPA Permit No. ILR40 includes the following components:

- Public Education and Outreach on Water Quality Topics
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination
- Construction Site Erosion and Sediment Controls
- Post-Construction Best Management Practices for Water Quality
- Pollution Prevention and Good Housekeeping for Municipal Operations
- Water Quality Monitoring Program

The full DuPage County Stormwater Management Program Plan can be found at: http://www.dupageco.org/EDP/Stormwater_Management/Water_Quality/54206/

Public Comment

DuPage County residents and stakeholders are encouraged to view the brief presentation and provide comment through the portal below. The portal will be open for public comment from February 1 through February 15, 2022.

To submit comment, visit www.dupageco.org/waterqualitysurvey/.

Additionally, the DuPage County Stormwater Management Planning Committee regularly holds monthly meetings on the first Tuesday of each month at 7:30 am. The DuPage County Stormwater Management Planning Committee is comprised of DuPage County Board Members and Municipal/ Community Members. At the beginning of each meeting, there is a public comment period which allows members of the public to provide input on the County's Stormwater program. The following Stormwater Management Planning Committee meetings were held during the reporting year:

- March 2, 2021
- April 6, 2021
- May 4, 2021
- June 1, 2021
- July 6, 2021
- August 3, 2021
- September 7, 2021
- October 5, 2021
- November 2, 2021
- December 7, 2021
- January 4, 2022
- February 1, 2022

Official minutes and agendas for all meetings can be found at:

<https://www.dupageco.org/County Board Committees/Stormwater Committee/17810/>

B6. Program Involvement**Goal:**

DCSM coordinates educational and public involvement strategies. To gauge their effectiveness, DCSM develops and distributes surveys via an email list, webpage, and/ or on social media. These surveys gather feedback from recent outreach activities and measure citizen views, behaviors, and concerns pertaining to a variety of topics, including water quality, property management, flood perceptions, and residential pollutant control.

Milestone:

Develop and disperse 1 survey per year.

Status:

A street sweeping and leaf litter practices survey was conducted by the DRSCW in April 2021. The survey received 55 responses from municipalities, townships, and agencies.

Additionally, a storm sewer maintenance survey was conducted by DuPage County Stormwater Management in January and February 2022 and received 34 responses from municipalities and townships.

No formal surveys were conducted to the general public during the reporting year.

C. Illicit Discharge Detection and Elimination

C1. Storm Sewer Map Preparation

Goal:

Co-permittees provide a current storm sewer atlas to the DCSM. DCSM collects, compiles, and field verifies storm sewer maps to create a comprehensive storm sewer atlas. The atlas also includes the municipal limits of all participating MS4s extending outside of the DuPage County boundaries. Co-permittees provide DCSM with updates of the storm sewer atlas as needed.

Milestone:

Compile and verify the storm sewer atlas for 80% of DuPage County.

Status:

DuPage County Stormwater staff continues to work with townships, municipalities, and other county departments to update the storm sewer atlas with current storm sewer locations.

Agency

Willowbrook- Uploaded latest data

Date

5/26/2021

During the 2021 reporting year, DuPage County Stormwater continued to combine all storm sewer data for the county into one comprehensive GIS database. Combining each agency's data into one comprehensive layer will simplify tracing and spill response within DuPage County. Staff began creating a standard attribute set for the County in 2017 and continued to work with DuPage County Department of Transportation throughout 2021 on combining all data into a comprehensive layer.

C2. Regulatory Control Program

Goal:

Each co-permittee has enacted an Illicit Discharge Detection and Elimination (IDDE) Ordinance which regulates non-stormwater discharges to the Municipal Separate Storm Sewer System. DCSM enforces IDDE violations within unincorporated DuPage County and the Townships. Municipalities are responsible for enforcement within their limits. DCSM notifies the municipality when an illicit discharge is detected within municipal limits. DCSM informs the municipality of the location of the illicit discharge, the time(s) and date(s) of the discharge, and any additional information that would be necessary or prudent for the Municipality to have in order to carry out enforcement proceedings. DCSM provides municipalities with information required for enforcement action and prosecution and produces DCSM personnel in court, as necessary and upon adequate notice.

Milestone:

Review and amend the Ordinances, as needed to reflect new information and regulations.

Status:

The Illicit Discharge Detection and Elimination (IDDE) Ordinance was approved by the DuPage County Stormwater Management Planning Committee and County Board in May 2009. Following approval, the IDDE Ordinance was added to the DuPage County Code as Chapter 16. In January 2021, the DuPage County Stormwater Management Committee and County Board approved an amendment to the DuPage County IDDE Ordinance to mirror the numbering system and language used in the DuPage County Code standard Municode system. The provisions of the IDDE Ordinance did not change. No amendments were made during the 2021-2022 reporting period.

C3. Detection/Elimination Prioritization Plan**Goal:**

DCSM compiles information pertaining to the ten-step prioritization plan identified in the DuPage County IDDE Program Technical Guidance. Major watersheds for which outfalls have been prioritized.

Milestone:

Complete Des Plaines River, DuPage River, and Fox River Outfall Prioritization

Status:

After completing steps 1 and 2 in the DuPage County IDDE Program Technical Guidance outfall prioritization plan in 2016, we were scheduled to complete steps 3 and 4 in 2017. County staff adjusted the prioritization plan goal to complete outfall prioritization for the watershed that is scheduled for monitoring that year. Because the sections of the Des Plaines River, DuPage River, and Fox River watersheds were scheduled for outfall monitoring in 2021, outfall prioritization was completed for those three watersheds using the following steps:

Step 3 – Determine which of the Reach Illicit Discharge Risk Factors and Subbasin Illicit Discharge Risk Factors are going to be used for prioritization

Step 4 – Gather data required to compute the Reach Illicit Discharge Risk Factors and Subbasin Illicit Discharge Risk Factors

Step 5 – Compute Reach Illicit Discharge Risk Factors

Step 6 – Compute Subbasin Illicit Discharge Risk Factors

Step 7 – Compute Subbasin Illicit Discharge Risk Scores

Step 8 – Create Prioritization Scoring Map and Table

Step 9 – Perform Critical Review**Step 10 – Review Prioritization**

Steps 3-5: The reach illicit discharge risk factor we selected was the number of outfalls per stream mile (≥ 30). We considered outfalls located within 20ft of the Other_Outfalls_Stream_Miles GIS layer to be within the stream. Number of outfalls per stream mile (≥ 30) came to 0 priority outfalls.

The subbasin illicit discharge factors selected for inclusion were land use and high nutrients. No subbasins within the selected watersheds contain at least 50% industrially zoned land use. We identified areas of high nutrients, dissolved materials, or heavy metals not associated with POTWs as listed in the “Biological and Water Quality Study of the Lower DuPage River Watershed: Year 3 Rotation 2018” and none of those areas were within DuPage County. Additionally, no reports on high nutrients for the DuPage County portions of the Des Plaines River and Fox River are available. No outfalls were identified as priority outfalls based in industrial land use and high nutrients.

Historic discharge complaint locations were included as illicit discharge risks. The DuPage County Department of Health provided discharge and septic complaints from the last 5 years. Within the identified portions of the Des Plaines, DuPage and Fox Watersheds, we created 500 ft buffers surrounding the complaint locations and prioritized any outfalls within the buffer, which accounted for 5 priority outfalls.

Unresolved Areas of Concern within the selected watersheds were included as priorities. These are outfalls which previously received a discharge complaint, but the source was not identified, or the issue not resolved. This provided 2 additional priority outfalls.

Steps 6-8 were modified to score anything that met the criteria of an illicit discharge risk factor as a priority outfall.

This prioritization process resulted in the classification of 7 priority outfalls out of a total of 694 MS4 outfalls in the selected areas of the Des Plaines, DuPage, and Fox River watersheds.

C4. Illicit Discharge Tracing Procedures**Goal:**

Follow guidelines in the IDDE Program Technical Guidance manual to trace illicit discharges. Update the manual to reflect new techniques and practices.

Milestone:

Continue tracing illicit discharges in accordance with the DuPage County IDDE Technical Guidance Manual. Review and update the manual as needed.

Status:

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DuPage County Stormwater Management staff monitored all known outfalls within the county's portions of the Des Plaines, Fox, and DuPage River Watersheds and priority outfalls from other watersheds within the county. Staff also responded to complaints regarding illicit discharges. Any suspected illicit discharges were traced to their source when applicable and removal of the discharge was completed through use of the IDDE Technical Guidance Manual protocols.

Date	Municipality	Issue	Outcome
3/4/2021	Lisle	Leaking underground storage tank	Staff verified no release offsite or into waterways and there was no release beyond immediate tank area
3/8/2021	Wheaton	Sump pump discharging septic into storm sewer	Sampled for fecal coliform. Sump pump and pipe removed by homeowner
3/9/2021	Bensenville	Leaking underground storage tank	Staff verified no release offsite or into waterways and there was no release beyond immediate tank area
3/10/2021	Villa Park	Leaking underground storage tank	Staff verified no release offsite or into waterways and there was no release beyond immediate tank area
3/23/2021	Naperville	Paint spill from truck onto roadway and into storm sewer	Staff traced the paint into a roadway ditch. Incident information forwarded to IDOT for cleanup
3/24/2021	Woodridge	Liquid concrete resealer spilled from 55-gal drum onto grassy area	Verified no release to waterway or storm sewer. Spill contained to surrounding soil and was remediated.
3/25/2021	Lisle	Leaking underground storage tank	Staff verified no release offsite or into waterways and there was no release beyond immediate tank area
3/31/2021	Addison	Cooking oil spill	Addison staff verified industry cleaned up spill and no oil released into waterways
3/27/2021	Warrenville	Diesel spill from semi-truck accident	Inspected to verify no discharge downstream. Booms deployed in roadway ditch and soil remediation next to road by environmental contractor
4/7/2021	Addison	Septic spill	Health Department ordered resident to pump septic tank. No additional issues.
4/9/2021	Woodridge	Leaking underground storage tank	Staff verified no release offsite or into waterways and there was no release beyond immediate tank area
4/9/2021	Addison	Illicit discharge into storm system	Contents removed with vactor. No release into waterway.
4/13/2021	Bensenville	Polymer spill	Staff verified no release into the storm sewer system or into waterways
4/29/2021	Villa Park	Leaking underground storage tank	Staff verified no release offsite or into the waterways and there was no release beyond immediate tank area
4/30/2021	Addison	Chicken by-product leaking from trucks	Effectuated storm sewers cleaned by vactor truck. Staff coordinated with the IEPA and the Village to ensure sanitary connection and industrial discharge permits are obtained and complied with.
5/1/2021	Woodridge	Illegal dumping of used carpet cleaning liquids into storm sewer	Offender now takes wastewater to WWTP on Route 53 in Woodridge and has provided verification from the plant that the waste is indeed being taken there

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5/5/2021	Addison	Illicit discharge into storm system	Contents removed with vactor. No release into waterway.
5/5/2021	Addison	Cooking oil in storm system	Contents removed with vactor. No release into waterway.
5/14/2021	Addison	Illicit discharge into storm system	Contents removed with vactor. No release into waterway.
5/28/2021	Elmhurst	Fuel leaking from underground storage tank	Staff checked downstream waterways. Cleanup completed by environmental contractor
5/31/2021	Addison	Semi-truck fire	Contents removed with vactor. No release into waterway.
6/1/2021	Addison	Diesel fuel spill into pond	Oil booms deployed by Addison staff. Stormwater staff and IEPA staff verified extent of release. An environmental contractor remediated effected areas
6/4/2021	Bartlett	Diesel spill, approximately 20 gals released	Stormwater staff verified no release to waterways or offsite. Environmental contractor hired by responsible party to conduct soil remediation
6/7/2021	Woodridge	Possible draining chlorinated pool water into storm sewer	Woodridge staff inspected site, ensured pool waster was dechlorinated and swept the street
6/8/2021	Addison	Discharge from hosing down over-heating chickens	Storm drains disinfected. No release into waterways
6/10/2021	Downers Grove	Fuel spill into storm drain at car dealership	Staff verified fuel did not enter downstream waterways. Cleanup completed by environmental contractor
6/15/2021	Naperville	Diesel fuel spill on Interstate-88	Stormwater staff inspected downstream to ensure no fuel exited tollway property and no release into waterways
6/16/2021	Schaumburg	Hypochlorite spill in Cook County near county border. Fish kill noted near the spill	Stormwater staff inspected Salt Creek from the county line down to Elmhurst. No adverse impacts observed outside of immediate spill area. Findings reported to IEPA
6/22/2021	Winfield	Diesel spill from vehicle collision	Transportation staff applied oil dry granules and Stormwater staff deployed oil booms in the storm sewer system. Staff verified fuel was contained and did not reach waterways. Incident reported to IEPA.
6/22/2021	Addison	Concrete washout to storm system	Basin cleaned out. No release to public waterway.
6/23/2021	Willowbrook	Leaking underground storage tank	Staff verified no release offsite or into the waterways and there was no release beyond immediate tank area
7/2/2021	Bensenville	Diesel spill due to fire	Staff inspected site to verify no release of fuel into storm sewer system. Environmental contractor hired by responsible party for containment, cleanup, and remediation

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7/3/2021	Woodridge	Report of resident dumping unknown liquid into waterway	Woodridge staff inspected the site and found no evidence. Referred the complaint to Community Development and police department for follow up
7/16/2021	Winfield	Fuel spill from vehicle accident	Stormwater, Transportation, and Forest Preserve staff traced spill and deployed booms. Environmental contractor deployed additional booms.
7/22/2021	Addison	Process waste discharge to storm system	Contents removed with vactor from storm system. No release into waterways.
8/2/2021	Addison	Concrete washout to storm system	Basin cleaned out by Addison staff. No release to public waterway.
8/5/2021	Elmhurst	Leaking underground storage tank	Staff verified no release offsite or into waterways and there was no release beyond the immediate tank area
8/5/2021	Addison	Fuel spill at automotive facility	Staff inspected site and confirmed the spill was contained and no oil released offsite. Environmental contractor conducted cleanup onsite
8/5/2021	Addison	Process waste discharge to storm system	Addison issued cease and desist letter and all contents hauled off-site. No release to public waterway.
8/10/2021	Downers Grove	Hydraulic fuel spill	Transportation applied oil dry granules and power washing company cleaned road. Stormwater staff verified no release into storm sewers or waterways
8/10/2021	Burr Ridge	Fish kill	Samples collected for lab testing and booms placed downstream. Staff inspected all upstream storm sewers and did not detect illicit discharge. Low dissolved oxygen determined to be cause of fish kill
8/16/2021	Elmhurst	Leaking underground storage tank	Staff verified no release offsite or into waterways and there was no release beyond the immediate tank area
8/25/2021	Unincorporated Willowbrook	Fuel spill from collision	Staff inspected downstream pond and observed an oil sheen. Oil booms placed to contain the spill and responsible party coordinated remediation.
9/3/2021	Addison	Car fire discharge into storm system	Contents removed via vactor. Addison staff verified no release to waterway.
9/7/2021	Addison	Diesel spill from punctured saddle tank	Oil booms placed in storm sewer and environmental contractor hired for cleanup. Stormwater staff inspected downstream areas to ensure no release into waterways
9/15/2021	Downers Grove	Hydraulic fluid spill from garbage truck	Staff inspected downstream areas to ensure proper cleanup and no release into storm sewer system
9/15/2021	Addison	Oil spill entered storm system	Contents removed with vactor. Addison staff verified no release into waterways.
9/15/2021	Naperville	Dark discharge entering waterway	Upstream contractor cleaned inlet filter bags at construction site.
9/22/2021	Oakbrook Terrace	Leaking underground storage tank	Staff verified no release offsite or into waterways and there was no release beyond the immediate tank area

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10/6/2021	Carol Stream	Machine oil spill onto parking lot	Spill contained to onsite storm sewers. Catch basins vacuumed and Carol Stream staff confirmed surfaces were cleaned.
10/15/2021	Downers Grove	Complaint of suds and cloudy water in St. Joseph Creek	Issue not located. Area monitored by Downers Grove for continued issues.
10/23/2021	Addison	BOD, TSS, and FOG violations	Contents removed from storm system with vactor. Addison staff verified no release into waterways.
11/4/2021	Willowbrook	Leaking underground storage tank	Staff verified no release offsite or into waterways and there was no release beyond the immediate tank area
11/11/2021	Naperville	Resident reported sudsy water coming from outfall	Naperville staff did not see the suds and could not locate a source.
12/16/2021	Oak Brook	Diesel fuel spill from truck accident	Tollway coordinated cleanup. Stormwater staff inspected downstream areas to verify no release into waterways
1/3/2022	Burr Ridge	Diesel fuel spill from truck accident	Remediation conducted by an environmental cleanup company. Stormwater staff inspected downstream areas to verify no release into waterways
1/6/2022	Darien	Laundry discharge from sump pump into storm sewer	Darien staff worked with homeowner to fix a broken pipe under the basement slab.
1/7/2022	Elmhurst	Leaking underground storage tank	Staff verified no release offsite or into waterways and there was no release beyond the immediate tank area
1/13/2022	Lombard	Fuel spill at gas station	Remediation by environmental contractors. Stormwater staff inspected downstream areas to verify no release into waterways
1/14/2022	Addison	Leaking underground storage tank	Staff verified no release offsite or into waterways and there was no release beyond the immediate tank area
1/24/2022	Lisle	Leaking underground storage tank	Staff verified no release offsite or into waterways and there was no release beyond the immediate tank area
1/27/2022	Bensenville	Diesel fuel spill from locomotive	Remediation conducted by an environmental cleaning company. Stormwater staff inspected downstream areas to verify no release into waterways
2/16/2022	Bartlett	Oil spill from leaking semi-truck	Cleanup coordinated by responsible party. Stormwater staff inspected to verify proper cleanup and no release into waterways

C5. Illicit Source Removal Procedures

Goal:

The number of advertisements or promotions of the IDDE reporting phone line or Citizen Reporter App.

Milestone:

Advertise or promote the IDDE Hotline or Citizen Reporter App 5 times through publications, notices, and events.

Status:

DuPage County staff maintains the “Citizen Reporter App” which provides citizens the opportunity to participate in the water quality program by identifying areas for water quality improvements. By using the app, citizens can report water quality issues such as erosion, stream blockages, algae, dumping, sediment, garbage, and other water quality issues. The Citizen Reporter App can be accessed at:

<https://gis.dupageco.org/CitizenReporter/>

County staff has created 22 brochures and flyers for distribution as discussed earlier in the education and outreach section of this report. Many of these include a link to the Citizen Reporter App. These publications are distributed at each event the County attends as an exhibitor (also discussed in education and outreach section). These documents are available on our website at:

https://www.dupageco.org/EDP/Stormwater_Management/1163/

From March 1, 2021, through February 28, 2022, a total of 28 reports were received through the Citizen Reporter App. Reports included observations on stream erosion, stream blockage reports, illegal dumping, and drainage/flooding concerns. Reports are addressed directly by DCSM staff, forwarded to municipalities, or used for planning purposes as appropriate.

C7. Visual Dry Weather Screening**Goal:**

The number of MS4 outfalls visually screened per watershed per year.

Milestone:

Inspect, during dry weather, all known outfalls within the Des Plaines and Fox River watershed that fall within co-permittee jurisdictional areas. Additionally, all priority outfalls will be inspected.

Status:

The Des Plaines, Fox, and DuPage River watershed outfalls that fall within co-permittee jurisdictional areas was the target for the 2021/22 monitoring season.

516 outfalls were visually inspected for illicit discharges within the co-permittee jurisdictional areas of the Des Plaines, Fox, and DuPage River. All 148 East Branch Priority Outfalls, 103 West Branch Priority Outfalls and 101 Salt Creek Priority Outfalls were monitored. DuPage County staff continued using the ESRI Arc Collector app for outfall inspections. This allows us to track outfall inspections digitally, eliminating the need for paperwork. Outfall inspection and testing information is entered directly into the database, which is also linked to the

outfall map. The storm sewer inventory has also been converted into the Arc Collector app. This allows staff to view the storm sewer atlas on a tablet or smartphone, which increases efficiency in illicit discharge tracing.

Kayaks increased outfall monitoring efficiency along the main stems of Salt Creek, the East Branch DuPage River and West Branch DuPage River. Observing outfalls from the water proved much faster and safer than driving and hiking to the riverbank. In addition, observers were able to record river conditions that are not visible when inspecting outfalls from the shoreline.

C8. Pollutant Field Testing

Goal:

Number of visually suspect dry weather discharges that are chemically tested.

Milestone:

Chemically test all visually suspect dry weather discharges that are observed.

Status:

Among the 868 outfalls monitored in 2021, 1 was releasing a suspect discharge and sampled. Most of the flowing outfalls had no observable indication of illicit discharges, such as color, odor, turbidity, or floatables. The following table shows the water quality data for the outfall that was sampled out of the 868 inspected outfalls. The discharges were traced to their source and identified as non-illicit.

Inspection Date	Discharge	Color	Odor	Turbidity	Floatables	pH (SU)	Temperature C	Specific Conductivity (us/cm)	Surfactants (mg/L)	Fluoride (mg/L)
9/10/2021	Trickle	Clear	None	None	Suds	7	20.1	1283.0	0.25	0.0

C9. Public Notification**Goal:**

In the event of a large-scale release of pollutants to Waters of the State that has potential for human health impacts, DCSM will work with Emergency Management officials to notify affected community officials as well as issue a press release.

Milestone:

Notify affected parties in the event of a large-scale release of pollutants into Waters of the State that has potential health impacts.

Status:

No large-scale release of pollutants into Waters of the State occurred from the permit area during the monitoring year.

In June 2021, a hypochlorite spill from MWRD's Egan Wastewater Treatment Plant in Schaumburg, which is just upstream from the county line, was reported to DCSM. MWRD staff conducted containment and cleanup efforts onsite. However, a small fish kill was noted near the plant. DCSM staff inspected the Salt Creek from the county line down to Elmhurst. Downstream communities were notified and asked to report any fish kills or stream observations related to the release. No adverse impacts from the release were observed outside of the immediate spill area.

D. Construction Site Runoff Control

D1. Regulatory Control Program

Goal:

Update the Ordinance as needed to ensure that sediment and erosion control provisions are up to date and reflect the current best practices

Milestone:

Review and update, if necessary, the Ordinance to reflect current best practices for soil erosion and sediment control

Status:

Article VII of the DuPage County Stormwater and Flood Plain Ordinance outlines sediment and erosion control requirements. No revisions were made to Article VII during the reporting year. Co-permittees within DuPage County follow the Countywide Ordinance. Those MS4s whose boundaries fall outside the DuPage County limits may follow County or municipal Ordinances, all of which must be as stringent as the ILR40 soil erosion and sediment control regulations at a minimum.

D2. Erosion and Sediment Control BMPs

Goal:

The DuPage County Countywide Stormwater and Flood Plain Ordinance requires temporary and permanent soil erosion and sediment control for developments over one acre to prevent the discharge of pollutants into waterways. Number of development sites over one acre requiring soil erosion and sediment control.

Milestone:

Require sediment and erosion control on 100% of development sites over one acre.

Status:

DuPage County co-permittees have enacted the construction site erosion control and post-construction best management practice regulations of the DuPage County Countywide Stormwater and Flood Plain Ordinance or regulations at least as stringent as those in the DuPage County Ordinance. Municipalities elect to have DuPage County review development permits on their behalf (non-waiver community) or waive the County review and perform these reviews in house by qualified staff (complete waiver community) or defer to the County for certain development reviews such as those involving floodplain or wetlands (partial waiver community). The waiver status of each co-permittee is listed below. DuPage County reviews all site development permits in Unincorporated DuPage County which includes the Townships. Communities whose jurisdictions extend

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beyond the DuPage County limits may opt-in entirely to the DuPage County Stormwater Ordinance, opt-out into the neighboring county's regulations, or enforce both county's regulations.

During the reporting year, each co-permittee that issued development permits required soil erosion and sediment control for sites over one acre (and in many cases all size developments) to minimize the discharge of pollutants into waterways. Records are kept within each regulatory agency office.

MUNICIPALITY	ILR40 Permit #	Co-Permittee Bureau ID	DuPage County Stormwater Ordinance Waiver Status
DUPAGE COUNTY	0502		Non- waiver
ADDISON	0227	W0430050072	Complete
ADDISON TWNSP	0001	W04308000007	n/a
BARTLETT	0286	W0434120001	Partial
BENSENVILLE	0292	W0434140002	Partial
BLOOMINGDALE	0295	W0430100001	Complete
BLOOMINGDALE TWNSP	0013	W0430100006	n/a
BURR RIDGE	0304	W0434190001	Partial
CAROL STREAM	0308	W0430200001	Complete
CLARENDON HILLS	0175	W0430250001	Partial
DARIEN	0180	W0430270008	Partial
DOWNERS GROVE	0183	W0430300003	Complete
DOWNERS GROVE TWNSP	0040	W0430300034	n/a
ELMHURST	0187	W0430350017	Partial
GLEN ELLYN	0199	W0430450013	Complete
GLENDALE HEIGHTS	0342	W0430400001	Partial
HANOVER PARK	0347	W0314480002	Partial
HINSDALE	0355	W0434520004	Partial
ITASCA	0360	W0430500013	Partial
LEMONT	0497	W0314620023	Non- waiver
LISLE	0376	W0430550005	Partial
LISLE TWNSP	0079	W0430550017	n/a
LOMBARD	0378	W0430600009	Partial
MILTON TWNSP	0086	W0438040016	Partial
NAPERVILLE	0396	W0434670044	Partial
NAPERVILLE TWNSP	0092	W0434670028	n/a
OAK BROOK	0407	W0434700009	Complete
OAKBROOK TERRACE	0232	W0430750005	Partial
ROSELLE	0437	W0434820003	Partial
VILLA PARK	0463	W0438080026	Complete

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WARRENVILLE	0274	W0430830006	Complete
WAYNE	0500	W0438060012	Partial
WAYNE TWNSP	0149	W0438060013	n/a
WEST CHICAGO	0466	W0430900052	Partial
WESTMONT	0254	W0430950001	Partial
WHEATON	0470	W0431050004	Partial
WILLOWBROOK	0255	W0431100002	Complete
WINFIELD	0474	W0431150027	Partial
WINFIELD TWNSP	0155	W0431150008	n/a
WOOD DALE	0478	W0431200002	Complete
WOODRIDGE	0480	W0431250002	Complete
YORK TWNSP	0159	W0438080007	n/a

D4. Site Plan Review Procedures**Goal:**

The DuPage County Countywide Stormwater and Flood Plain Ordinance requires a Stormwater Permit for developments over a certain threshold of site disturbance as well as developments in wetlands, buffers, and floodplain. All development permits are reviewed for soil erosion and sediment control. The County and Municipal permit partners have successful regulatory permitting programs under the DuPage County Countywide Stormwater and Flood Plain Ordinance and will continue to implement and update these programs as necessary.

Milestone:

Review soil erosion and sediment control plans for 100% of development permits over one acre.

Status:

All co-permittee MS4s with development permit review authority reviewed soil erosion and sediment control plans for 100% of development permits over once acre (and in many cases all size developments). Records are kept within each regulatory agency office.

D5. Public Information Handling Procedures**Goal:**

DuPage County Citizen Reporter App allows residents throughout the partnership area to report water quality issues, including soil erosion and sediment control complaints. The County addresses complaints within unincorporated and non-waiver areas. Complaints generated from Full Waiver or Partial Waiver Communities are forwarded to the Municipality. The County and Municipalities also receive and respond to soil erosion and sediment control concerns sent directly from the public through phone and email reports. Number of soil erosion and sediment control reports addressed per year.

Milestone:

Investigate and track all soil erosion and sediment control reports to the County and Municipalities each year.

Status:

Reports regarding soil erosion and sediment control from developments are submitted to the County as well as municipalities. Co-permittees communicate with one another to share reports and locate possible sources from development sites. All soil erosion and sediment control complaints were investigated by the County or the municipality during the reporting year. Records are kept within each regulatory agency office.

D6. Site Inspection/ Enforcement Procedures**Goal:**

Inspect all development sites to ensure the soil erosion and sediment control requirements are being met. County and Municipal inspectors enforce soil erosion and sediment control regulations and conduct regular inspections to ensure compliance. Inspection reports are kept within each regulator agency for tracking and reporting purposes.

Milestone:

Continue with site inspections and code enforcement procedures. Ensure staff has proper qualifications to conduct soil erosion and sediment control inspections.

Status:

Under the DuPage County Countywide Stormwater and Flood Plain Ordinance, co-permittee villages and cities may elect to review and inspect development sites for soil erosion and sediment control, or they may elect to defer oversight to DuPage County. Each co-permittee that issued development permits inspected for soil erosion and sediment control measures at sites over one acre (and in many cases all size developments) to minimize the discharge of pollutants into waterways. Records are kept within each regulatory agency office.

E. Post- Construction Runoff Control

E2. Regulatory Control Program

Goal:

The post construction runoff rate is restricted through the Countywide Ordinance which requires all developments increasing impervious area by 2,500 square feet or more to include Post Construction Best Management Practices. Continue to require post construction best management practices in accordance with the Countywide Ordinance. Implementing and utilizing the DuPage County BMP Manual will reduce post construction runoff pollutants and will ensure discharge from developed sites will be treated.

Milestone:

Work through the Municipal Engineers Group to update Technical Guidance regarding Post Construction BMPs. Review and revise the Ordinance and/ or BMP Manual as needed to reflect new information and standard practices.

Status:

The DuPage County Countywide Stormwater and Floodplain Ordinance (DCCSFO) is continually reviewed to determine if updates are needed. As the DCCSFO is a countywide ordinance, the regulations apply to the entire county and all municipalities must be at least as stringent as the DCCSFO. Following review and discussions, staff determined the BMP section of the DCCSFO will require an update. This revision is being discussed and evaluated with cooperation from co-permittee agencies.

A subgroup to the DuPage County Municipal Engineers group was created to provide technical assistance and guidance materials. This subgroup generated sample specifications for a dry well, permeable paver system, and rain garden which has been made available online. The samples are used as a template for the design of these practices on residential properties. The group continues developing inspection checklists for long term maintenance and monitoring.

E3. Long Term O&M Procedures

Goal:

The Countywide Ordinance requires site runoff storage facilities to be put into an easement. All Post Construction BMPs with a tributary area greater than one (1) acre require a three-year maintenance and monitoring period. Require and accept easements over site runoff storage facilities and maintenance and monitoring periods for BMPs with a tributary area of one acre or more.

Milestone:

Continue to enforce easements and maintenance/ monitoring periods as required in the Countywide Stormwater Ordinance.

Status:

Under the DuPage County Countywide Stormwater and Flood Plain Ordinance, co-permittee villages and cities may elect to review and inspect development sites or they may elect to defer oversight to DuPage County. Each co-permittee that issued development permits required easements over site runoff storage facilities and required three-year maintenance and monitoring periods for BMPs on sites with a tributary area of over one acre (and in many cases all size developments) to minimize the discharge of pollutants into waterways. Records are kept within each regulatory agency office.

E4. Pre-Construction Review of BMP Designs**Goal:**

The DuPage County Countywide Stormwater and Flood Plain Ordinance requires developments to provide post construction BMPs when impervious cover thresholds exceed 2500 square feet. The DuPage County BMP Manual provides guidance on the design and implementation of development practices that prevent stormwater quality degradation and enhance the overall quality of stormwater. The BMP Manual promotes and gives guidance on the installation of vegetated filter strips, vegetated swales, infiltration systems, permeable pavers, manufactured structures, and stormwater detention BMPs such as dry detention basins, wet detention basins, constructed wetland detention basins, and underground detention basins.

Milestone:

Review site development plans for compliance with the BMP sections of the Ordinance and document number of reviews

Status:

Under the DuPage County Countywide Stormwater and Flood Plain Ordinance, co-permittee villages and cities may elect to review and inspect development sites or they may elect to defer oversight to DuPage County. Current waiver status is shown in the table in Section D.2. Each co-permittee that issued development permits required post construction BMPs on sites when impervious cover thresholds exceeded 2500 square feet (or less in some communities). Permit records are kept within each reviewing agency.

E5. Site Inspections During Construction**Goal:**

DuPage County Stormwater provides annual training opportunities for all co-permittee staff and contractors to ensure that all employees and contractors who manage or are directly involved in routine maintenance, repair, or replacement of public surfaces in current green infrastructure or low impact design techniques applicable to such projects to ensure that they are able to identify proper BMP installation during construction. Each co-permittee shall keep internal records of staff and contractor training.

Milestone:

Appropriate staff and contractors of each co-permittee shall attend training on green infrastructure and low impact design.

Status:

Green Infrastructure training was conducted through the Beyond the Basics Seminar in 2021. Beyond the Basics was held virtually on February 24, 2022, with over 200 people in attendance.

As Beyond the Basics was not recorded, additional Green Infrastructure training was offered for those who were unable to attend. The following previously recorded Green Infrastructure trainings are available on the Love Blue Live Green YouTube page and were shared with co-permittees:

- Green Infrastructure Maintenance: It Can be Successful!" Webinar
<https://www.youtube.com/watch?v=-WhoUrjZJxg>
- 2021 Green Infrastructure for MS4 Communities Webinar
<https://www.youtube.com/watch?v=MtBHnvDw3q4>
- 2021 Green Infrastructure for MS4 Communities #2
<https://www.youtube.com/watch?v=3JM2GXIXFsg>

Certificates of attendance and registration lists are kept as internal records.

E6. Post-Construction Inspections**Goal:**

Conduct post construction inspections at sites containing BMPs with a native vegetation component for the duration of the establishment period or until performance standards are met. The number of post construction inspections performed per year on sites containing native vegetation BMPs during the establishment period.

Milestone:

Inspect 100% of sites containing native vegetation BMPs during the establishment period.

Status:

Under the DuPage County Countywide Stormwater and Flood Plain Ordinance, co-permittee villages and cities may elect to review and inspect development sites for post construction BMPs, or they may elect to defer oversight to DuPage County. Co-permittees can delegate this role to DuPage County, complete it with in house staff, or hire a consultant to complete the work. Records are kept within each regulatory agency office.

F. Pollution Prevention/ Good Housekeeping

F1. Employee Training Program

Goal:

Staff members attending training on green infrastructure and practices that will minimize the discharge of pollutants from municipal operations into the storm sewer system.

Milestone:

Appropriate staff of each co-permittee shall attend training on pollution prevention in municipal operations. Ensure new staff is trained in best practices and good housekeeping

Status:

Pollution Prevention training was moved to a virtual format during the reporting year due to Covid-19 social distancing guidelines. The following Pollution Prevention training sessions were held:

Training	Date	Location	# of Attendees
Pollution Prevention Seminar for MS4 Communities	4/22/2021	Countywide	187/Professional
Pollution Prevention Seminar for MS4 Communities	4/29/2021	Countywide	194/Professional

Certificates of attendance and registration lists are kept as internal records.

Pollution Prevention webinars were recorded and saved on the DuPage County Stormwater Love Blue Live Green YouTube page <https://www.youtube.com/user/lovebluelivegreen/videos>.

Staff may watch recordings of the webinars if they are not able to attend live. Direct links to each recording:

<https://www.youtube.com/watch?v=F2QY2hJtTT8>

<https://www.youtube.com/watch?v=gifPStsOVpQ>

Records are kept internally for those who attended the recorded webinars.

During the reporting period, five (5) chloride reduction workshops, a calibration workshop, and three (3) technical webinar briefs were held. Due to precautions necessitated by the Coronavirus pandemic, 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) 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 DuPage, Will, Kane, Kendall, Lake, McHenry, Cook, Boone, Lee, and Winnebago counties. 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 30, October 5, and October 12, 2021. Fortin Consulting, Inc. from Minnesota was engaged to present the material. A registration fee was required per agency in order to view the webinar. The links were sharable so the webinars could be viewed individually or in groups. 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 webinar. The survey results indicated that a minimum of 743 persons (from all above listed watershed areas) attended the three Public Roads webinars. 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 Lots and Sidewalks Deicing Workshop webinars were held on September 28 and October 7, 2021 with Fortin Consulting, Inc. presenting. The survey results indicated that there was a minimum of 196 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.

In order to provide more targeted training, four additional workshops were held. DuPage County DOT hosted an in-person Calibration Workshop on Nov. 19, 2021. The demonstration was on a Force Am truck outfitted with a spreader system with digital controls and an open loop system. Calibration was shown for dry rock salt, wetted salt and liquids. Fourteen persons from eight agencies attended. The three other technical workshops which were presented virtually focused on more detailed information than presented in the general deicing workshops. The topics were More about Brine Making (13 agencies attended), Snow and Ice Removal Plans and Communication (14 agencies attended) and Using Organics (11 agencies attended). The recordings of the virtual technical workshops are posted on www.saltsmart.org.

F2. Inspection and Maintenance Program

Goal:

DCSM provides guidance materials on good housekeeping for municipal operations. Each co-permittee has developed specific inspection and maintenance procedures for equipment and facilities. Each co-permittee is responsible for ensuring that equipment and facilities are inspected and maintained during day-to-day operations to minimize discharge of pollutants into Waters of the State.

Milestone:

Continue good housekeeping program of inspection and maintenance of equipment and facilities related to the prevention of pollution in stormwater.

Status:

Co-permittees oversaw their day-to-day activities in accordance with best practices to minimize pollutants into waterways. Records are kept internally within each office and are available upon request. DCSM created a Quarterly Facility Inspection Checklist and distributed to all co-permittees for use in these inspections.

F3. Municipal Operations, Stormwater Control**Goal:**

Co-permittees have each developed their own schedules for street sweeping as well as storm sewer inspection, clean-out, and maintenance. A standard minimum schedule will be developed for partner agencies.

Milestone:

Survey MS4 street sweeping, storm sewer inspection, clean-out, and maintenance schedules.

Status:

A street sweeping and leaf litter practices survey was conducted by the DRSCW in April 2021. The survey received 55 responses from municipalities, township and agencies.

Additionally, a storm sewer maintenance survey was conducted by DuPage County Stormwater Management in January and February 2022 and received 34 responses from municipalities and townships.

DuPage County Stormwater maintains educational videos for MS4 staff on Street Sweeping and Catch Basin Maintenance.

<https://www.youtube.com/watch?v=Vv3Hvb1sNhM>

<https://www.youtube.com/watch?v=TNJULlrP8b4>

F4. Municipal Operations Waste Disposal**Goal:**

Following storm sewer maintenance and cleanout activities, waste must be properly disposed of. DuPage County Public Works offers a Regional Vector Receiving Station. The station is part of a shared services initiative. It reduces the cost of disposal of public works waste and aims to keep pollutants out of area water supplies. The station processes the debris collected by public works and transportation vacuum tanker trucks. The waste is then separated into liquids and solids. The liquids are treated through the county's waste water treatment facility, while the solids are dried and eventually transferred to the garbage dump.

Milestone:

Co-permittees shall properly dispose of waste generated from storm sewer maintenance and cleanout. Continue to offer disposal facilities such as the Regional Vector Receiving Station.

Status:

During the reporting year, co-permittees continued current practices to properly dispose of waste generated from storm sewer maintenance and cleanout. DuPage County continued to offer disposal facilities such as the Regional Vector Receiving Station.

F5. Flood Management/ Assess Guidelines**Goal:**

The number of completed watershed plans, or components thereof, approved by the Stormwater Management Planning Committee and County Board per year.

Milestone:

Complete or implement one watershed plan

Status:

During the reporting year, the following watershed plans were completed and/or approved by the Stormwater Management Planning Committee and County Board:

Watershed Plan	Status	Date
Winfield Creek Watershed-Based Plan	Approved by DuPage County Stormwater Management Planning Committee and County Board	April 13, 2021
Phase II Addendum to the Winfield Creek Watershed Study and Flood Control Plan	Approved by DuPage County Stormwater Management Planning Committee and County Board	April 13, 2021

During the reporting year, the following water quality projects were completed. These projects contributed to the implementation of previously completed Watershed-Based Plans.

Project Name	Project Owner	Watershed- Based Plan	Project Type
Lake Charles Shoreline Stabilization	Private	Salt Creek Watershed-Based Plan	Shoreline Stabilization

F6. Other Municipal Operations Controls**Goal:**

Evaluate and encourage pre-wetting and anti-icing measures to reduce chloride runoff into waterways from roads and public surfaces. Deployment and use of pre-wetting and anti-icing measures.

Milestone:

Survey co-permittees on pre-wetting and anti-icing practices.

Status:

The DRSCW has attempted to track adoption of sensible salting BMPs in the program area since 2007. Monitoring ambient chloride concentrations has proven an imperfect metric for tracking efficiency trends in winter salt use. Tracking target BMP adoption in the program area provides opportunities to evaluate the impacts of the chloride management workshops, identify material for future workshops, and form suppositions about salt use per unit of service expended inside the program area relative to 2006 levels.

In 2007, 2010, 2012, 2014, 2016, and 2018 the DRSCW distributed a questionnaire to approximately 80 municipal highway operations and public works agencies to obtain information about deicing practices throughout the program area. Findings of the 2018 questionnaire were include in the 2018 Annual Report. A new questionnaire was due to be distributed in 2021 but was withheld as agencies were already involved in completing the leaf litter questionnaire. The chloride questionnaire is being prepared for release in 2022 and the results will be supplied in the 2022-2023 MS4 Activities Report.

SECTION C

Monitoring Data

DuPage County in partnership with the cooperating municipal and township permit holders listed in the cover letter have collected a substantial amount of information, including monitoring data, during the reporting period as members of the DuPage River Salt Creek Workgroup. Some co-permittees are also members of the Lower Des Plaines Watershed Group and/ or the Lower DuPage River Watershed Coalition.

Watershed Workgroup quality monitoring program is made up of two components: 1) Bioassessment and 2) DO monitoring. Monitoring data is included as an attachment to this report.

SECTION D

Proposed activities during the next reporting cycle:

During the next reporting cycle, the activities listed in the 2021 NOI will be implemented.

SECTION E

Reliance on other government entities:

The co-permittees listed in the cover letter rely on established DuPage County programs to satisfy some of the General NPDES Permit No. ILR40 obligations for the six minimum control measures: Public Education and Outreach, Public Participation/ Involvement, Illicit Discharge Detection and Elimination, Construction Site Runoff Control, Post-Construction Runoff Control, and Pollution Prevention/ Good Housekeeping. Responsibilities of each entity are outlined in our Notice of Intent.

SECTION F

List of construction projects:

Owner	Construction Project
DuPage County	
Transportation	Kearney Road Pipe Replacement
	75 th St. (Lyman Ave to Exner/Williams St.)
	31 st St. (Meyers Rd to York Rd)
Stormwater	Elmhurst Quarry Gate Addition
	Village Road Detention Basin
	Westview Ave Drainage Project
	Derby Court Drainage Project
	Schick Road Drainage Project
Addison	North Treatment Plant Digester Complex Upgrades
	Addison Road Water Main Project
	Linda Lane Water Main Project
	Motor Fuel Tax- Street Resurfacing Project
	Village Hall Campus Parking Lot Project
Addison Township	Pollinator Meadows Conservation Initiative
Bartlett	Bittersweet Wastewater Reclamation Facility Rehabilitation Project
Bensenville	MFT Street Program
	York Road Lift Station (LS10) Rehabilitation
	Annual Residential Streetlights
	EMA and Fire Station Parking Lot
	MFT Sidewalk R&R
	MFT – HMA Pavement Patching
	Sewer Lining
	Sidewalk Cutting
Burr Ridge	2021 Road Program Resurfacing Contract
	Chasemoor Sanitary Sewage Lift Station Rehabilitation
Carol Stream	Schmale/Geneva/St. Charles Water Main
	Sanitary Sewer Extension – 250 N Gary Ave
	2021 Roadway Drainage Improvements
	2021 Flexible Pavement Project
Darien	74 th and Elm Native Planting
Downers Grove	Bioswale Program
	Native Landscape Natural Areas Maintenance
	Valley View Pond Outfall Replacement
	Brookbank Pump Replacement
	Highland Ave Storm Sewer Replacement
	Burlington Highlands Drainage Improvements/Basin

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	Springside Culvert Replacement (Prentiss Creek)
	Jefferson Brookbank Sidewalk
	Sidewalk Maintenance
	DBD Sidewalk Crosswalk & Accessibility
	ROW Accessibility Program
	District 58 Sidewalk Improvements
	District 99 Pedestrian Safety Improvements
	Forest North Parking Lot Reconstruction/Rain Gardens
	Highland Ct Road Reconstruction
	Roadway Resurfacing Program
	Annual Pavement Restriping
	Annual Roadway Patching
	Annual Preventative Seal
	Annual Crack Sealing
	Annual Bridge Inspections
	Annual Water Main Replacement
Elmhurst	2021 Watermain Improvements Project
	2021 Contract Paving Program
	College View Stormwater Improvement Project
Glen Ellyn	Village Green Storm Sewer Project
	Utility and Roadway Improvements Project #20001 Phase 1
	Civic Center Parking Garage
	Pennsylvania Avenue Improvements
	2021 Street Improvements Project
	2021 Parking Lot Resurfacing and Asphalt Roadway Patching Program
	2021 Sidewalk and Concrete Street Repair Program
Hanover Park	2021 Resurfacing
	2021 Resurfacing & Watermain
	2021 Drainage Improvements
	2021 Arterial Fence Maintenance
	Astor Ave Parking Lot Resurfacing
	2021 Crack Routing & Sealing
	2021 Sidewalk, Curb & Gutter Replacement Program
	2021 Sanitary Sewer Relining
Hinsdale	2021 Eighth Street Reconstruction
Itasca	Roadway and Infrastructure Improvements- Elm St, Walnut St, North St, Division St, Center St, & Orchard St
Lisle	Wellington Ave Compensatory Storage Basin – Phase II Engineering
	Abbeywood Area Stormwater Pond – Water Quality Study
	Rolling Avenue – Lisle Junior High (Berm)- Phase II Engineering
	Rolling Avenue- Lisle Junior High- Construction
	Gamble Rear Yard Drainage Phase II Engineering
	Kingston and Maple Avenue- Phase I Engineering

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	Village Center and Main Street- Phase I & II Engineering
	Gamble Rear Yard Drainage- Construction
Lisle Township	Cross-culvert installation Greene Road
Lombard	Edward and Wilson Path Connection
Milton Township	Road surfacing projects in Valley View subdivision, Pine Drive, and Trails End Street
	Burr Oak Drive and Shagbark Lane Drainage Project
Naperville	2021 City Resurfacing Program
	Naperville Heights Watermain Replacement
	North Aurora Road Underpass at the CN Railroad
	Julian Street Drainage Improvement
	East Highland Area Improvement
	2021 Watermain Lining Project
	SWW Improvements- Phase II
	Improvements to City Well #28
	Improvements to City Well #31
	2021 Water Meter Replacement Program
	Automatic Meter Reading (AMI) Project
	T03-NOC South Interceptor Rehabilitation
	2021 Small Diameter CIPP Sanitary Sewer Main Lining
	2921 Sanitary Service Lateral Lining & Vac-A-Tree Installation
Oak Brook	York & Harger Roads Intersection and Bike Path Improvements
	Open Space Lands Acquisition and Development Sports Core Project
	Midwest Rd & 35 th Street Bike Path Improvements
	Windsor Drive Widening and Beautification
	Harger Road Multi-Use Pathway Project
	Brook Forest Water Main Improvements
Oakbrook Terrace	Streambank Stabilization- Oak Brook Trib to Salt Creek
Roselle	2021 Storm Sewer Improvement Program
	Springbrook Creek Retaining Wall Rehabilitation
Villa Park	Third Avenue Sewer Separation Project
	Maple Area Separation Project
Warrenville	2021 Road Program
West Chicago	Prince Crossing Road Local Agency Functional Overlay (LAFO) Project
	Hillside Addition and Roosevelt Highlands Subdivision Rehabilitation Project
	Commerce Drive Reconstruction Project
	200 Main Street Renovation Project
	Washington Street Reconstruction Project (completed)
	2021 Sidewalk and Curb Maintenance Program
Westmont	63rd and Richmond Basin Improvements
	Alley D Permeable Paver Reconstruction
	Addington Plaza
	2021 MFT Resurfacing Program
Wheaton	2021 Annual Road Program

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[illegible]

Construction sites regulated by ILR40 permit requirements will have construction project NOI's posted on the entities' website.

Attachments

**DRSCW ILR40 Activities
March 2021– March 2022**

PART I. COVERAGE UNDER GENRAL 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, 2022 included:

- The DRSCW website was updated and maintained during the reporting period and periodically updated with presentations and material (www.drscw.org).
- A searchable database with information on local aquatic biodiversity (IBIs), habitat (QHEI), and sediment and water column chemistry was 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 biolocal 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, 2021 to March 31, 2022 are listed below. Selected presentations are made available on the DRSCW website and upon request. The December 8, 2021 presentation has been approved by the IEPA as CEUs for the Wastewater Operator and Drinking Water Operator Certifications.

April 28, 2021—Enhanced Street Sweeping to Reduce Phosphorus Export in Stormwater. Presenter: Lawrence A. Baker, Ph.D., Research Professor, Department of Bioproducts and Biosystems Engineering, University of Minnesota.

June 30, 2021 – Fate of Pharmaceuticals in Waste-Water Effluent Dominated Streams. Presenter: Gregory LeFevre – Assistant Professor of environmental engineering at University of Iowa.

August 25, 2021 – Results of the 2019 Biological and Water Quality study of the East Branch DuPage River Watershed. Presenter: Chris Yoder, Research Director, Midwest Biodiversity Institute.

October 27, 2021 – Chloride Trends Analysis. Presenter: Dan Bounds & Eileen Kennedy, Baxter & Woodman

December 8, 2021 – Update on Contaminants of Emerging Concerns. Presenter: Sarah Zack, Pollution Prevention Extension Specialist, Indiana-Illinois Sea Grant

Other Water Quality Presentations or Workshops by the DRSCW

March 2, 2021 -- Presentation to DuPage County Stormwater Committee on DRSCW activities. Presenter: Stephen McCracken, The Conservation Foundation.

March 9, 2021 -- Presentation to DuPage County Finance Committee on DRSCW - County Agreement. Presenter: Dave Gorman, President DRSCW

March 9, 2021 -- NARPs, State Urban Stormwater Working Group. Presenter: Stephen McCracken and Deanna Doohaluk, The Conservation Foundation.

May 10, 2021 – NARPs and the Development of Watershed Specific TP Target Levels, Lower Des Plaines Watershed Group. Presenter: Stephen McCracken and Deanna Doohaluk, The Conservation Foundation.

May 28, 2021 – An Overview of The DuPage River Salt Creek Workgroup, IAWA monthly Nutrient Subcommittee NARP meeting. Presenter: Amy Underwood, Executive Board Member, DRSCW.

June 5, 2021 – Restoration of Freshwater Ecosystems, World Environment Day Celebration, Rotary International/Bharathi Theertha/India Youth for Society. Presenter: Deanna Doohaluk, The Conservation Foundation.

July 14, 2021 – DRSCW and the Lower East Branch Stream Restoration Project, Illinois Small Mouth Association. Presenter: Stephen McCracken and Deanna Doohaluk, The Conservation Foundation.

December 1, 2021 – Wrestling with Chlorides in NE Illinois, Wisconsin DNR Chloride Working Group. Presenter: Stephen McCracken, The Conservation Foundation.

February 15, 2022 – Sensible Salting, Metropolitan Mayors Caucus Environment Committee Meeting (virtual). Presenters: Stephen McCracken, The Conservation Foundation and J. Pauling, Village of Carol Stream.

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

Chloride Questionnaires

The DRSCW has attempted to track adoption of sensible salting BMPs in the program area since 2007. Monitoring ambient chloride concentrations has proven an imperfect metric for tracking efficiency trends in winter salt use. Tracking target BMP adoption in the program area provides opportunities to evaluate the impacts of the chloride management workshops, identify material for future workshops, and form suppositions about salt use per unit of service expended inside the program area relative to 2006 levels.

In 2007, 2010, 2012, 2014, 2016, and 2018 the DRSCW distributed a questionnaire to approximately 80 municipal highway operations and public works agencies to obtain information about deicing practices throughout the program area. Findings of the 2018 questionnaire were included in the 2018 Annual Report. A new questionnaire was due to be distributed in 2021 but was withheld as agencies were already involved in completing the leaf litter questionnaire. The chloride questionnaire is being prepared for release at the end of April 2022 and the results will be supplied in the 2022 MS4 Activities Report.

Chloride Reduction Workshops

During the reporting period March 1, 2021 to March 31, 2022, five (5) chloride reduction workshops, a calibration workshop, and three (3) technical webinar briefs were held. Due to precautions necessitated by the Coronavirus pandemic, 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) 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 DuPage, Will, Kane, Kendall, Lake, McHenry, Cook, Boone, Lee, and Winnebago counties. 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 30, October 5, and October 12, 2021. Fortin Consulting, Inc. from Minnesota was engaged to present the material. A registration fee was required per agency in order to view the webinar. The links were sharable so the webinars could be viewed individually or in groups. 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 webinar. The survey results indicated that a minimum of 743 persons attended the three Public Roads webinars. 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 Lots and Sidewalks Deicing Workshop webinars were held on September 28 and October 7, 2021 with Fortin Consulting, Inc. presenting. The survey results indicated that there was a minimum of 196 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*.

In order to provide more targeted training, four additional workshops were held. DuPage County DOT hosted an in-person Calibration Workshop on Nov. 19, 2021. The demonstration was on a Force Am truck outfitted with a spreader system with digital controls and an open loop system. Calibration was shown for dry rock salt, wetted salt and liquids. Fourteen persons from eight agencies attended. The three other technical workshops which were presented virtually focused on more detailed information than presented in the general deicing workshops. The topics were More about Brine Making (13 agencies attended), Snow and Ice Removal Plans and Communication (14 agencies attended), and Using Organics (11 agencies attended). The recordings of the virtual technical workshops are posted on www.saltsmart.org.

Ambient Impact Monitoring

DRSCW's Chloride Education and Reduction Program is performing an analysis to demonstrate any observable reduction in chloride loading within the water quality data collected since the beginning of program efforts. For over a decade, the program has been implementing a number of chloride reduction efforts, including:

- Annual Educational workshops (for public roads and parking lots/sidewalks)
- Equipment calibration training
- Product and chemical alternative summaries
- Equipment and salt application advancements
- Salt usage, storage and deicing best management practices
- Example salt use policies and management plans

The goal of the analysis is to observe the impact, if any, of the chloride education program on chloride loadings generated from DRSCW water quality data collected from 2009 to present. While the winter concentration data graphed in section 2.2 suggests a long-term downward trend in winter concentrations, this analysis is an attempt to produce a more comprehensive appraisal of long term trends in chlorides in area waterways.

The analysis is challenging. There are number of factors that dictate the magnitude of chloride impact on water quality data. Principally variability in winter weather accounted for variation in temperatures (air and pavement), types of precipitation (rain, snow and ice), the number of storms, types of storms and inconsistencies in the definition of municipal salt application events across the DRSCW's watershed areas. The analysis 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 and max and minimum air temperature data) from Weather Command / Murray and Trettel, Inc. The analysis steps for each site where winter monitoring is conducted (see Section 2.3) include:

- Calculation of estimated chloride concentration from winter conductivity data
- Calculation of a warm weather regression value from summer concentration data and summer conductivity measures
- Calculation of estimated chloride summer concentrations
- Creation of loading data (in pound 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 under snow events with the same accumulation
- Graphing of loading and concentration data for each site

This analysis has been completed and phase one results have been produced. Preparation of the final report is on-going and is expected to be completed by mid-2022.

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 and LDRWC watersheds, the main source of chlorides in the rivers is from winter deicing applications. In an effort to understand and reduce chloride levels in the watershed, year-round conductivity monitoring is carried out.

Ambient monitoring of conductivity is carried out at six (6) locations in the DRSCW program area (5 sites monitored by the DRSCW and 1 site monitored by MWRD). A map of continuous chloride monitoring stations is included in Map 1. DRSCW chloride sites are positioned upstream and downstream in their watersheds to capture concentration data within the watershed. Long term data collection allows the DRSCW to monitor changes in chloride concentrations over time. As the main driver of chloride in these watersheds is from deicing applications in the winter, the DRSCW are able to monitor the efficacy of outreach campaigns and projects aimed at reducing chloride in the waterways. Year round monitoring shows how chloride levels change throughout the year. Chloride concentrations spike in the winter months, and gradually decrease throughout the spring, summer and fall. The greatest challenge in chloride reduction is maintaining road safety.

The upstream Salt Creek chloride site (Busse Woods) is at the upstream most point of the Lower Salt Creek watershed. The site isn't placed further upstream as there are no treatment plants in the Upper Salt Creek watershed and the original purpose of the site was to monitor for wastewater effluent impacts. In 2021, MWRD did not conduct ambient winter conductivity monitoring at the Salt Creek at Busse Woods Main Dam (Upstream Salt Creek Site). As of winter, 2022 DRSCW has taken over management of the site at Salt Creek Busse Woods Main Dam.

For the sites located within the DRSCW watersheds, conductivity concentrations are used to calculate chloride concentrations based on a linear relationship established by the DRSCW in 2007 and 2019. Calculated Annual chloride concentrations for the winter months from 2007-2021 for six (6) sites are depicted in Figures 1-6. Years are broken up by continuous winter season, e.g. the point labeled as "2021" is comprised of data from Fall 2020 to Spring 2021. 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.

Figure 1. Calculated Chloride Concentrations - Winter Months (2007-2020) for Salt Creek at Busse Woods Main Dam. Data was not collected in 2021.

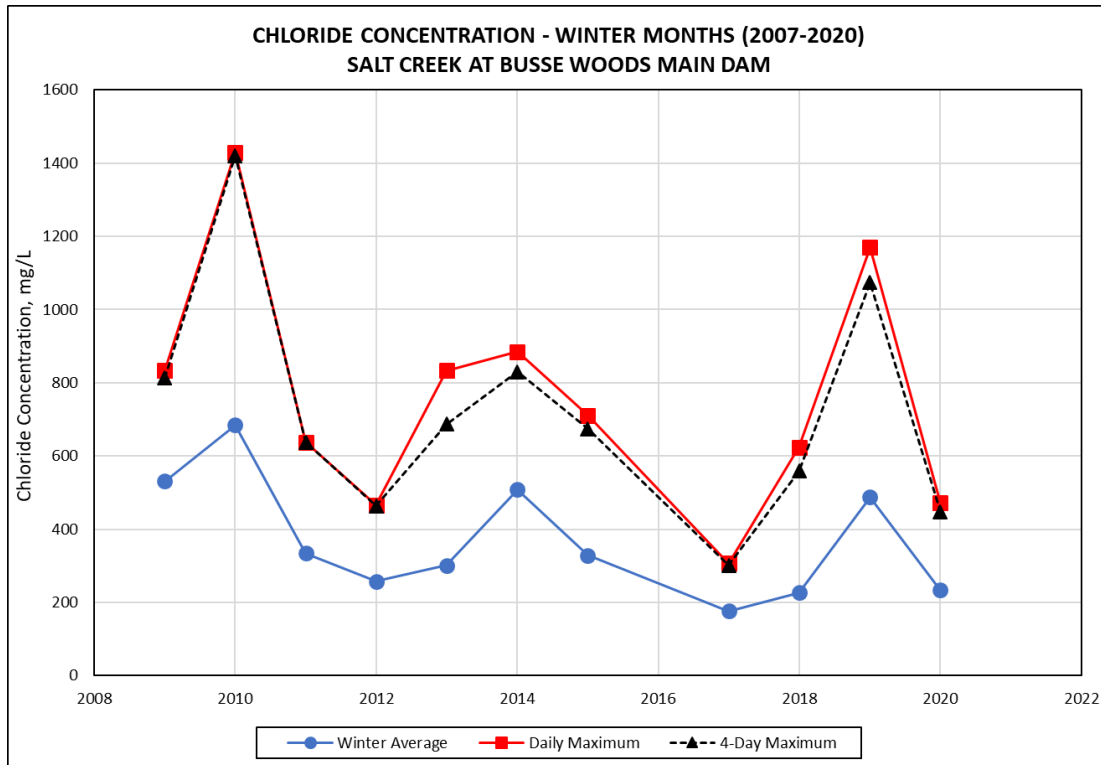


Figure 2. Calculated Chloride Concentrations - Winter Months (2007-2021) for Salt Creek at Wolf Road

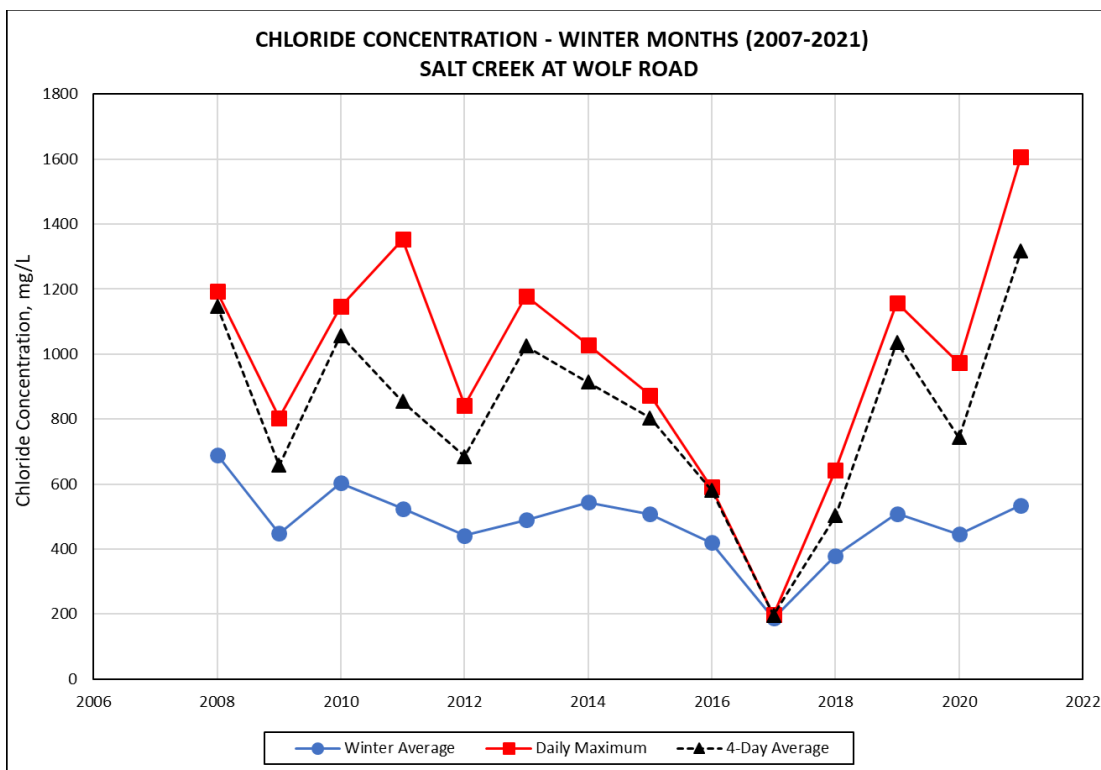


Figure 3. Calculated Chloride Concentrations - Winter Months (2007-2021) for the East Branch DuPage River at Army Trail Road

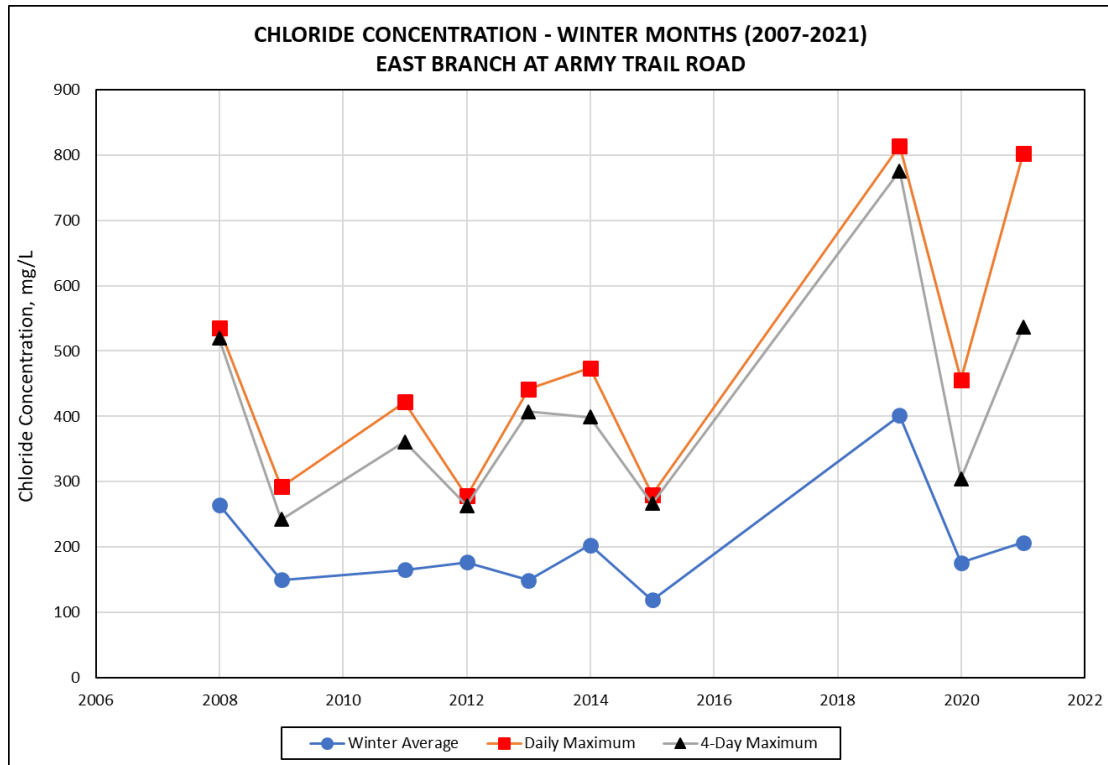


Figure 4. Calculated Chloride Concentrations - Winter Months (2008-2021) for the East Branch DuPage River at Hobson Road

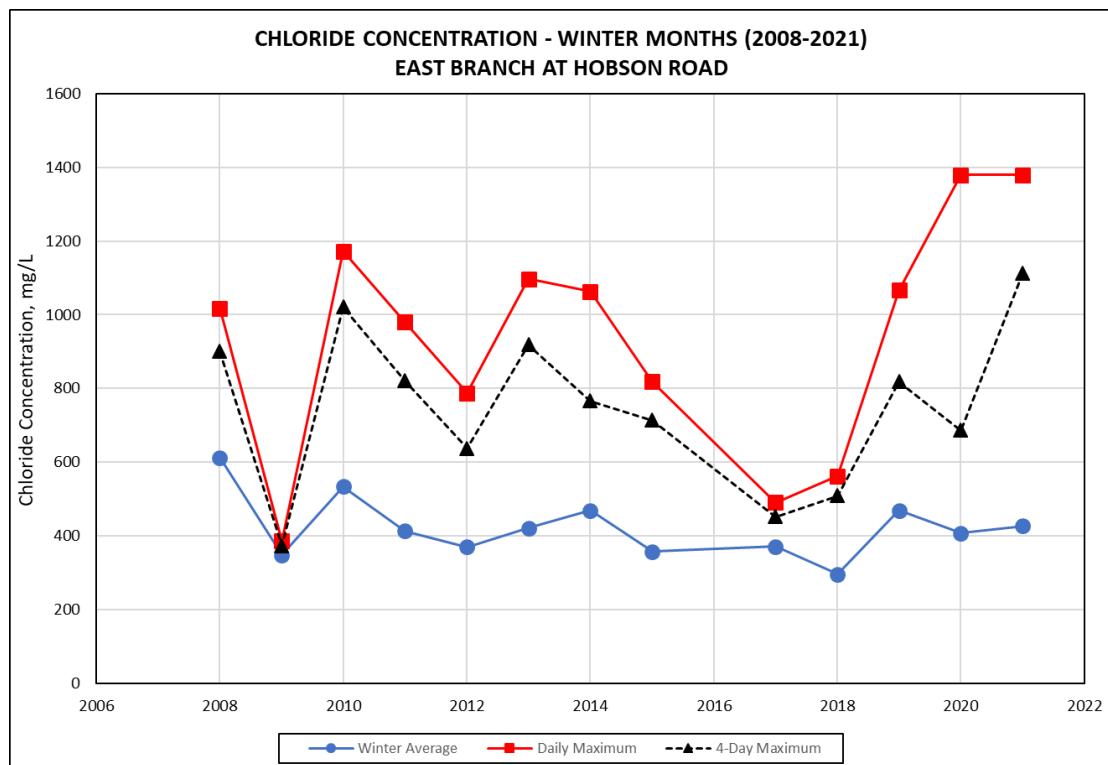


Figure 5. Calculated Chloride Concentrations - Winter Months (2007-2021) for the West Branch DuPage River at Arlington Drive

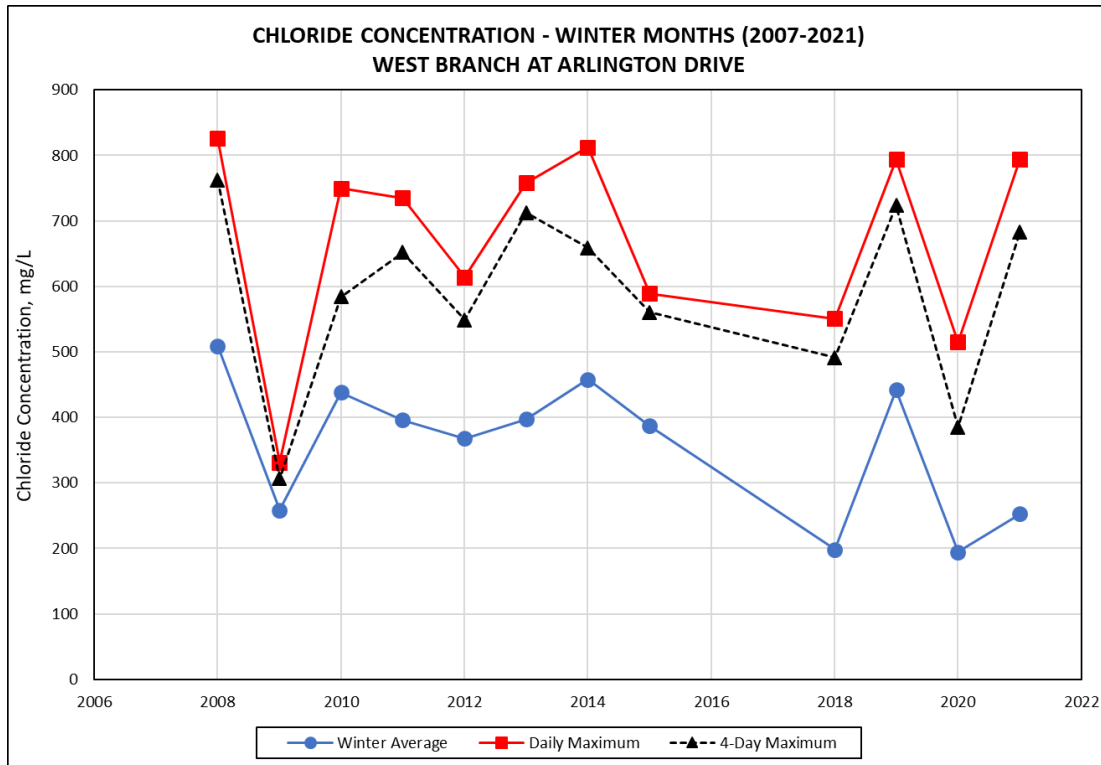
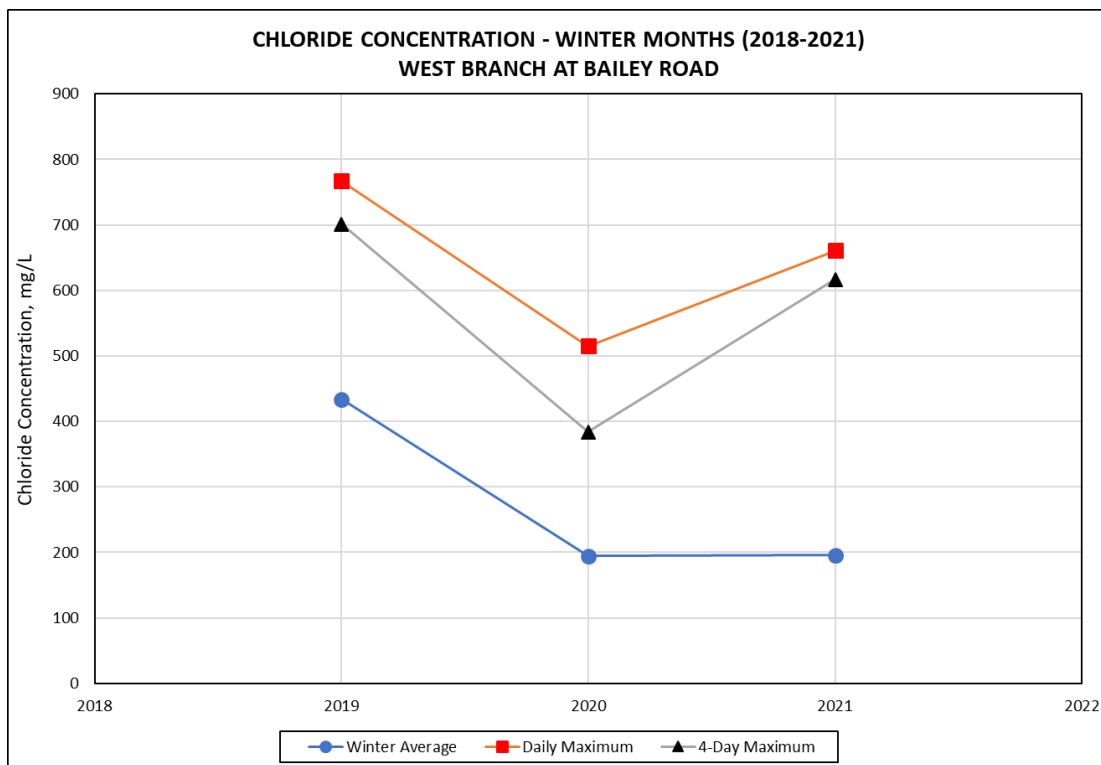


Figure 6. Calculated Chloride Concentrations - Winter Months (2018-2021) for the West Branch DuPage River at Bailey Road



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. Beginning in 2017, watershed will be sampled in a 4 or 5-year rotation ensuring 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.

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	2024
Salt Creek	2007, 2010, 2013, 2016, 2021	2025

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 collects 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 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.

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.

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.

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.

The Fish, Habitat and Water Chemistry sampling results presented in this report summarize the findings for the mainstem reaches of Salt Creek including the 2021 data and macroinvertebrate

sampling for the sampling conducted in 2020 in the West Branch DuPage River. A map of the 2020 West Branch DuPage River bioassessment sites can be found in Map 2 and a map of the 2021 Salt Creek sampling sites can be found in Map 3. 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 mainstem East Branch DuPage River and West Branch DuPage River can be found in the 2019 and 2020 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.

FISH

Methodology

Methods for the collection of fish at wadeable sites was performed using a tow-barge or longline pulsed D.C. electrofishing apparatus (MBI 2006b). A Wisconsin DNR battery powered backpack electrofishing unit was used as an alternative to the long line in the smallest streams (Ohio EPA 1989). A three-person crew carried out the sampling protocol for each type of wading equipment sampling in an upstream direction. Sampling effort was indexed to linear distance and ranged from 150-200 meters in length. Non-wadeable sites were sampled with a raft-mounted pulsed D.C. electrofishing device in a downstream direction (MBI 2007). Sampling effort was indexed to lineal distance over 0.5 km. Sampling was conducted during a June 15-October 15 seasonal index period.

Samples from each site were processed by enumerating and recording weights by species and by life stage (y-o-y, juvenile, and adult). All captured fish were immediately placed in a live well, bucket, or live net for processing. Water was replaced and/or aerated regularly to maintain adequate D.O. levels in the water and to minimize mortality. Fish not retained for voucher or other purposes were released back into the water after they had been identified to species, examined for external anomalies, and weighed either individually or in batches. While the majority of captured fish were identified to species in the field, any uncertainty about the field identification required their preservation for later laboratory identification. Identification was made to the species level at a minimum and to the sub-specific level if necessary. Vouchers were deposited and verified at The Ohio State University Museum of Biodiversity (OSUMB) in Columbus, OH.

Table 3. 2021 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					

2021 Salt Creek Results

Fish assemblage conditions throughout the Salt Creek watershed in 2021 are in the poor and fair ranges (Figure 7). Tables 4 and 5 include the key to dams and Wastewater Treatment Plants (WWTP) discharges denoted on the IBI, QHEI, and water chemistry figures for Salt Creek.

Figure 7. Fish IBI scores in Salt Creek, 1983, 2007, 2010, 2013, 2014, 2016, and 2021 in relation to municipal POTW dischargers and dams.

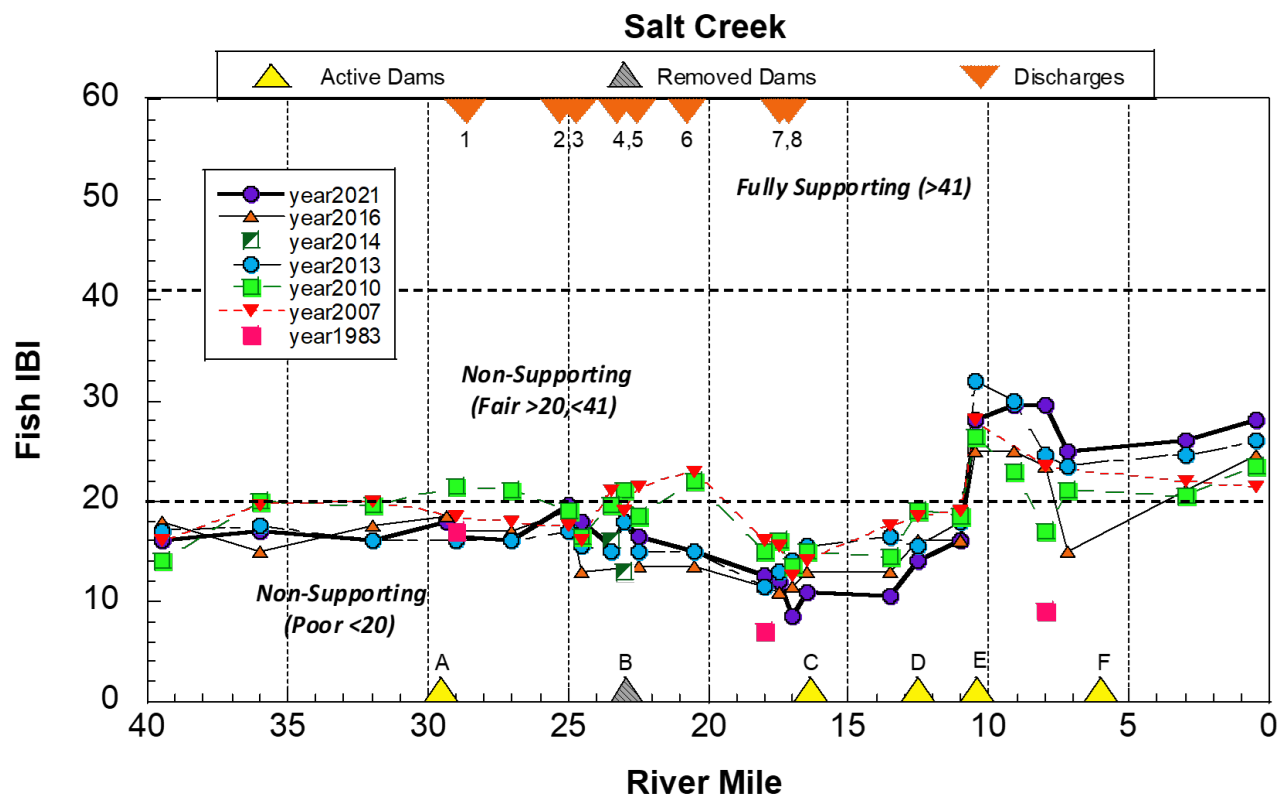


Table 4. Key to dams on the dam included on the Salt Creek IBI, QHEI, and water chemistry figures

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

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.

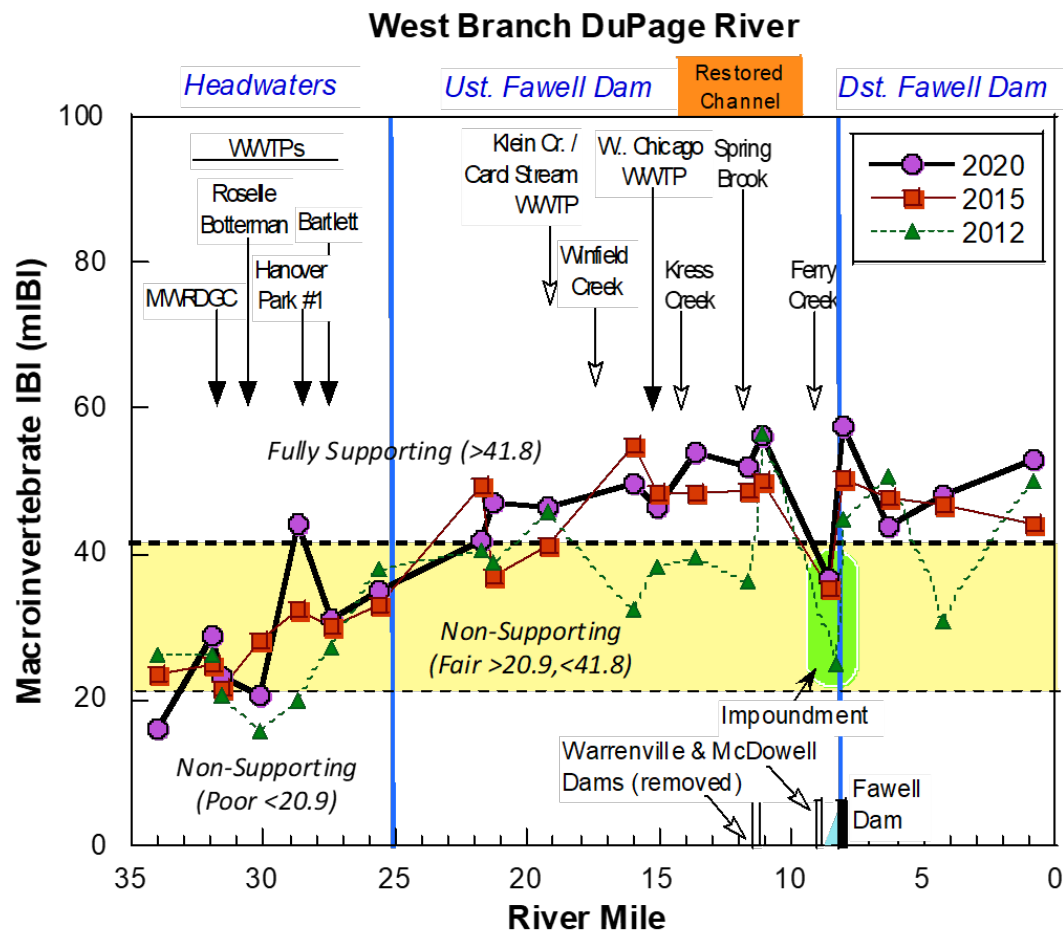
2021 Salt Creek Results

Results from the 2021 macroinvertebrate sampling in the Salt Creek watershed are not available at the time of the report. Sampling results will be provided in the 2022-2023 MS4 Activities Report.

2020 West Branch DuPage River

Macroinvertebrate collections from the 2020 West Branch are in the primarily in the good and fair ranges (Figure 8).

Figure 8. Macroinvertebrate IBI scores in the West Branch DuPage River, 2012, 2015, and 2020 in relation to municipal POTW dischargers, tributaries, and dams.



HABITAT

Methodology

Physical habitat was evaluated using the Qualitative Habitat Evaluation Index (QHEI) developed by the Ohio EPA for streams and rivers in Ohio (Rankin 1989, 1995; Ohio EPA 2006b) and as modified by MBI for specific attributes. Attributes of habitat are scored based on the overall importance of each to the maintenance of viable, diverse, and functional aquatic faunas. The type(s) and quality of substrates, amount and quality of instream cover, channel morphology, extent and quality of riparian vegetation, pool, run, and riffle development and quality, and gradient used to determine the QHEI score which generally ranges from 20 to less than 100. QHEI scores and physical habitat attribute were recorded in conjunction with fish collections.

2021 Salt Creek Results

The physical habitat of a stream is a primary determinant of biological quality. Streams in the glaciated Midwest, left in their natural state, typically possess riffle-pool-run sequences, high sinuosity, and well-developed channels with deep pools, heterogeneous substrates and cover in the form of woody debris, glacial tills, and aquatic macrophytes. The QHEI categorically scores

the basic components of stream habitat into ranks according to the degree to which those components are found in a natural state, or conversely, in an altered or modified state.

Salt Creek

Based on QHEI scores, mainstem habitat quality fell mostly in the fair range, but varied by location (Figure 9).

WATER QUALITY AND SEDIMENT CHEMISTRY

Methodology

Water column and sediment samples are collected as part of the DRSCW bioassessment programs. Total number of collected samples by watershed typical for a full assessment by watershed are given in Table 6. The number of samples collected at each site is largely a function of the site's drainage area with the frequency of sampling increasing as drainage size increases (Table 7). Organics sampling is a single sample done at a subset of sites. Sediment sampling is done at a subset of 136 sites using the same procedures as IEPA. Table 3 details the 2021 Salt Creek Bioassessment sites and the frequency of sample at each site. Map 3 shows the location of the sites within Salt Creek where water chemistry was collected. Map 4 shows the location of the Salt Creek bioassessment sediment sampling sites.

The parameters sampled for are included in Table 6 and can be grouped into demand parameters, nutrients, demand, metals and organics. All sampling occurs between May and October of the sample year with the exception of sediment that occurs October to December. The Standard Operating Procedure for water quality sampling can be found at <http://drscw.org/wp/bioassessment/>.

Table 6. *Total number of samples by watershed typical for a full assessment by watershed*

Watershed	Approximate # Sites*	Demand Samples	Nutrients Samples	Metals Samples	Organics Samples
Salt Creek (2021)	57	319	319	167	17
West Branch DR (2020)	42	225	225	116	18
East Branch DR (2019)	38	212	212	100	11

*Does not include sites sampled as part of pre- or post-project monitoring of physical projects.

Figure 9. Qualitative Habitat Evaluation Index (QHEI) scores for Salt Creek in 2007, 2010, 2013, 2014, 2016, and 2021 in relation to municipal WWTP discharges and dams.

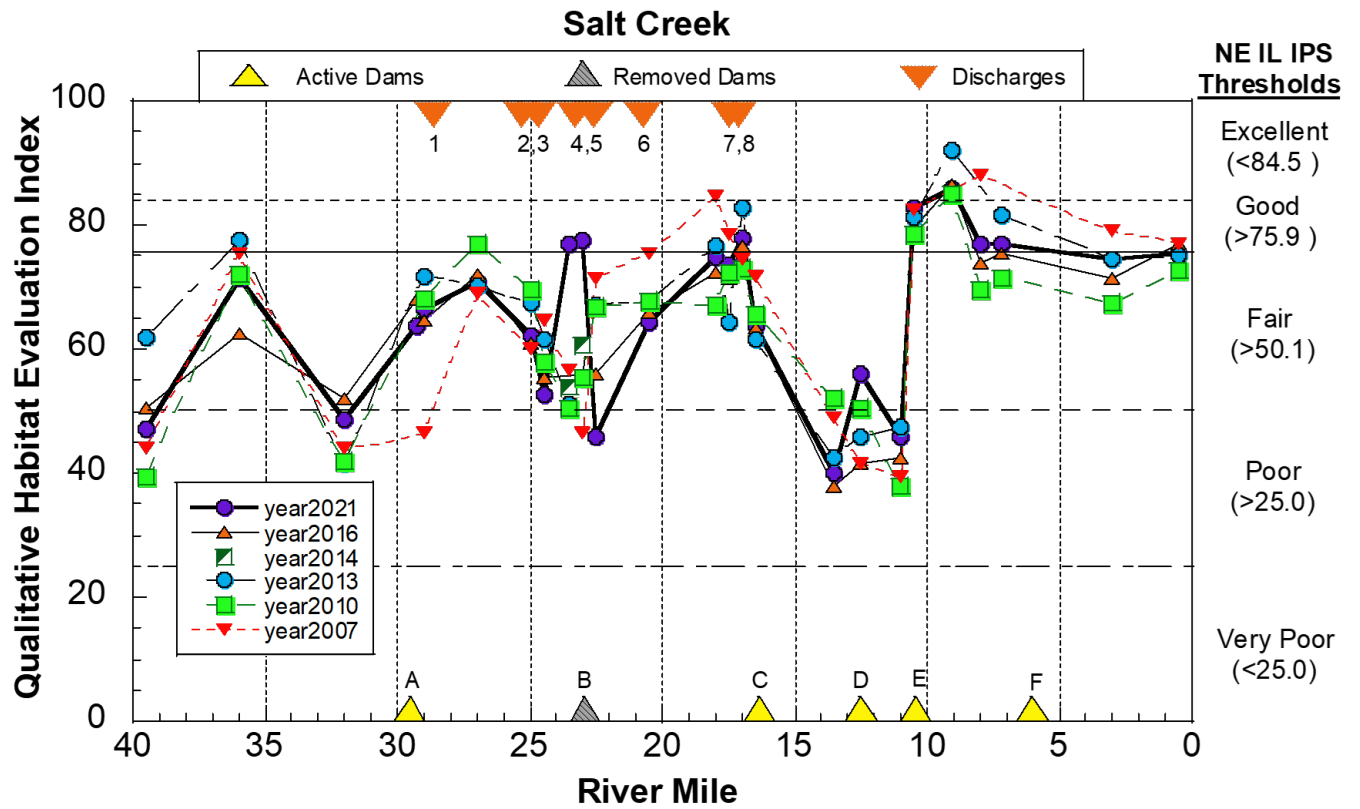


Table 7. Approximate distribution of sample numbers by drainage area across the monitoring area

Drainage Area and site numbers	>100 sq. mi (n=12)	>75 sq. mi (n=25)	>38 sq. mi (n=11)	>19 sq. mi (n=11)	>8 sq. mi (n=15)	>5 sq. mi (n=24)	>2 sq. mi (n= 46)
Mean # Samples demand /nutrients	12	9	6	6	4	4	2
Mean # Samples metals	6	6	4	4	2	2	0

Table 8. Water Quality and sediment Parameters sampled as part of the DRSCW Bioassessment Program

Water Quality Parameters	Sediment Parameters
Demand Parameters 5 Day BOD Chloride Conductivity Dissolved Oxygen pH Temperature Total Dissolved Solids Total Suspended Solids Nutrients Ammonia Nitrogen/Nitrate Nitrogen – Total Kjeldahl Phosphorus, Total Chlorophyll A Metals Cadmium Calcium Copper Iron Lead Magnesium Zinc Organics – Water PCBS Volatile Organics Pesticides Semi volatile Organics	Sediment Metals Arsenic Barium Cadmium Chromium Copper Iron Lead Manganese Nickel Potassium Silver Zinc Sediment Organics Organochlorine Pesticides PCBS Percent Moisture Semi volatile Organics Volatile Organic Compounds

2021 Salt Creek Results

The discussion presented below focuses on the constituents listed in the MS4 permit: total suspended solids, total nitrogen, total phosphorus, fecal coliform, chlorides, and oil and grease. Total nitrogen is presented as ammonia, nitrate, and total kjeldahl nitrogen (TKN). Prior to the 2016 sampling period, fecal coliform and oil and grease sampling was not conducted. Oil and grease sampling and/or fecal coliform were added to the bioassessment sampling for Salt Creek in 2016, the East Branch DuPage River in 2019, and the West Branch DuPage River in 2020 ensuring that each watershed will be sampled for that parameter during the effective period of the ILR40 permit.

West Branch mainstem flows are effluent dominated during the late summer-early fall months. As such, chemical water quality is highly influenced by the concentration and composition of chemical constituents in WWTP effluents (Figures 10-12).

In 2021, samples for fecal coliform samples were collected at five (5) sites on the mainstem Salt Creek, one (1) site on Springbrook, and one (1) sites on Addison Creek. Each site was sampled 5

times within a 30-day period beginning on June 28, 2022. The results are summarized below in Table 9.

Table 9. *Concentrations of fecal coliform in 2021 in the Salt Creek watershed*

Site Number	Site Location	Fecal Coliform cfu/100 ml					Fecal Coliform cfu/100 ml
		6/28/2022	7/7/2022	7/12/2022	7/19/2022	7/26/2022	
Salt Creek							
SC15	Salt Creek at Higgins	400	650	1400	1900	1000	928.90
SC43	Salt Creek at Arlington Heights	<50	50	100	1100	50	128.78
SC51	Salt Creek at Elmhurst	200	<50	400	1550	<50	498.66
SC49	Salt Creek at Wolf Road	<50	200	1600	2750	1000	968.55
SC29	Salt Creek at Rt 171	2100	1400	2300	9300	2500	2749.79
Tributaries							
SC16	Springbrook at Prospect Avenue	200	50	200	5100	<50	317.80
SC28	Addison Creek at Gartner Road	9300	8000	1900	390000	<50	15323.14

Sediment Chemistry Results

Detailed analysis and results for sediment chemistry is located at <http://drscw.org/wp/bioassessment/>.

Figure 10. Median concentrations of total suspended solids (top panel) and TKN (lower panel) from Salt Creek samples in 2007, 2010, 2013, 2016, and 2021 in relation to municipal WWTP discharges (top X-axis) and dams (bottom X-axis).

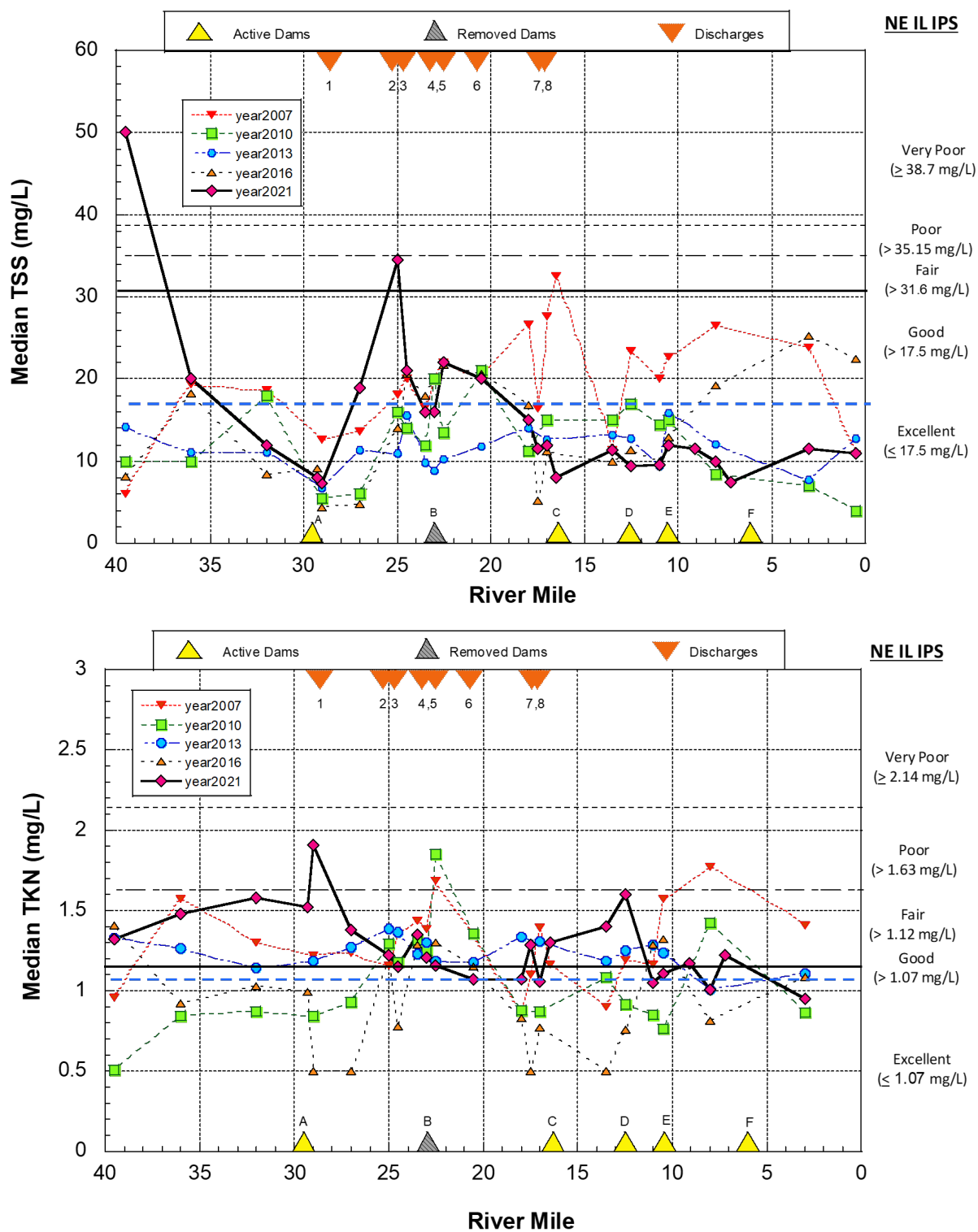


Figure 11. Median concentrations of ammonia (top panel) and nitrate (lower panel) from Salt Creek samples in 2007, 2010, 2013, 2016, and 2021 in relation to municipal WWTP discharges (top X-axis) and dams (bottom X-axis).

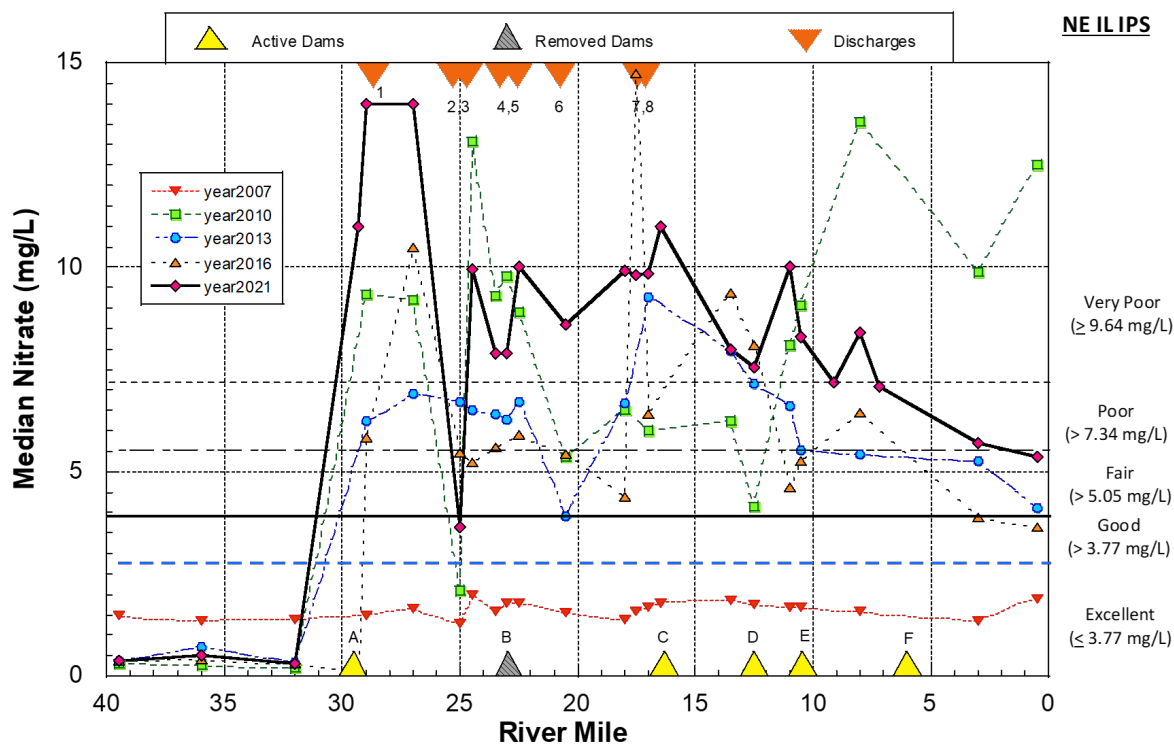
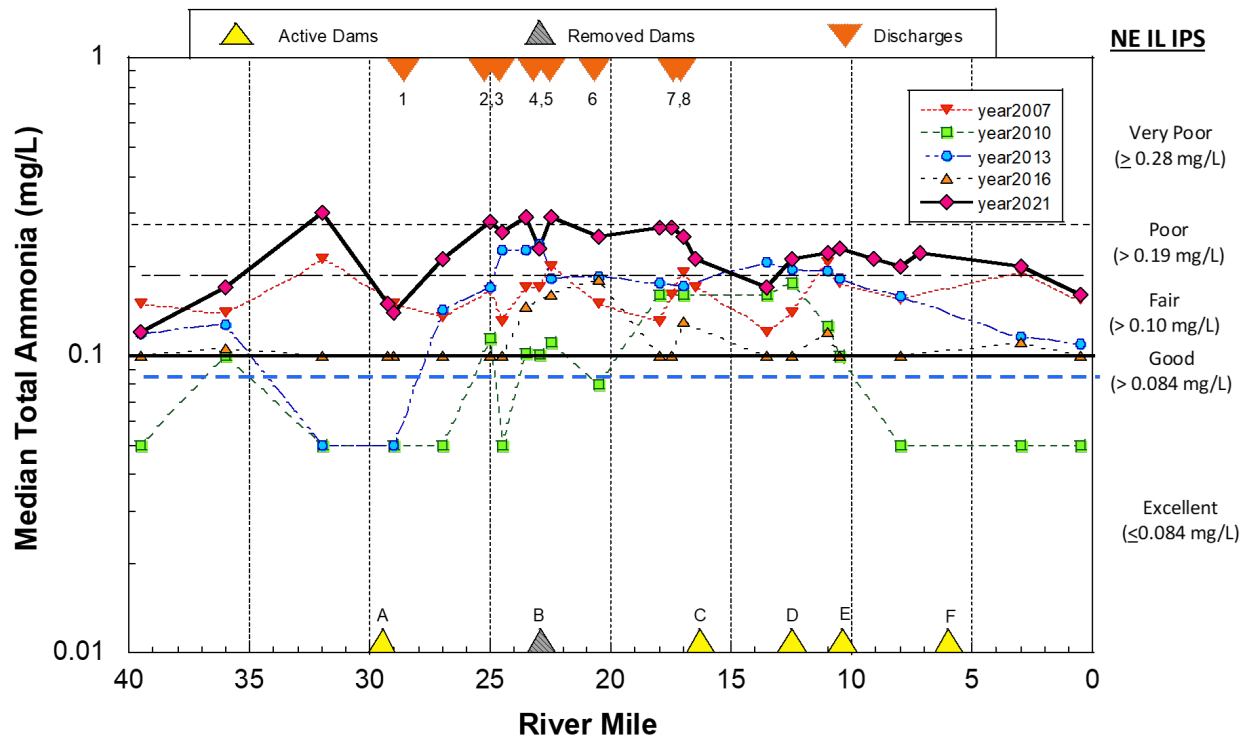
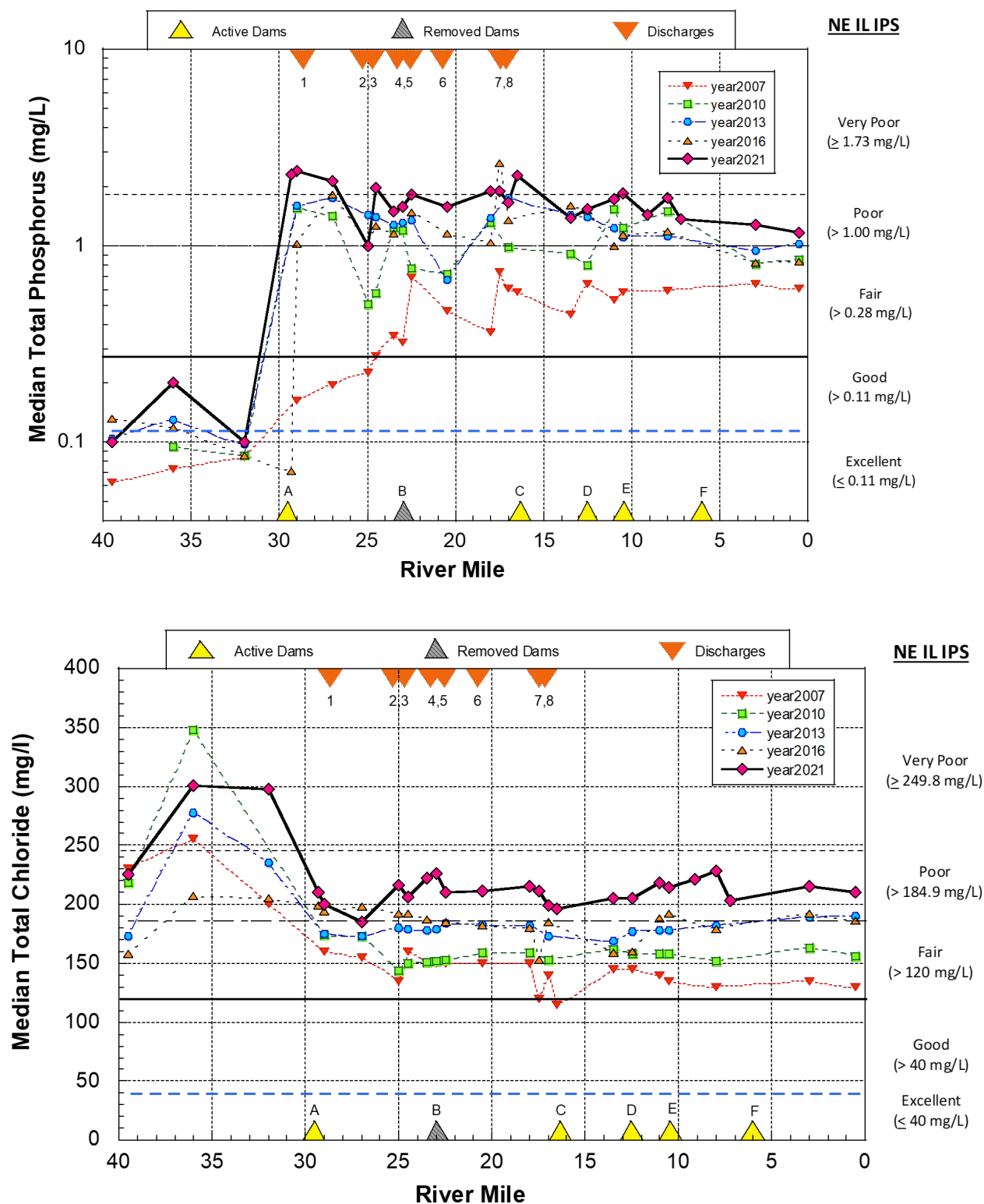


Figure 12. Median concentrations total phosphorus (top panel) and chloride (bottom panel) from Salt Creek samples in 2007, 2010, 2013, 2016, and 2021 in relation to municipal WWTP discharges (top X-axis) and dams (bottom X-axis).



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 three (3) TMDLs were prepared by the IEPA for Salt Creek and the East Branch of the DuPage River in 2004 and two (2) 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.

In 2021, the DRSCW in collaboration with DuPage County Stormwater Management gathered continuous DO data via water quality sondes at three (3) sites on Salt Creek (SCBW, SCOM, SCFW), four (4) sites on the East Branch DuPage River (EBAR, EBCB, 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. Historically, the DRSCW also collected data at an additional site on the East Branch DuPage River at Hidden Lake (EBHL), however, in 2021 the bridge where the sonde is located was undergoing repairs and the sonde casing needed to be removed. The DRSCW plans to reestablish a monitoring location in Hidden Lake once the construction/repair project is complete. The Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) also typically monitors two (2) additional locations on Salt Creek: Salt Creek at Wolf Road and Salt Creek downstream of Busse Woods dam. However, in 2021, MWRDGC discontinued their monitoring at the Salt Creek downstream of Busse Woods dam and as such, no data was collected at this location in 2021. The DRSCW

has re-established the Salt Creek downstream of Busse Woods dam and data collection resumed in 2022. 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 10 and site locations for 2021 are included on Map 5.

Starting in October of 2021, the DRSCW will be extending the continuous DO monitoring to year round monitoring at all sites where the sonde is placed in a casing that is bridge-mounted. This includes two (2) sites on each of the three mainstem rivers: Salt Creek, East Branch DuPage River, and West Branch DuPage River.

Table 10. 2021 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)

Results

Results of the continuous DO monitoring conducted in the summer of 2021 is included in Figures 13-25.

Figure 13. Dissolved Oxygen plot for Salt Creek site at Oak Meadows (SCOM)

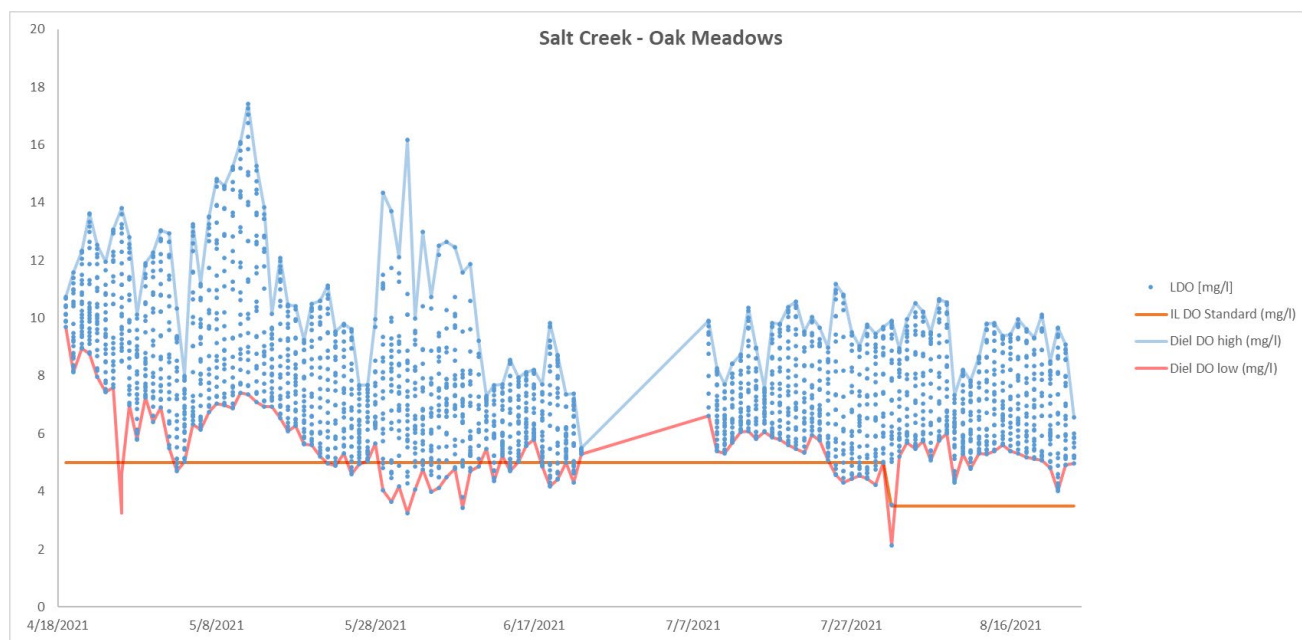


Figure 14. Dissolved Oxygen plot for Salt Creek site at Butterfield Road (SCBR)

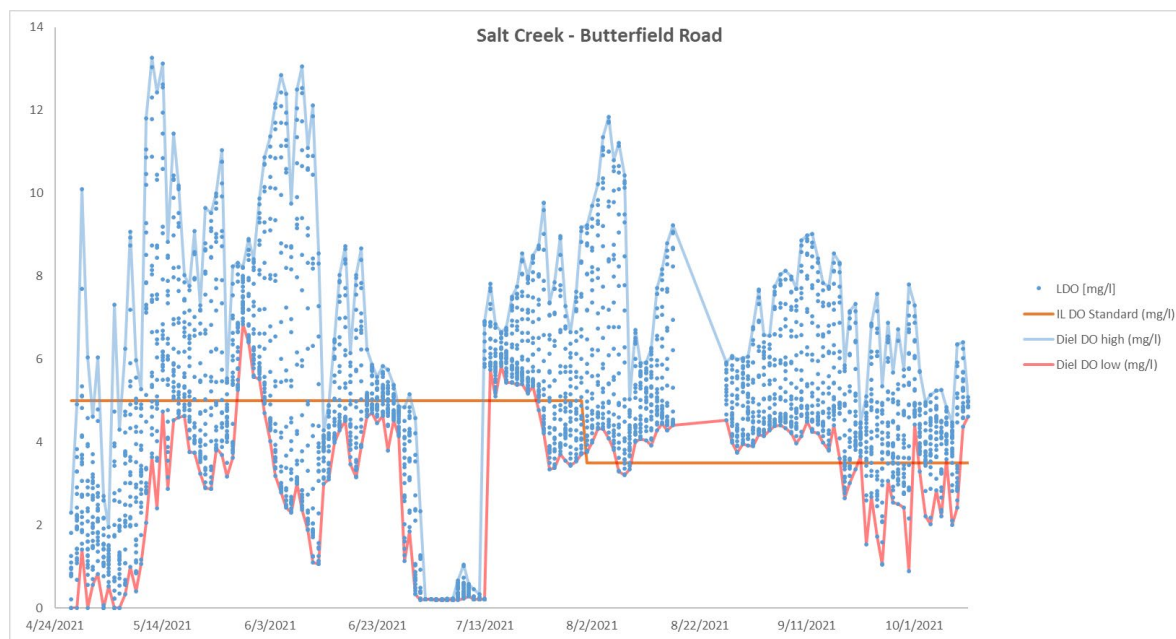


Figure 15. Dissolved Oxygen plot for Salt Creek site at Fullersburg Woods (SCFW)

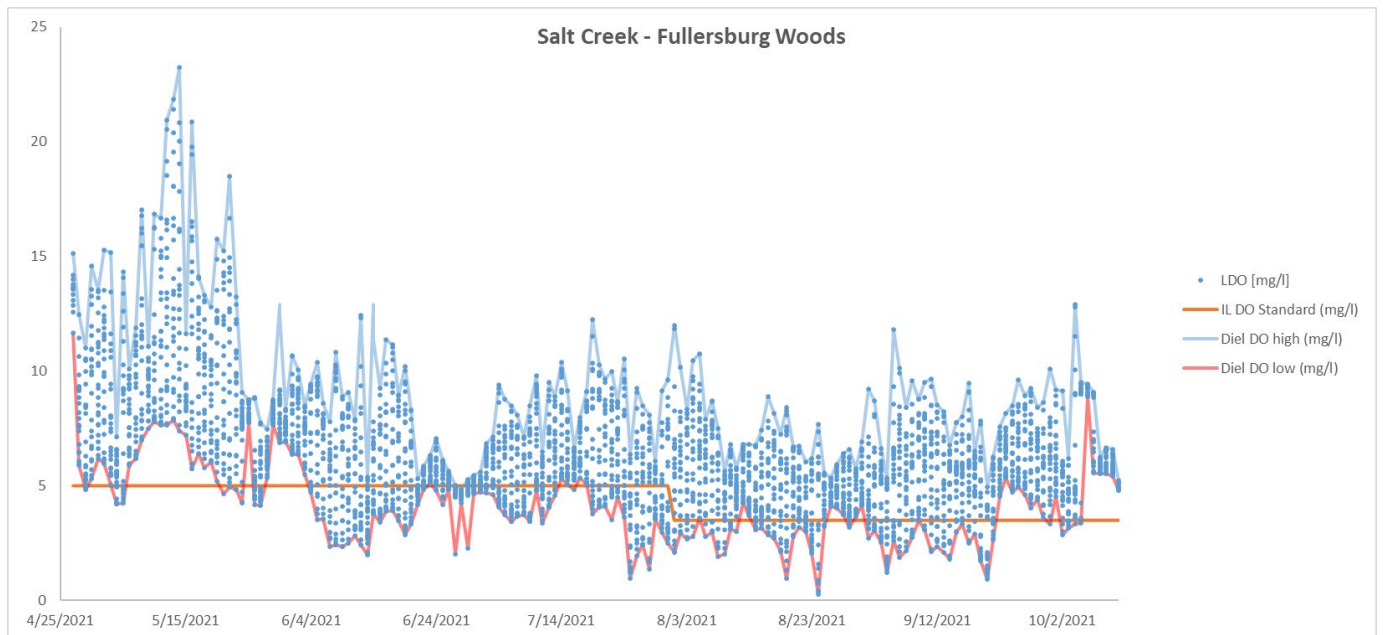


Figure 16. Dissolved Oxygen plot for Salt Creek site at Wolf Road

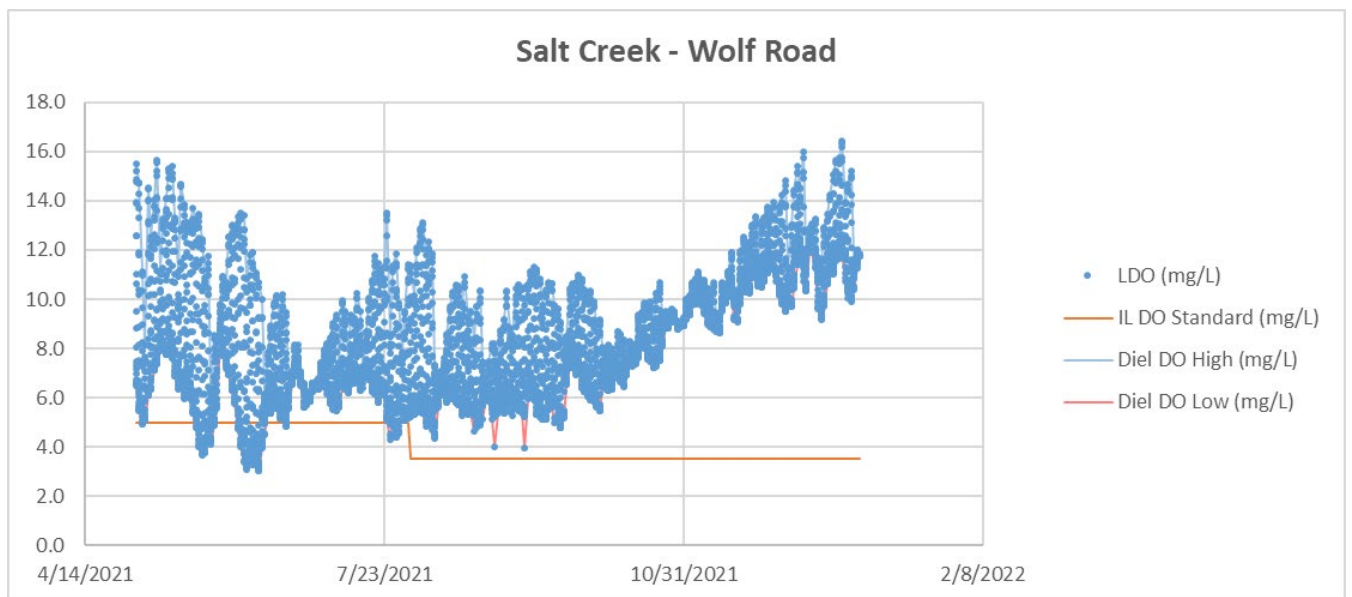


Figure 17. Dissolved Oxygen plot for the East Branch DuPage River at Army Trail Road

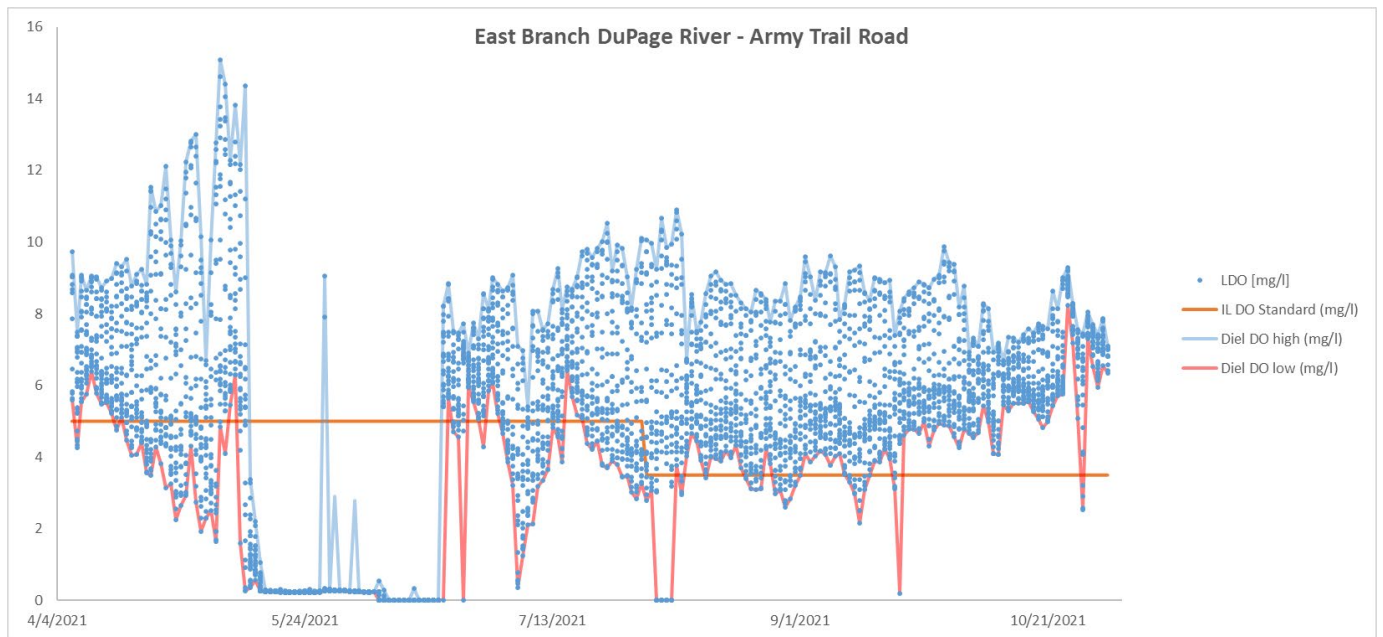


Figure 18. Dissolved Oxygen plot for the East Branch DuPage River at Crescent Boulevard

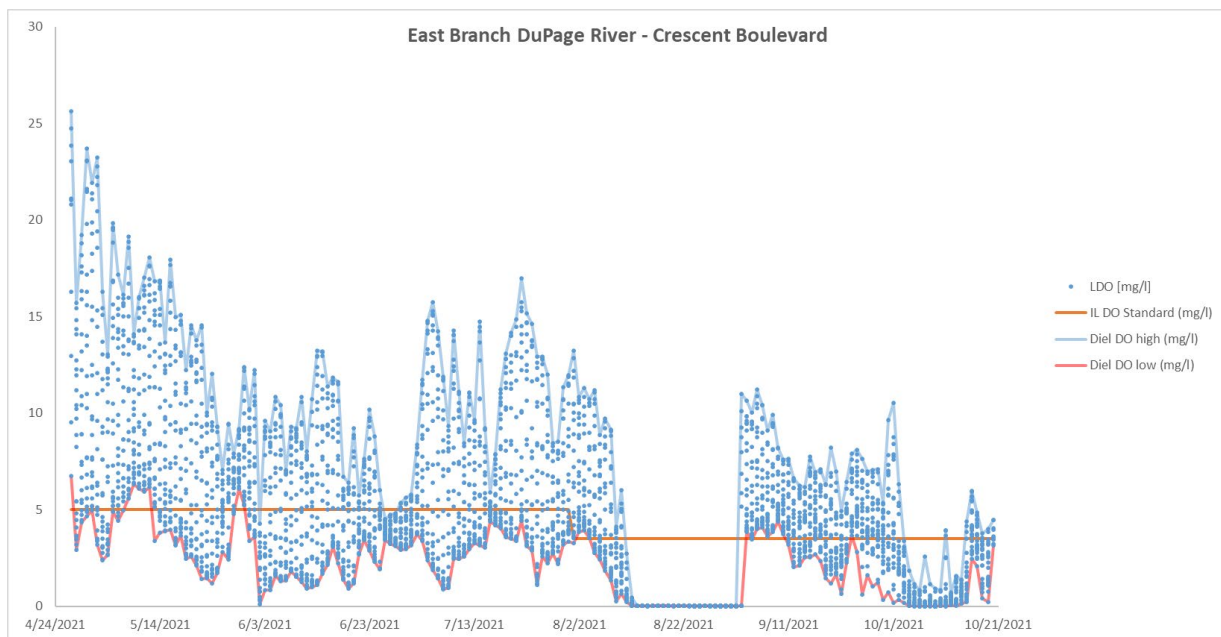


Figure 19. Dissolved Oxygen plot for the East Branch DuPage River at Hobson Road

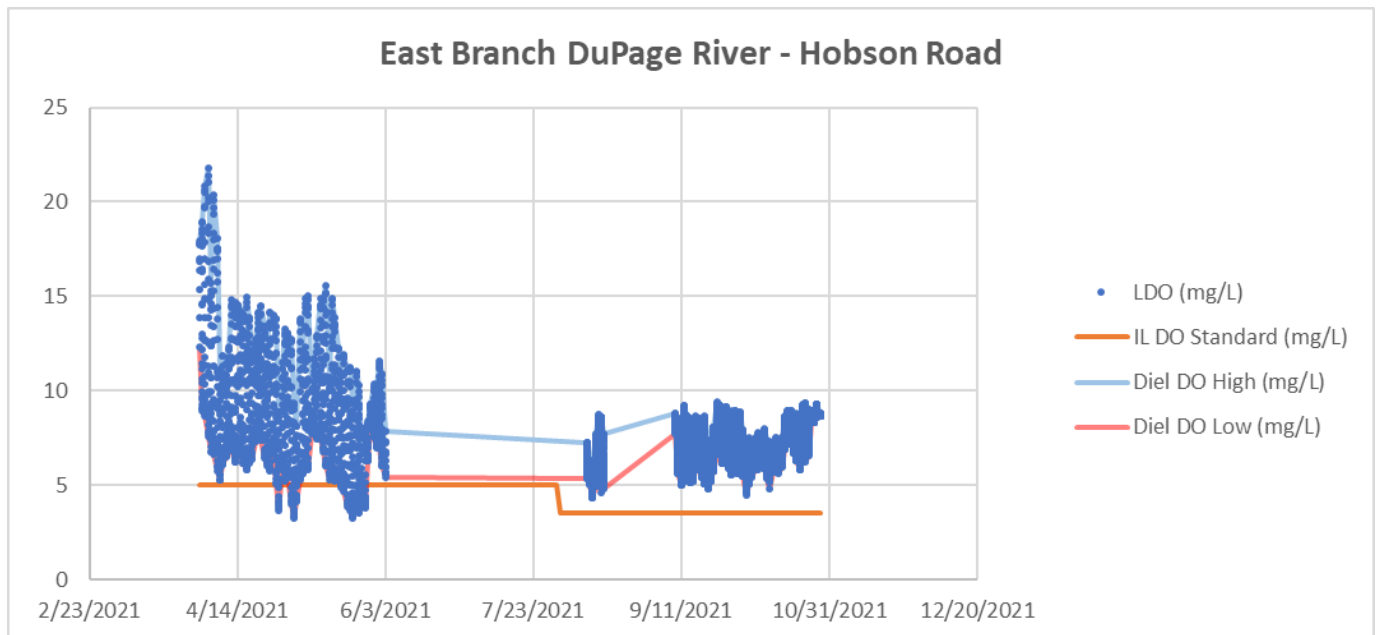


Figure 20. Dissolved Oxygen plot for the East Branch DuPage River at Whalon Lake

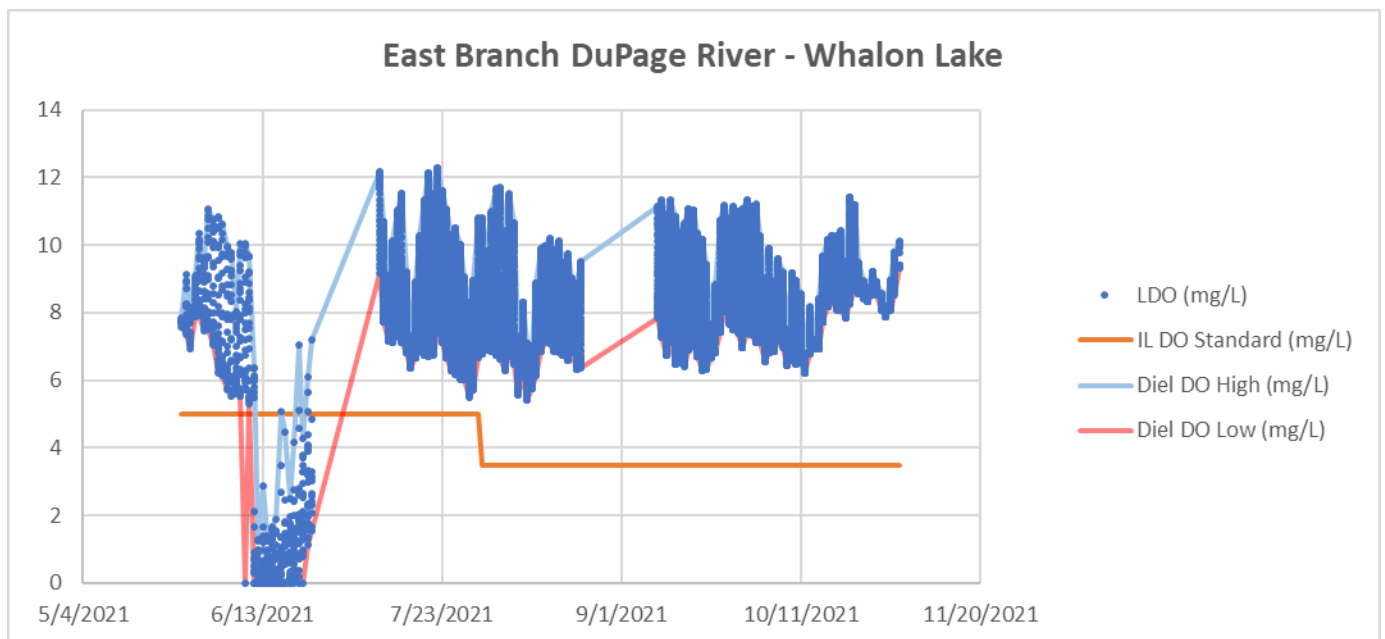


Figure 21. Dissolved Oxygen plot for the West Branch DuPage River at Arlington Drive

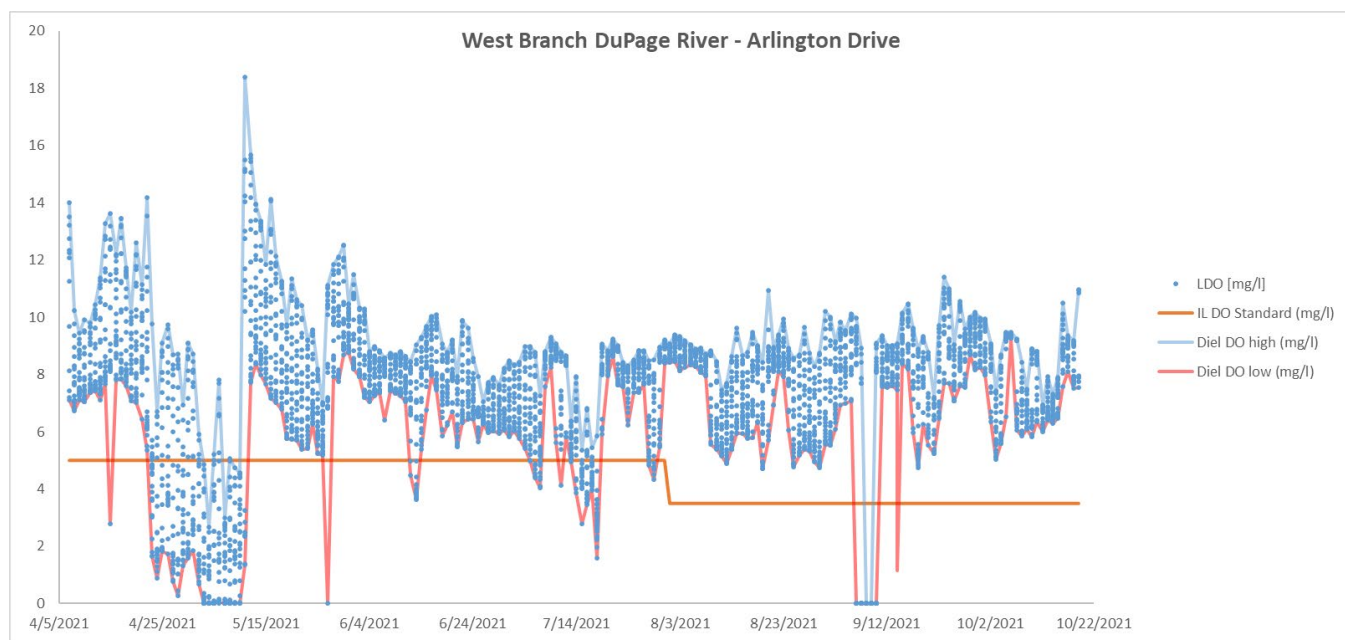


Figure 22. Dissolved Oxygen plot for the West Branch DuPage River at Butterfield Road

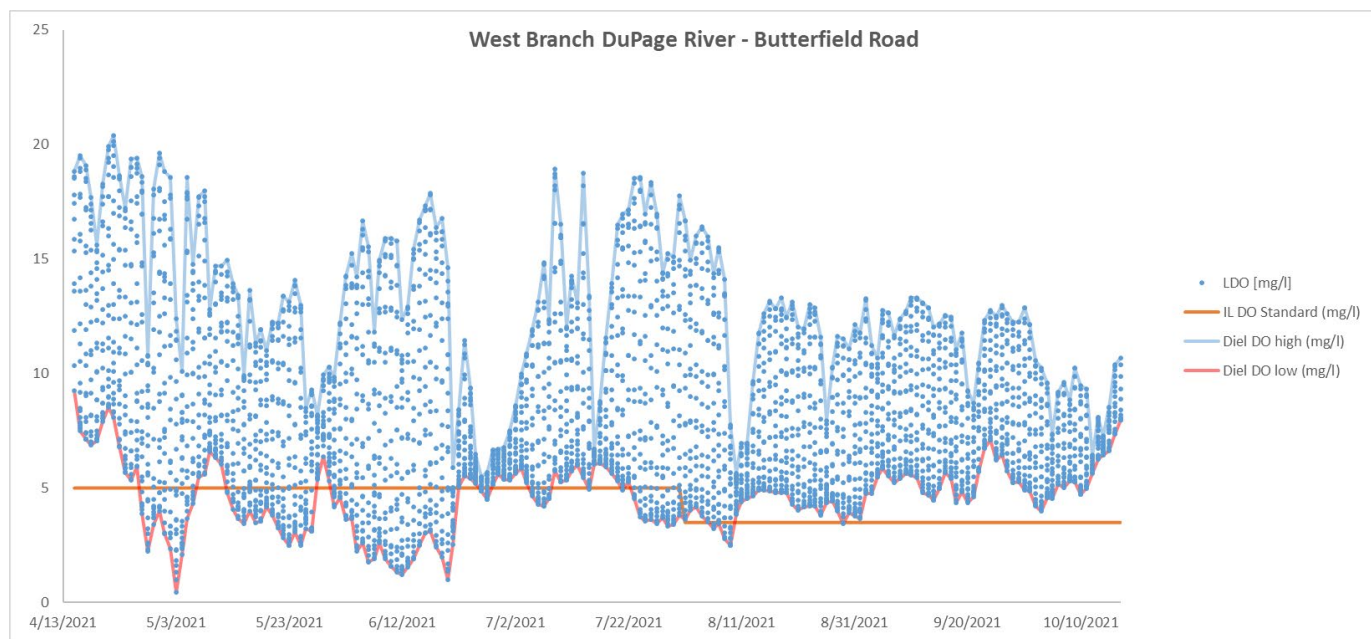


Figure 23. Dissolved Oxygen plot for the West Branch DuPage River at Warrenville Grove

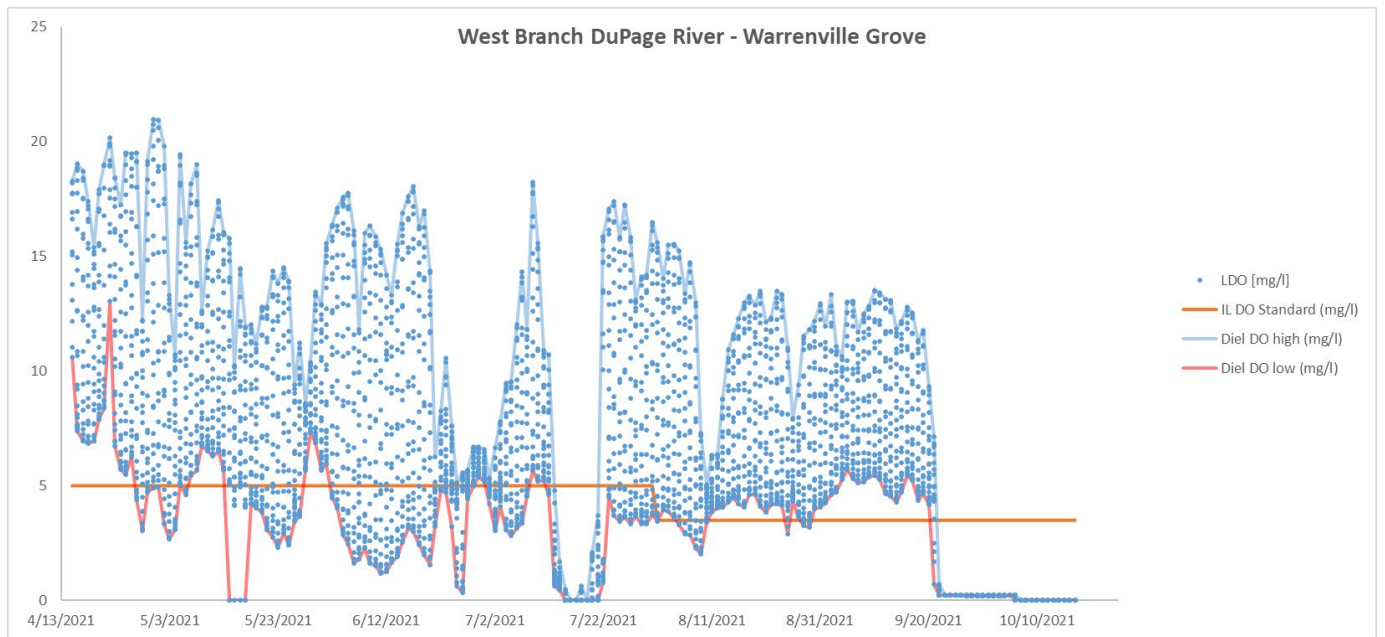


Figure 24. Dissolved Oxygen plot for the West Branch DuPage River at McDowell Grove

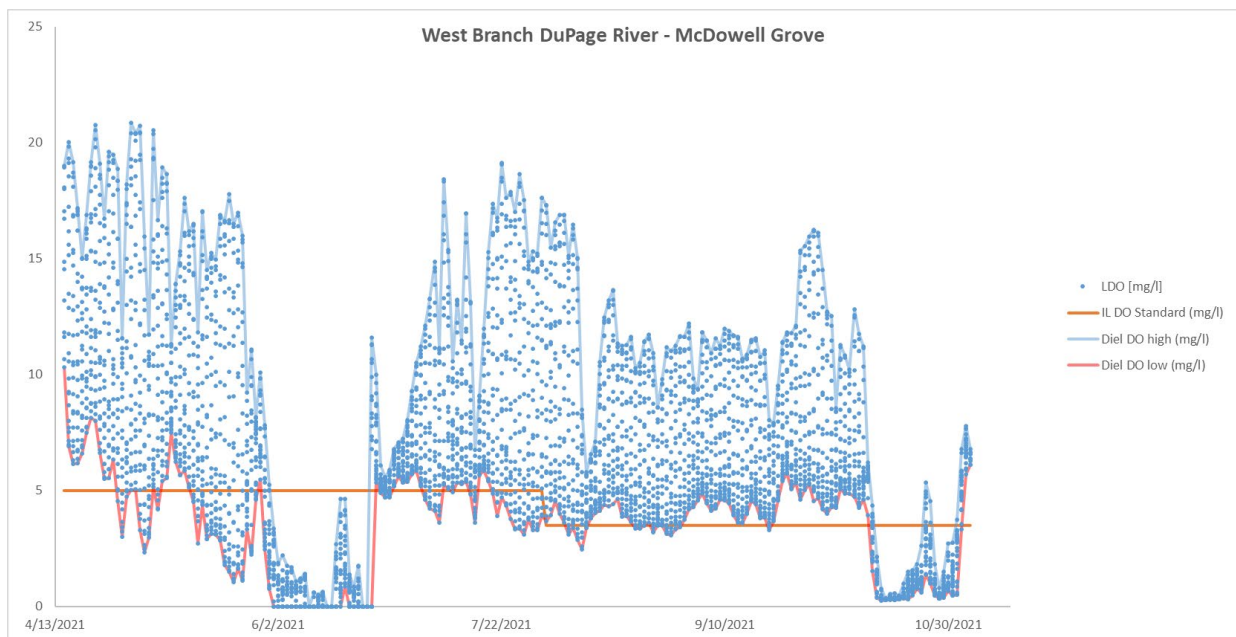
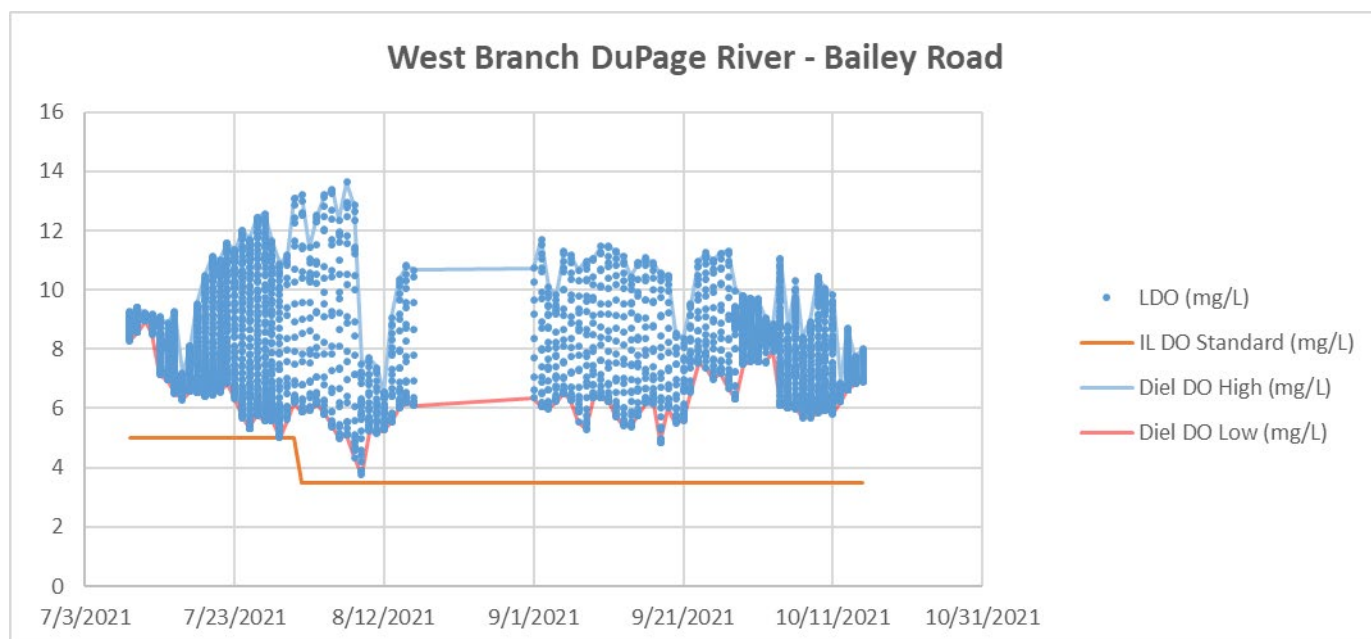


Figure 25. Dissolved Oxygen plot for the West Branch DuPage River at Bailey Road



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 NIP. This program is coordinated with the Bioassessment Program (see Table 11 for schedule). Sites sampled in the Salt Creek watershed in 2021 are included in Table 12 and shown on Map 6.

Table 11. Schedule for Expanded DO Monitoring

Basin	Year of Expanded DO Monitoring
East Branch DuPage River	2019
West Branch DuPage River	2020
Salt Creek	2021

The sampling period for the Expanded DO Monitoring Project is late June to the end of August in dry and low flow conditions (no rain a minimum of 72 hours prior to sampling). Sondes are deployed in the channel thalweg for a minimum of 72 hours, where they collect data on dissolved oxygen, temperature, pH, conductivity, turbidity, and chlorophyll a at 15-minute intervals.

Composite water quality samples and sestonic algae sampling were collected once during the sonde deployment using the sampling technique described in the IEPA Standard Operating

Procedure for Stream Water Quality Sample Monitoring (DCN184). Samples were analyzed for the constituents listed in Table 13. One (1) benthic algae sample was collected at each site.

2021 Salt Creek Results

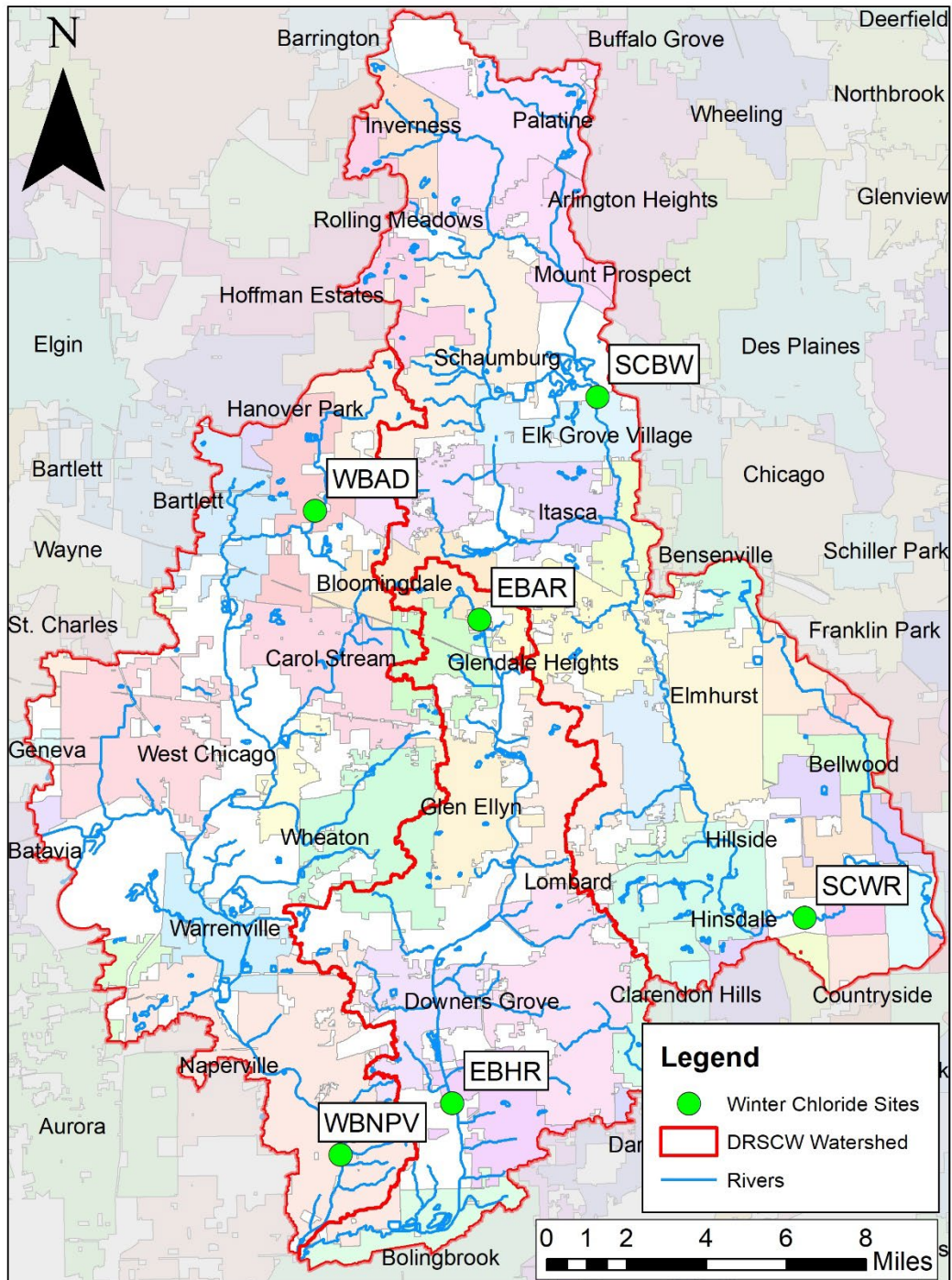
Results from the 2021 Expanded DO sampling in the Salt Creek watershed are not available at the time of the report. Sampling results will be included in the Nutrient Implementation Plan due on December 31, 2023.

Table 12. *Sites Monitored as Part of the 2021 Expanded DO Monitoring Program.*

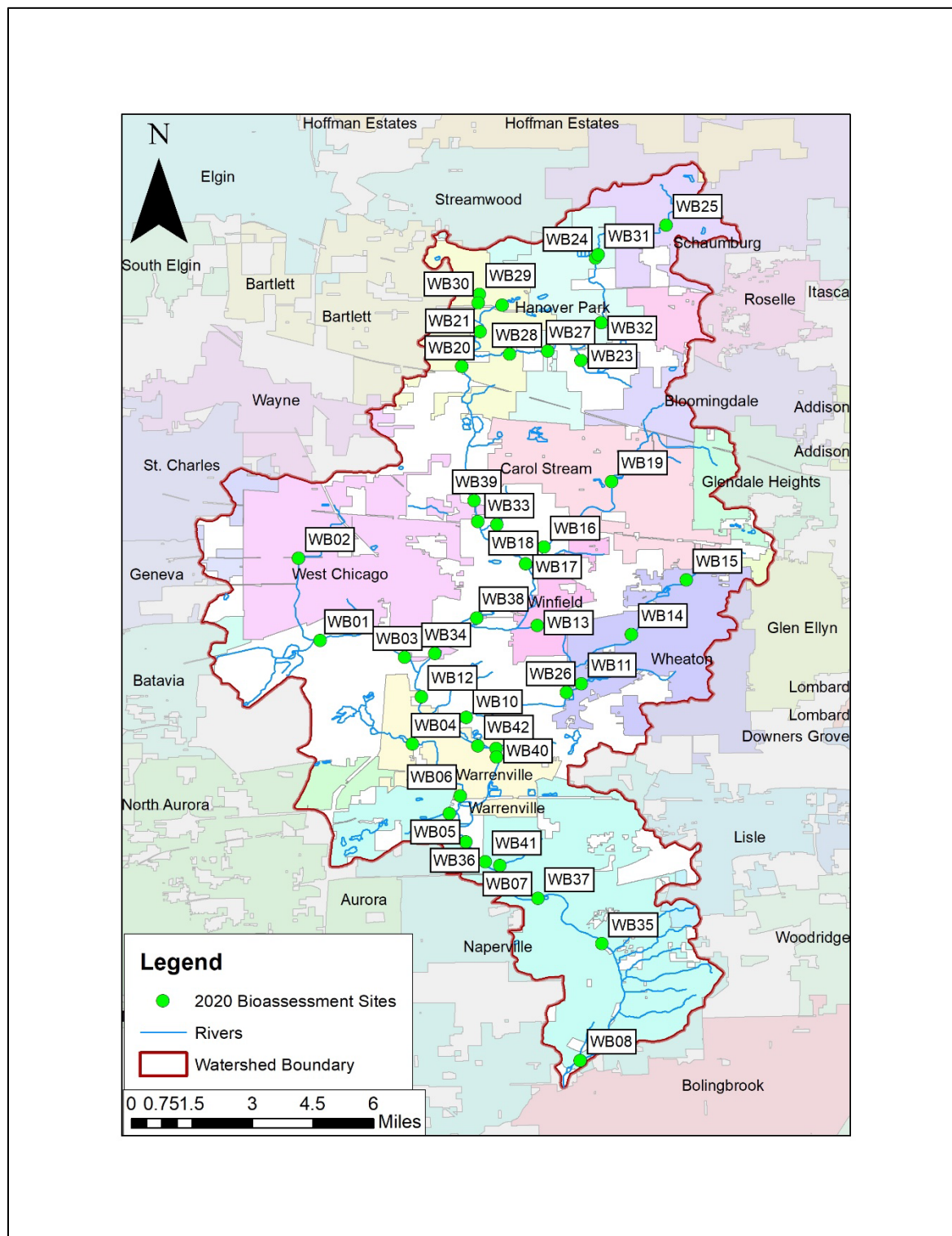
Site ID	Reasoning	Latitude	Longitude
SALT CREEK WATERSHED			
Salt Creek			
SC23	Downstream from Addison North WWTP	41.936938	-87.984234
SC29	Upstream of St Rt 171 (Upstream of confluence with Des Plaines River)	41.818297	-87.833708
SC35	Downstream from Wood Dale South WWTP	41.944091	-87.981079
SC37	Downstream of SCSC WWTP	41.885162	-87.959927
SC39	Downstream from Addison South WWTP	41.919985	-87.972745
SC40	Downstream from Wood Dale North WWTP	41.962745	-87.98439
SC41	Downstream from Itasca WWTP	41.970302	-87.988175
SC43	Downstream MWRDGC Egan WWTP	42.011973	-88.00092
SC44	Downstream of Busse Woods Dam (upstream conditions)	42.01602	-88.000508
SC46	Downstream of Roselle Devlin WWTP	41.966727	-88.077424
SC49	Upstream of Wolf Road	41.825756	-87.900036
SC51	Downstream Elmhurst WWTP	41.875767	-87.95799
Addison Creek			
SC24	Downstream of 3rd Street (Downstream of Bensenville WWTP)	41.946217	-87.926124
SC28	At Gardner Road (upstream of confluence with Salt Creek)	41.861162	-87.867743
Spring Brook			
SC16	Downstream from Roselle - JL Devlin WWTP	41.971781	-87.998034
SC21	Upstream of Roselle- JL Delvin WWTP (upstream conditions of Spring Brook)	41.97324	-88.079282

Table 13. *Parameters Included in Expanded DO Monitoring Program.*

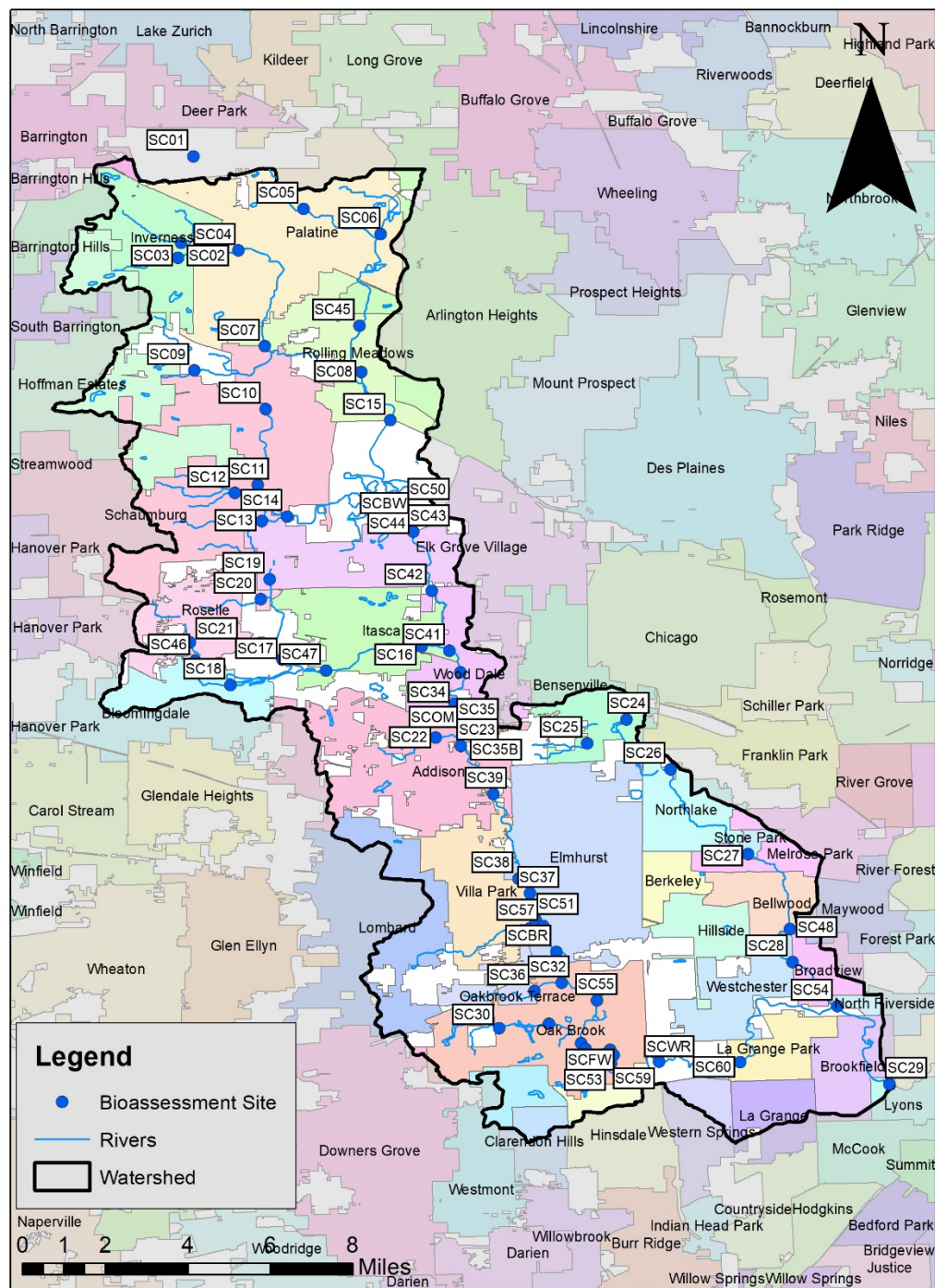
Parameter	Abbreviation	Frequency
5 Day Biological Oxygen Demand	BOD5	Once per sampling period
5 Day Carbonaceous Biological Oxygen Demand	CBOD5	
Total Suspended Solids	TSS	
Volatile Suspended Solids	VSS	
Total Dissolved Solids	TDS	
Chloride	Chloride	
Conductivity	Cond.	
Total Organic Carbon	TOC	
Total Dissolved Carbon	TDC	
Ammonia	NH3	
Nitrite	NO2	
Nitrate	NO3	
Total Kjeldahl Nitrogen	TKN	
Total Phosphorus	TP	
Orthophosphate	Ortho-P	
Total Dissolved Phosphorus	TDP	
Chlorophyll A (sestonic)	Chl A	
Chlorophyll A (benthic)	Chl A (benthic)	Once Per Sampling Period



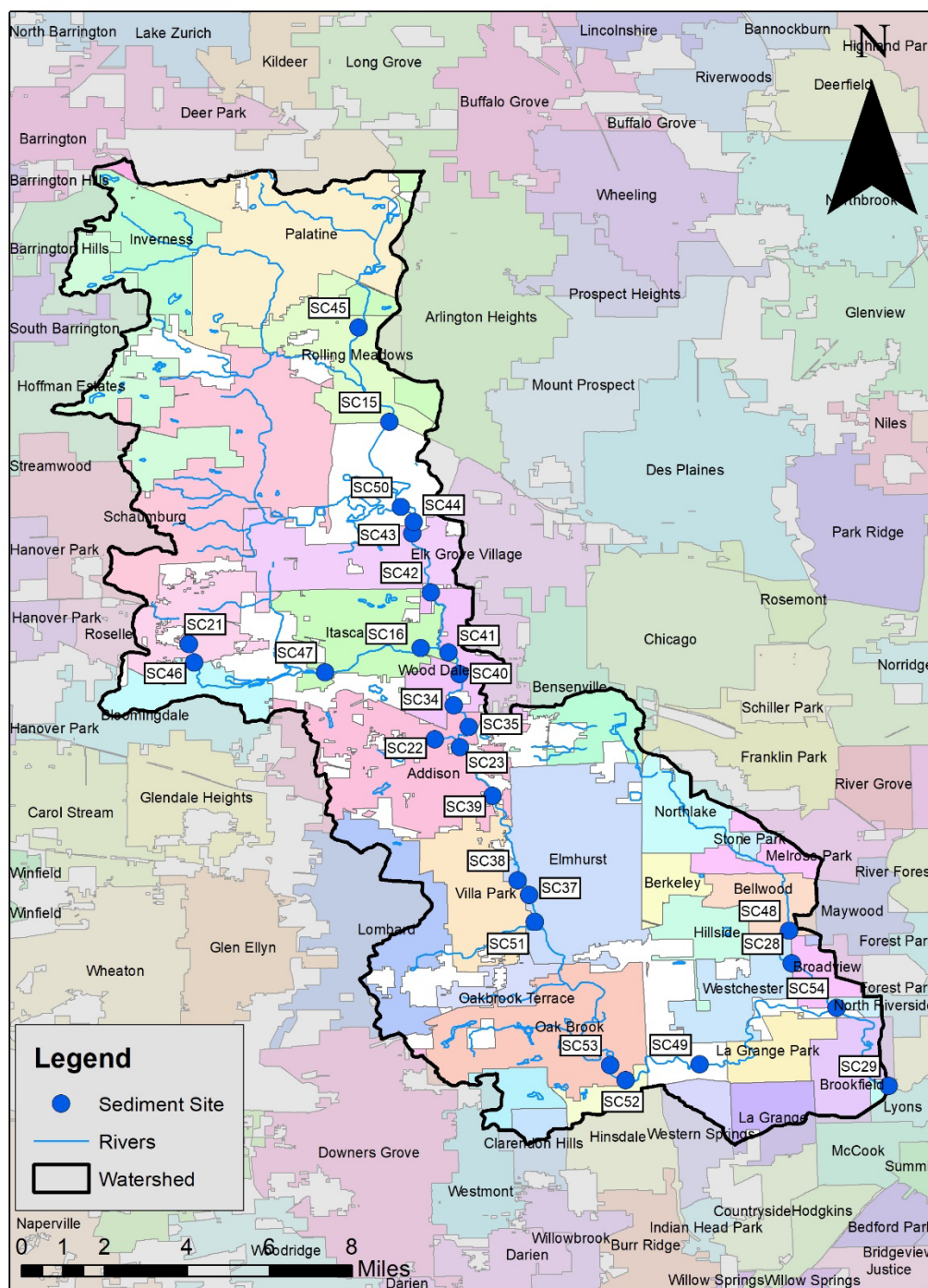
Map 1. Ambient chloride monitoring sites in the DRSCW watershed (2021)



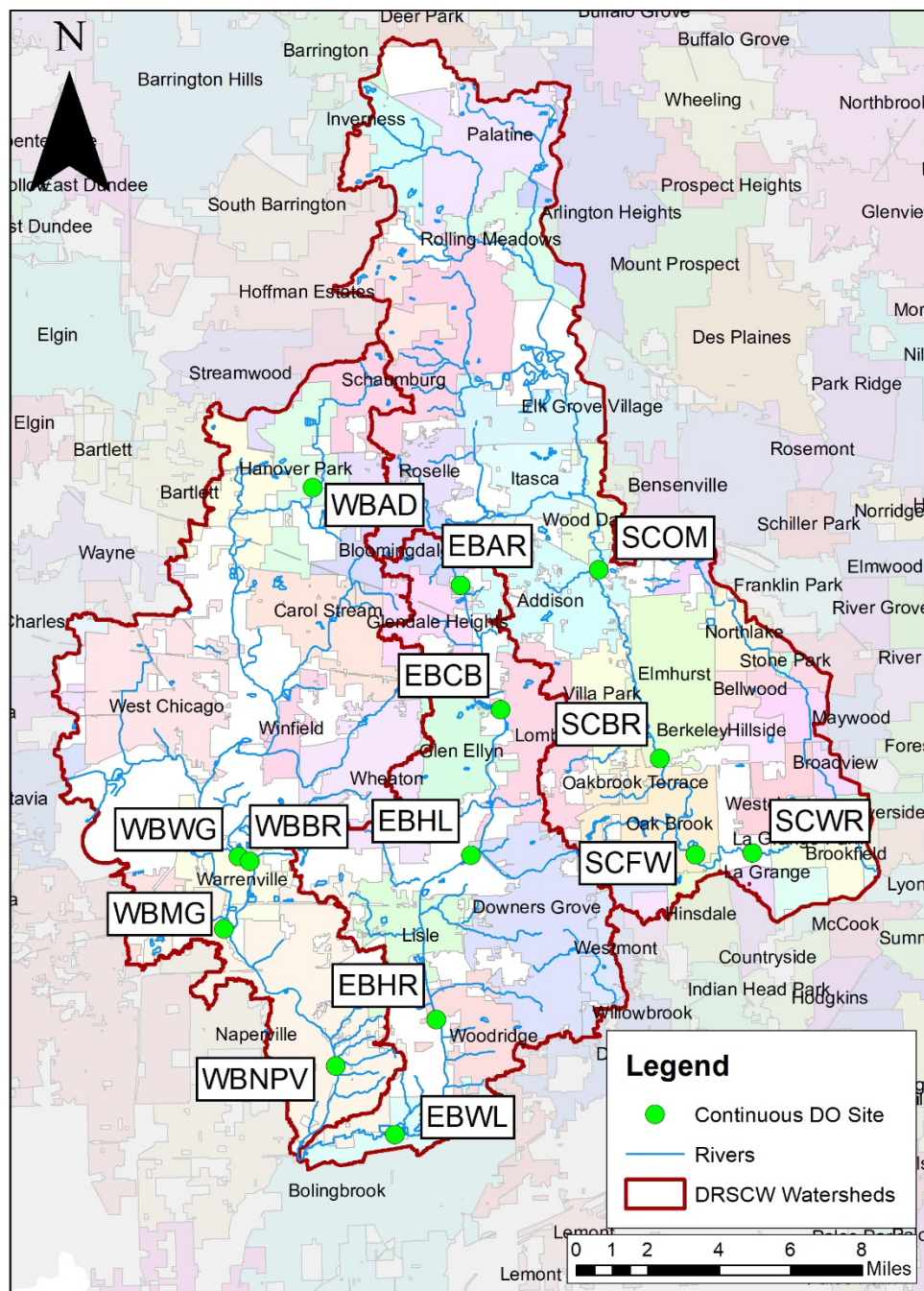
Map 2. Bioassessment sites in the West Branch DuPage River watershed (2020)



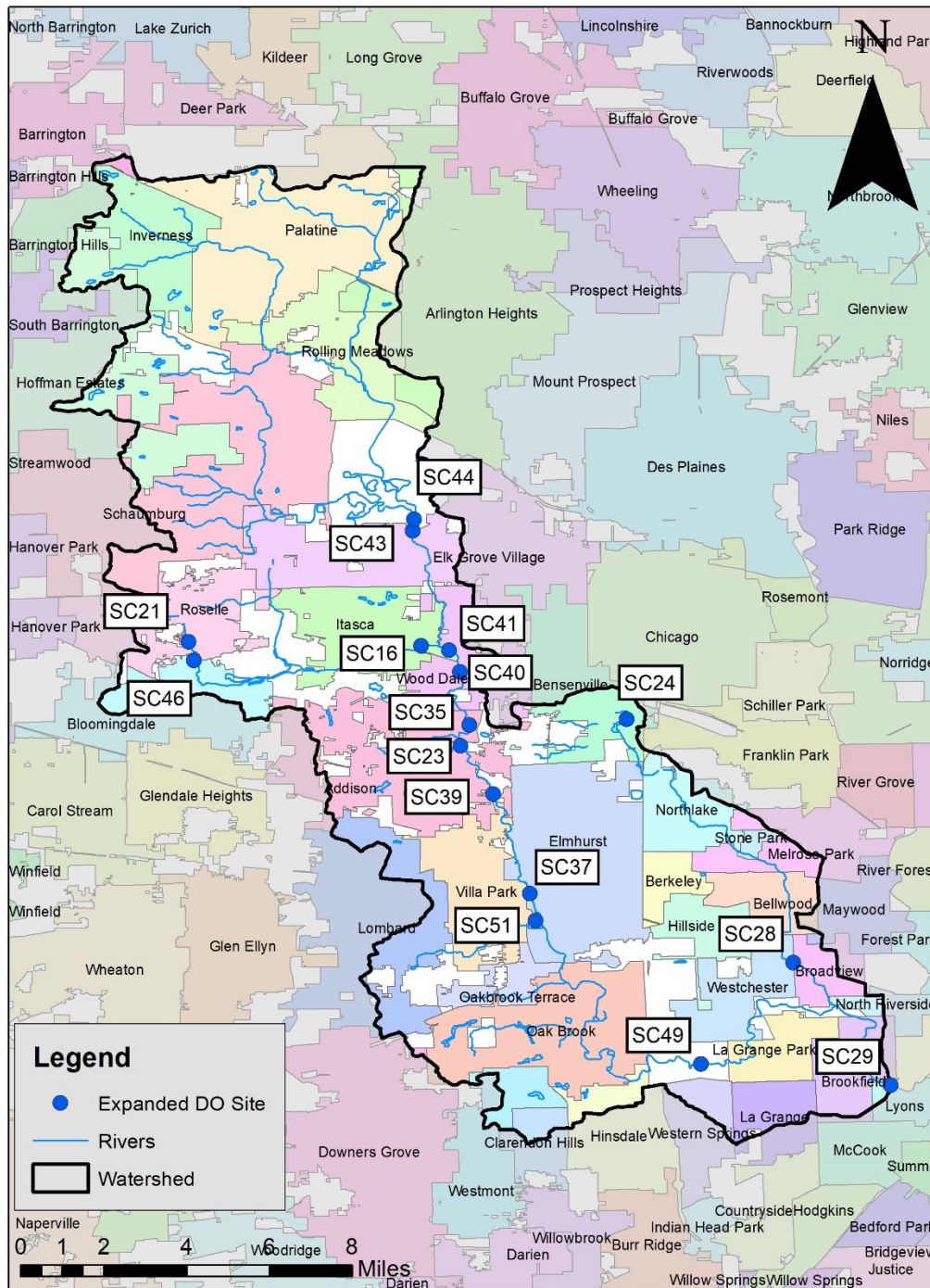
Map 3. Bioassessment sites in the Salt Creek watershed (2021)



Map 4. Sediment sampling sites in the Salt Creek watershed (2021)



Map 5. Continuous DO sampling sites in the DRSCW watershed (2021)



Map 6. Expanded DO sampling sites in the Salt Creek watershed (2021)

Attachment 1

2021 Public Roads Deicing Workshop
Attendees List

2021 Public Roads Deicing Workshop Attendees (organized by County)

Date	Workshop	Agency	County
Oct. 5, 2021	Public Roads Deicing Workshop	Boone County Highway Department	Boone County
Oct. 12, 2021	Public Roads Deicing Workshop	City of Des Plaines	Cook County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Riverside	Cook County
Oct. 5, 2021	Public Roads Deicing Workshop	City of Palos Heights	Cook County
Oct. 5, 2021	Public Roads Deicing Workshop	City of Des Plaines	Cook County
Oct. 5, 2021	Public Roads Deicing Workshop	City of Prospect Heights	Cook County
Oct. 5, 2021	Public Roads Deicing Workshop	Village of Hoffman Estates	Cook County
Oct. 5, 2021	Public Roads Deicing Workshop	Village of Lemont	Cook County
Oct. 5, 2021	Public Roads Deicing Workshop	Village Of Midlothian	Cook County
Oct. 5, 2021	Public Roads Deicing Workshop	Village of Palatine	Cook County
Oct. 5, 2021	Public Roads Deicing Workshop	Village of Palatine	Cook County
Oct. 5, 2021	Public Roads Deicing Workshop	Village of Streamwood Public Works	Cook County
Sept. 30, 2021	Public Roads Deicing Workshop	City of Des Plaines	Cook County
Sept. 30, 2021	Public Roads Deicing Workshop	Palatine Township Road District	Cook County
Sept. 30, 2021	Public Roads Deicing Workshop	Public Works	Cook County
Sept. 30, 2021	Public Roads Deicing Workshop	Village of Alsip Public Works	Cook County
Sept. 30, 2021	Public Roads Deicing Workshop	Village of Hoffman Estates Public Works	Cook County
Sept. 30, 2021	Public Roads Deicing Workshop	Village of Lemont	Cook County
Sept. 30, 2021	Public Roads Deicing Workshop	Village Of Midlothian	Cook County
Sept. 30, 2021	Public Roads Deicing Workshop	village of willow springs	Cook County
Sept. 30, 2021	Public Roads Deicing Workshop	Village of Winnetka	Cook County
Oct. 12, 2021	Public Roads Deicing Workshop	City of Warrenville	DuPage County
Oct. 12, 2021	Public Roads Deicing Workshop	DuPage County Division of Transportation	DuPage County
Oct. 12, 2021	Public Roads Deicing Workshop	DuPage County DOT	DuPage County
Oct. 12, 2021	Public Roads Deicing Workshop	Illinois Toll Highway Authority	DuPage County
Oct. 12, 2021	Public Roads Deicing Workshop	Illinois Tollway	DuPage County
Oct. 12, 2021	Public Roads Deicing Workshop	Milton Township Highway Department	DuPage County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Addison	DuPage County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Carol Stream	DuPage County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Glendale Heights	DuPage County
Oct. 12, 2021	Public Roads Deicing Workshop	Westmont Public Works	DuPage County
Oct. 12, 2021	Public Roads Deicing Workshop	Westmont Public Works	DuPage County
Oct. 12, 2021	Public Roads Deicing Workshop	Winfield Township Road District	DuPage County
Oct. 5, 2021	Public Roads Deicing Workshop	Bloomington Township	DuPage County
Oct. 5, 2021	Public Roads Deicing Workshop	City of Darien	DuPage County
Oct. 5, 2021	Public Roads Deicing Workshop	City of Warrenville	DuPage County
Oct. 5, 2021	Public Roads Deicing Workshop	City of West Chicago	DuPage County
Oct. 5, 2021	Public Roads Deicing Workshop	Downers Grove Township Highway Dept	DuPage County
Oct. 5, 2021	Public Roads Deicing Workshop	DuPage DOT	DuPage County
Oct. 5, 2021	Public Roads Deicing Workshop	Illinois Tollway	DuPage County
Oct. 5, 2021	Public Roads Deicing Workshop	Illinois Tollway	DuPage County
Oct. 5, 2021	Public Roads Deicing Workshop	Village of Carol Stream Public Works	DuPage County
Oct. 5, 2021	Public Roads Deicing Workshop	Village of Downers Grove	DuPage County
Oct. 5, 2021	Public Roads Deicing Workshop	Village of Glen Ellyn	DuPage County
Oct. 5, 2021	Public Roads Deicing Workshop	Wayne Township Road District	DuPage County
Oct. 5, 2021	Public Roads Deicing Workshop	west chicago	DuPage County
Oct. 5, 2021	Public Roads Deicing Workshop	York Township Highway Department	DuPage County
Sept. 30, 2021	Public Roads Deicing Workshop	Addison Township Highway Department	DuPage County
Sept. 30, 2021	Public Roads Deicing Workshop	City of West Chicago	DuPage County
Sept. 30, 2021	Public Roads Deicing Workshop	DuPage County Stormwater Management	DuPage County
Sept. 30, 2021	Public Roads Deicing Workshop	Highway Department	DuPage County
Sept. 30, 2021	Public Roads Deicing Workshop	Illinois Toll Highway Authority	DuPage County
Sept. 30, 2021	Public Roads Deicing Workshop	Illinois Tollway	DuPage County
Sept. 30, 2021	Public Roads Deicing Workshop	Village of Glen Ellyn	DuPage County
Oct. 12, 2021	Public Roads Deicing Workshop	Kane County Division of Transportation	Kane County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of East Dundee	Kane County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of South Elgin	Kane County
Oct. 5, 2021	Public Roads Deicing Workshop	Illinois Tollway	Kane County
Oct. 5, 2021	Public Roads Deicing Workshop	Illinois Tollway	Kane County
Oct. 5, 2021	Public Roads Deicing Workshop	Kane County Government	Kane County
Sept. 30, 2021	Public Roads Deicing Workshop	City of Batavia	Kane County

2021 Public Roads Deicing Workshop Attendees (organized by County)

Date	Workshop	Agency	County
Sept. 30, 2021	Public Roads Deicing Workshop	City of Geneva	Kane County
Sept. 30, 2021	Public Roads Deicing Workshop	Dundee Township road district	Kane County
Sept. 30, 2021	Public Roads Deicing Workshop	Village of North Aurora	Kane County
Sept. 30, 2021	Public Roads Deicing Workshop	Public works of Oswego	Kendall County
Sept. 30, 2021	Public Roads Deicing Workshop	Village of Oswego	Kendall County
Sept. 30, 2021	Public Roads Deicing Workshop	Village of Oswego	Kendall County
Sept. 30, 2021	Public Roads Deicing Workshop	Village of Oswego	Kendall County
Sept. 30, 2021	Public Roads Deicing Workshop	Village of Oswego	Kendall County
Sept. 30, 2021	Public Roads Deicing Workshop	Village of Oswego public works	Kendall County
Oct. 12, 2021	Public Roads Deicing Workshop	Ela Township Highway Department	Lake County
Oct. 12, 2021	Public Roads Deicing Workshop	Vernon Township Highway Department	Lake County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Gurnee Public Works	Lake County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Libertyville	Lake County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Lindenhurst	Lake County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Mundelein	Lake County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Vernon Hills	Lake County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Vernon Hills	Lake County
Oct. 5, 2021	Public Roads Deicing Workshop	Cuba Township Road District	Lake County
Oct. 5, 2021	Public Roads Deicing Workshop	Hainesville Public Works	Lake County
Oct. 5, 2021	Public Roads Deicing Workshop	Lake County Health Dept.	Lake County
Oct. 5, 2021	Public Roads Deicing Workshop	Village of Beach Park	Lake County
Oct. 5, 2021	Public Roads Deicing Workshop	Village of Fox Lake	Lake County
Oct. 5, 2021	Public Roads Deicing Workshop	Village of Hawthorn Woods	Lake County
Oct. 5, 2021	Public Roads Deicing Workshop	Village of Mundelein	Lake County
Oct. 5, 2021	Public Roads Deicing Workshop	village of Round lake Beach Illinois	Lake County
Oct. 5, 2021	Public Roads Deicing Workshop	village of vernon hills	Lake County
Oct. 5, 2021	Public Roads Deicing Workshop	Village Of Vernon Hills	Lake County
Sept. 30, 2021	Public Roads Deicing Workshop	Antioch Township Highway Department	Lake County
Sept. 30, 2021	Public Roads Deicing Workshop	Antioch Township Highway Department	Lake County
Sept. 30, 2021	Public Roads Deicing Workshop	Avon Township Highway Department	Lake County
Sept. 30, 2021	Public Roads Deicing Workshop	Libertyville Township	Lake County
Sept. 30, 2021	Public Roads Deicing Workshop	Vernon Hills High School District 128	Lake County
Sept. 30, 2021	Public Roads Deicing Workshop	Village of Barrington	Lake County
Sept. 30, 2021	Public Roads Deicing Workshop	Village of Lake Zurich	Lake County
Sept. 30, 2021	Public Roads Deicing Workshop	Village of Midlothian	Lake County
Sept. 30, 2021	Public Roads Deicing Workshop	Village of Mundelein	Lake County
Sept. 30, 2021	Public Roads Deicing Workshop	Illinois Tollway	Lee County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Cary	McHenry County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Huntley	McHenry County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Johnsburg	McHenry County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Port Barrington	McHenry County
Oct. 5, 2021	Public Roads Deicing Workshop	Village of Cary IL	McHenry County
Oct. 5, 2021	Public Roads Deicing Workshop	Village Of Spring Grove	McHenry County
Sept. 30, 2021	Public Roads Deicing Workshop	Algonquin Township Road District	McHenry County
Sept. 30, 2021	Public Roads Deicing Workshop	McHenry County Division of Transportation	McHenry County
Sept. 30, 2021	Public Roads Deicing Workshop	Marengo Community High School District 154	McHenry County
Oct. 5, 2021	Public Roads Deicing Workshop	Illinois Tollway	Various
Oct. 5, 2021	Public Roads Deicing Workshop	Illinois Tollway Authority	Various
Sept. 30, 2021	Public Roads Deicing Workshop	Illinois State Toll Highway Authority (ISTHA)	Various
Oct. 12, 2021	Public Roads Deicing Workshop	City of Joliet	Will County
Oct. 12, 2021	Public Roads Deicing Workshop	Joliet Junior College	Will County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Channahon	Will County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Channahon	Will County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Mokena	Will County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Mokena	Will County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Mokena	Will County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Mokena Streets Dept	Will County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Plainfield	Will County
Oct. 12, 2021	Public Roads Deicing Workshop	Village of Shorewood	Will County
Oct. 5, 2021	Public Roads Deicing Workshop	Village of Bolingbrook	Will County
Sept. 30, 2021	Public Roads Deicing Workshop	Village of Frankfort Public Works	Will County

2021 Public Roads Deicing Workshop Attendees (organized by County)

Date	Workshop	Agency	County
Sept. 30, 2021	Public Roads Deicing Workshop	Village of Romeoville - Public Works	Will County
Oct. 5, 2021	Public Roads Deicing Workshop	Winnebago County Highway Department	Winnebago County
Sept. 30, 2021	Public Roads Deicing Workshop	WINNEBAGO COUNTY HIGHWAT DEPT	Winnebago County
Sept. 30, 2021	Public Roads Deicing Workshop	Winnebago County Highway Department	Winnebago County
Sept. 30, 2021	Public Roads Deicing Workshop	Winnebago County Highway Department	Winnebago County
Sept. 30, 2021	Public Roads Deicing Workshop	Winnebago County Highway Department	Winnebago County

Attachment 2

2021 Parking Lots & Sidewalks
Deicing Workshop Attendees List

2021 Parking Lot Sidewalks Deicing Workshop Attendees (organized by County)

Date	Workshop	Agency	County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	City of Palos Heights	Cook County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	MWRD	Cook County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	MWRD	Cook County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	MWRD	Cook County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	MWRD	Cook County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	MWRDGC - Kirie WRP	Cook County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	Northbrook School District 28	Cook County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	School Dist. 225	Cook County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	Streamwood Park District	Cook County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	Village of Lemont	Cook County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	Village of Riverside	Cook County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Township District 214	Cook County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Village of Arlington Heights	Cook County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Village of Hoffman Estates	Cook County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Village of Hoffman Estates Public Works	Cook County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Village of Lemont	Cook County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	DuPage County	DuPage County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	Westmont Public Works	DuPage County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	Westmont Public Works	DuPage County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	wheaton sanitary district	DuPage County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	DuPage County Public Works	DuPage County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	DuPage County Stormwater	DuPage County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Village of Carol Stream	DuPage County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Village of Glen Ellyn	DuPage County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	School District U-46	Kane County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	BECO Management, Inc.	Lake County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	CHSD128 Libertyville High School	Lake County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	Deerfield Dist 109	Lake County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	Deerfield School District 109	Lake County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	JMR Landscaping	Lake County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	Mundelein Park and Recreation District	Lake County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	North shore school district 112	Lake County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	North Shore School District 112	Lake County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	Village of Hawthorn Woods	Lake County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	Village of Round Lake Beach	Lake County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Deerfield School District 109	Lake County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	North Shore District 112	Lake County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Northshore School District 112	Lake County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Northshore School District 112	Lake County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Vernon Hills School District 128	Lake County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Woodland CCSD 50	Lake County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Woodland CCSD#50	Lake County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Woodland CCSD50	Lake County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Woodland Dist.50	Lake County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Woodland District 50	Lake County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Woodland School District 50	Lake County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Woodland School District 50	Lake County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Crystal Lake Park District	McHenry
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	Algonquin Township Road District	McHenry County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	Crystal Lake Park District	McHenry County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	Huntley Community School District 158	McHenry County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	McHenry Community High School District 156	McHenry County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	Joliet Junior College	Will County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	Village of New Lenox	Will County
Oct. 7, 2021	Parking Lot & Sidewalks Deicing Workshop	Village of Romeoville	Will County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Joliet Junior College	Will County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Joliet Junior College	Will County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Village of Frankfort	Will County
Sept. 28, 20021	Parking Lot & Sidewalks Deicing Workshop	Village of Shorewood	Will County