



# DUPAGE COUNTY

STORMWATER MANAGEMENT

## Spill Response & Reporting

### When do I need to report a spill?

Any contact with or potential for release into a waterbody. If in doubt, report it! Connection to a waterbody can be through a storm sewer, ditch, or overland.



### What size spills need to be reported?

Any size if there is an imminent threat to waterbody.

### Who do I report a spill to?

Illinois EPA Spill 24-Hour Hotline:  
(800) 782-7860 or (217) 782-7860

DuPage County Stormwater Management  
24-Hour Hotline:  
(630) 407-6800



### What if the spill has already been reported by the first responder?

The responsible party must also self-report to the Illinois EPA.

### Need help containing, tracing and locating source?

Call DuPage County Stormwater Management for containment and absorbent supplies, as well as equipment for tracing and verifying cleanup.



**FOR MORE INFORMATION**  
[dupageco.org/swm](http://dupageco.org/swm)



# DUPAGE COUNTY

STORMWATER MANAGEMENT

## Emergency Release Notification Fact Sheet

DuPage County Stormwater Management (SWM) is relaying this information from the Illinois Emergency Management Agency regarding response to spills.

A. Immediate telephone notification shall be given by the owner or operator of a facility when a release equal to or exceeding the reportable quantity of an extremely hazardous substance(1) or a CERCLA hazardous substance(2) occurs at the facility. In such incidents, notifications are to be made to the following:

- 1) Illinois Emergency Management Agency (IEMA)/State Emergency Response Commission (SERC) at 1-800-782-7860 (within state) or (217) 782-7860 (when calling from out-of-state);
- 2) Local Emergency Planning Committee (LEPC) that is likely to be affected by the release. The LEPC telephone number(s) may be obtained from the IEMA Website at <http://www.illinois.gov/iema/Preparedness/SERC/Pages/default.aspx>.
- 3) National Response Center (NRC) at 1-800-424-8802 (if the substance is a CERCLA hazardous substance).

Please Note: Transportation-related incidents only require 9-1-1 notification.

B. Immediate telephone notification is also required if an incident or accident involving a hazardous material(3) occurs which results in:

- 1) a member of the general public is killed;
- 2) a member of the general public receives injuries requiring hospitalization;
- 3) an authorized official of an emergency agency recommends an evacuation of an area by the general public;
- 4) a motor vehicle has overturned on a public highway;
- 5) Fire, breakage, release or suspected contamination occurs involving an etiologic agent;
- 6) Any release of petroleum (or oil) that produces a sheen on nearby surface water(4) and/or threatens navigable waters;
- 7) Any spill or overflow of petroleum that results in a release to the environment that exceeds 25 gallons (25-gallon reporting threshold for USTs only)(4). ASTs are not subject to the 25-gallon spill reporting threshold in 41 IAC 176.340 but are subject to 29 IAC 430.



Daniel J. Cronin, DuPage County Board Chairman

421 N. County Farm Rd., Wheaton, IL 60187 | (630) 407-6700 | [www.dupageco.org/swm](http://www.dupageco.org/swm)



# DUPAGE COUNTY

## STORMWATER MANAGEMENT

In such incidents, notification shall be made as noted in Paragraph A, above, except no notification is required to the NRC, except items 6 and 7 (oil that impacts water and overfills emanating from underground storage tanks).

At a minimum, notification shall include:

- 1) the chemical name or identity of any substance involved in the release;
- 2) an indication of whether the substance is an extremely hazardous substance;
- 3) an estimate of the quantity in pounds of any such substance that was released into the environment;
- 4) the time and duration of the release;
- 5) the specific location of the release;
- 6) the medium or media (air, land, water) into which the release occurred;
- 7) any known or anticipated acute or chronic health risks associated with the emergency and, where appropriate, advice regarding medical attention necessary for exposed individuals;
- 8) proper precautions to take as a result of the release, including evacuations;
- 9) the name and telephone number of the person or persons to be contacted for further information.

C. WRITTEN FOLLOW-UP NOTICE IS REQUIRED WITH RESPECT TO INCIDENTS AS DESCRIBED IN PARAGRAPH A, ABOVE. As soon as practicable after such release (within 30 days), the owner or operator shall provide a written follow-up emergency notice (or notices, as more information becomes available) to the SERC and the LEPC, updating the information provided in the immediate notification and including additional information with respect to:

- 1) Actions taken to respond to and contain the release;
- 2) Any known or anticipated acute or chronic health risks associated with the release;
- 3) Where appropriate, advice regarding medical attention necessary for exposed individuals.

1 See 40 CFR 355 for a listing of extremely hazardous substances (EHS)

2 See 40 CFR 302.4 for a listing of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) hazardous substances

3 See 49 CFR 172.101 for a list of hazardous materials

4 See 41 IAC 176.340 Reporting and Cleanup of Spills and Overfills (USTs).

(These rules are compiled in 29 IAC 430 and 29 IAC 620)

Last updated 3/2018



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MARCH 2020 – FEBRUARY 2021

MS4 ANNUAL REPORT

ADDITIONAL ITEMS FROM PUBLIC WORKS/ ENV. SERVICES

**A. PUBLIC EDUCATION AND OUTREACH**

*(Nothing to report from PW/Environmental Services)*

**B. PUBLIC PARTICIPATION/INVOLVEMENT**

A public participation event took place on August 17th, 2020. The Village of Addison, in conjunction with Boy Scout Troop 410, conducted a local River Sweep event in Westwood Creek. We collected approximately 13, 30-gallon trash bags of debris from Westwood Creek. Our Environmental Services Division assisted in the coordination of the event as well the removal of debris. Our Public Works Streets Division disposed of all refuse.

**C. ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)**

The development of an illicit discharge detection and elimination (IDDE) program has been completed and a local IDDE manual has been submitted with the 2016 Notice of Intent. The IDDE program was fully implemented in March, 2008. The IDDE program includes a prioritization plan, outfall visual screening, monitoring program, tracing, enforcement, and reporting.

The Village of Addison had identified 122 outfalls, and each was visually inspected and the conditions recorded during the reporting period. All outfalls were normal, and records of the inspections are available for review in our office.

There were several investigations performed over the past year related to pollution in the storm sewer system and local streams:

- On 3/3/20, Environmental Services investigated an odor complaint coming from a storm water basin. The septic system at 19W640 Army Trail Rd. failed and sewage has saturated the backyard. The DuPage Co. Health Dept. has been notified and are working with the resident.
- On 5/18/20, Environmental Services received a complaint from the resident at 740 W Seventh Ave. The complaint was concerning the flooding issues brought, allegedly, about by the resident at 19W620 Byron. Community Development was notified and meetings will follow to determine a resolution to the problem.

- On 6/1/20, Environmental Services received a call from the EPA concerning a complaint against a company located at 300 W Fay. The company was inspected and no evidence was found of any illegal dumping. A spill control plan, as well as waste manifests to ensure compliance, were requested by the Village of Addison. The company was also warned that only storm water may enter our storm sewer system. Any semi-tractors washed on site must have containment for the wash water. Monitoring of the issue has continued.
- On 6/13/20, Environmental Services received was notified of an oil and grease spill at 1050 N Rohlwing Rd. The grease spill was caused by the business at 1070 N Rohlwing Rd. IPT personnel supervised the cleanup to ensure compliance with our storm water codes.
- In July 2020, flooding issues on Addison Rd. were investigated by Environmental Services. The area affected by flooding is directly in front of 875 Addison Rd. A missing restrictor in a storm water manhole owned by a company just south of the Addison city limits was identified. The company at 880 N Addison Rd. has been instructed by the Village of Villa Park to re-install the restrictor. The other cause of the flooding is the right of way located behind the businesses at 50 – 80 Fay. The renters of the property have paved the area with gravel thus creating large amounts of storm water runoff that travels to the east onto Addison Rd. causing flooding. We are working with all parties involved to quickly stop these flooding issues.
- On 9/1/20, Environmental Services was notified about a dig near 4N 242 6<sup>th</sup> St. The truck on-site leaked hydraulic fluid onto the street. IPT personnel covered the spill with oil absorbing materials and were able to remove the hydraulic fluid before entering the storm system.
- On 9/15/20, 1470 W Bernard Dr. was witnessed dumping their floor washings outside. Upon further investigation, the company was also draining their reverse osmosis water purification system outside. The company was informed of the penalties for their illegal discharges and have since, ceased.
- On 10/14/20, two power poles, one containing a transformer, were knocked down at Lombard and Woodland by a semi-truck. The transformer leaked oil onto the road. The oil was cleaned up without any oil leaking into the storm system.
- On 12/7/20, the resident at 4N153 Catalpa received a “cease and desist” letter and was given 30 days discontinue discharging raw sewage into the storm system by fixing their septic tank or providing the proper paperwork necessary for annexation and permits to request access to Village utilities. The resident is in the process of submitting paperwork and payment to Community Development to annex into the Village.
- On 2/10/21, a garbage truck had a hydraulic fluid leak on Church, Natoma, May, and Army Trail. IPT personnel inspected the spill. The contractor was contacted and informed

to return to the site to properly clean the spill. The contractor responded and completed the work.

- On 2/16/21, the Addison Fire Department requested Environmental Services at 100 W. Lake St. IPT personnel responded to a diesel spill caused by a punctured saddle tank on the side of a truck. The driver called Maximum Towing and Recovery for a clean-up in the parking lot. Hazchem responded to vacuum out the storm basins and to place booms in the storm water manholes. IPT personnel remained on site to ensure compliance.

Finally, the Village also performed periodic grab sampling and analysis at 21 of the 121 outfall points. A total of 61 screening samples were collected and 462 different field analyses were performed. Parameters tested included Metals, D.O., Temperature, Ammonia, Nitrate, Phosphate, Turbidity and pH. A summary of the monitoring data collected is attached in Section C. There were no high levels reported during the testing.

## **F. POLLUTION PREVENTION/GOOD HOUSEKEEPING**

A training session on storm water pollution prevention was held with Public Works employees on June 10, 2020 virtually due to COVID-19. The training focused on Pollution Prevention training for MS4 communities and was hosted by DuPage County Stormwater Management.

A training session was held on December 11, 2020 for our Streets Dept. The session was focused on the deicing of public roads and chloride reduction in our streams.

The annual public meeting was held on February 18, 2021 virtually due to COVID-19

A summary of the reportable data for several of the municipal activities is as follows:  
(Next page)

**ANNUAL MS4 REPORT – MUNICIPAL OPERATIONS REPORT  
TIME PERIOD: MARCH 1, 2020 TO FEBRUARY 28, 2021**

Street Sweeping (Minimum Control F.3):

4,860 Curb miles cleaned

5,400 Tons of debris removed from streets

Salt Usage (Minimum Control F.3):

3,045 Tons of salt used

11 Number of snow events (2" or greater)

9 Number of ice events

277 Tons of salt used per event

Sewer Catch Basin Cleaning (Minimum Control F.3):

482 # of Storm Sewer Catch Basins/Inlets cleaned and pumped (out of 2200)

160 # of Combined Sewer Catch Basins/Inlets cleaned and pumped (out of 160)

Training (Minimum Control F.1):

√ Completed Pollution Prevention training for MS4 communities employees (Date: 6-10-20)

√ Completed annual Salt Usage/Salt Loading training (Date: 12-11-20)

√ Completed annual Public Meeting (Date: 2-18-21)

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

(See attached)



LOCATION: **18" SOUTH OF FULLERTON**

		PHYS.		TEMP	DIS. OXY.	COPPER	ZINC	NITRATE	PHOS	CHROME	Last 24 hrs	Last 24 hrs	Last 24 hrs
<u>DATE</u>	<u>TIME</u>	<u>COND.</u>	<u>pH</u>	<u>(C°)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>HIGH TEMP.</u>	<u>LOW TEMP.</u>	<u>PRECIP.</u>
4/8/20	10:30AM	NF									74.0	56.0	0.50
5/11/20	2:55PM	NF									51.0	41.0	0.25
6/16/20	1:50PM	NF									85.0	65.0	0.00
7/21/20	2:30PM	NF									82.0	76.0	0.00
<b>MAX</b>											85.0	76.0	0.50
<b>AVG.</b>											73.0	59.5	0.19
<b>MIN</b>											51.0	41.0	0.00

N-Normal      NF- No Flow      S-Sheen      F-Foam      C-Colored



LOCATION: **24" LAKE STREET**

		PHYS.		TEMP	DIS. OXY.	COPPER	ZINC	PHOS	NH4	Last 24 hrs	Last 24 hrs	Last 24 hrs
<u>DATE</u>	<u>TIME</u>	<u>COND.*</u>	<u>pH</u>	<u>(C°)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>HIGH TEMP.</u>	<u>LOW TEMP.</u>	<u>PRECIP.</u>
4/7/20	2:45PM	NF								80.0	51.0	0.00
5/11/20	10:40AM	N	7.63	22.3	5.43	0.04	0.16	170.0	0.03	51.0	41.0	0.25
6/9/20	2:00PM	NF								89.0	70.0	0.00
7/21/20	3:15PM	NF								82.0	76.0	0.00
<b>MAX</b>			7.63	22.3	5.43	0.04	0.16	170.0	0.03	89.0	76.0	0.25
<b>AVG.</b>			7.63	22.3	5.43	0.04	0.16	170.0	0.03	75.5	59.5	0.06
<b>MIN</b>			7.63	22.3	5.43	0.04	0.16	170.0	0.03	51.0	41.0	0.00

N-Normal      NF- No Flow      S-Sheen      F-Foam      C-Colored



LOCATION: 36" @333 VILLA (AJL)

		PHYS.		TEMP	DIS. OXY.	COPPER	ZINC	PHOS	Last 24 hrs	Last 24 hrs	Last 24 hrs
<u>DATE</u>	<u>TIME</u>	<u>COND.*</u>	<u>pH</u>	<u>(C°)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>HIGH TEMP.</u>	<u>LOW TEMP.</u>	<u>PRECIP.</u>
4/29/20	9:00AM	N	7.84	10.2	7.55	0.05	0.12	68.0	61.0	43.0	0.52
5/11/20	2:35PM	N	7.34	11.2	9.45	0.03	0.16	89.0	51.0	41.0	0.25
6/9/20	10:10AM	N	7.71	23.9	5.27	0.04	0.09	144.0	89.0	70.0	0.00
8/19/20	9:00AM	N	7.83	28.7	4.60	0.07	0.10	40.0	82.0	63.0	0.00
<b>MAX</b>			7.84	28.7	9.45	0.07	0.16	144.0	89.0	70.0	0.52
<b>AVG.</b>			7.68	18.5	6.72	0.05	0.12	85.3	70.8	54.3	0.19
<b>MIN</b>			7.34	10.2	4.60	0.03	0.09	40.0	51.0	41.0	0.00

N-Normal      NF- No Flow      S-Sheen      F-Foam      C-Colored



LOCATION: **42" SOUTH OF CHERRY**

		PHYS.		TEMP	DIS. OXY.	COPPER	ZINC	NITRATE	PHOS	NH3	Last 24 hrs	Last 24 hrs	Last 24 hrs
<u>DATE</u>	<u>TIME</u>	<u>COND.*</u>	<u>pH</u>	<u>(C°)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>HIGH TEMP.</u>	<u>LOW TEMP.</u>	<u>PRECIP.</u>
4/8/20	10:15AM	N	7.86	12.2	7.58	0.16	0.59	2.00	16.0	0.03	74.0	56.0	0.50
5/26/20	1:00PM	N	7.36	21.4	5.67	0.01	0.20	0.00	178.0	0.03	92.0	68.0	0.00
6/17/20	10:10AM	NF									86.0	65.0	0.00
8/19/20	9:40 AM	NF									82.0	63.0	0.00
<b>MAX</b>			7.86	21.4	7.58	0.16	0.59	2.00	178.0	0.03	92.0	68.0	0.50
<b>AVG.</b>			7.61	16.8	6.63	0.09	0.40	1.00	97.0	0.03	83.5	63.0	0.13
<b>MIN</b>			7.36	12.2	5.67	0.01	0.40	0.00	16.0	0.03	74.0	56.0	0.00

N-Normal    NF- No Flow    S-Sheen    F-Foam    C-Colored



LOCATION: **48" ADDISON & LORRAINE**

<u>Date</u>	<u>Time</u>	<u>Cond</u>	<u>pH</u>	<u>Temp (C°)</u>	<u>D.O. (Mg/L)</u>	<u>Copper (Mg/L)</u>	<u>Zinc (Mg/L)</u>	<u>Phos (Mg/L)</u>	<u>Chrome (Mg/L)</u>	<u>Last 24 hrs High Temp</u>	<u>Last 24 hrs Low Temp</u>	<u>Last 24 hrs Precip</u>
4/8/20	10:00AM	N	7.34	12.7	8.20	0.08	0.13	12.8	0.14	74.0	56.0	0.50
5/20/20	1:00PM	N	8.08	16.7	8.45	0.08	0.22	33.0	0.04	65.0	54.0	0.11
6/15/20	11:00AM	N	7.57	17.3	7.21	1.22*	0.09	162.0	0.01	73.0	52.0	0.00
8/18/20	1:00PM	NF								77.0	68.0	0.00
<b>MAX</b>			8.08	17.3	8.45	0.08	0.22	162.0	0.14	77.0	68.0	0.50
<b>AVG.</b>			7.66	15.6	7.95	0.08	0.15	69.3	0.06	72.3	57.5	0.15
<b>MIN</b>			7.34	12.7	7.21	0.08	0.09	12.8	0.01	65.0	52.0	0.15

N-Normal      NF- No Flow      S-Sheen      F-Foam      C-Colored

\* NO COLOR CHANGE TEST CLOUDY



LOCATION: **54" ADDISON & ARMITAGE**

<u>Date</u>	<u>Time</u>	<u>Cond</u>	<u>pH</u>	<u>Temp</u> <u>(C°)</u>	<u>D.O.</u> <u>(Mg/L)</u>	<u>Copper</u> <u>(Mg/L)</u>	<u>Zinc</u> <u>(Mg/L)</u>	<u>Phos</u> <u>(Mg/L)</u>	<u>Last 24 hrs</u> <u>High Temp</u>	<u>Last 24 hrs</u> <u>Low Temp</u>	<u>Last 24 hrs</u> <u>Precip</u>
4/28/20	1:00PM	NF							75.0	48.0	0.16
5/11/20	10:20AM	N	8.25	12.5	8.57	0.05	0.01	62.00	51.0	41.0	0.25
6/15/20	11:10AM	NF							73.0	52.0	0.00
8/18/20	10:35AM	NF							77.0	68.0	0.00
<b>MAX</b>			8.25	12.5	8.57	0.05	0.01	62.00	77.0	68.0	0.25
<b>AVG.</b>			8.25	12.5	8.57	0.05	0.01	62.00	69.0	52.3	0.10
<b>MIN</b>			8.25	12.5	8.57	0.05	0.01	62.00	51.0	41.0	0.00

N-Normal    NF- No Flow    S-Sheen    F-Foam    C-Colored



LOCATION: **72" ODEUM**

<u>Date</u>	<u>Time</u>	<u>Cond</u>	<u>pH</u>	<u>Temp</u> <u>(C°)</u>	<u>D.O.</u> <u>(Mg/L)</u>	<u>Copper</u> <u>(Mg/L)</u>	<u>Zinc</u> <u>(Mg/L)</u>	<u>Nitrate</u> <u>(Mg/L)</u>	<u>Phos</u> <u>(Mg/L)</u>	<u>Last 24 hrs</u> <u>High Temp</u>	<u>Last 24 hrs</u> <u>Low Temp</u>	<u>Last 24 hrs</u> <u>Precip</u>
4/7/20	3:00PM	NF								80.0	51.0	0.00
5/11/20	2:55PM	N	7.85	11.9	8.15	0.02	0.13	0.00	38.00	51.0	41.0	0.25
6/15/20	2:10PM	N	7.95	24.4	7.95	0.10	0.52*	0.00	162.00	73.0	52.0	0.00
8/17/20	1:30PM	N	7.72	25.6	8.90	0.06	0.14	0.00	0.37	85.0	70.0	0.00
<b>MAX</b>			7.95	25.6	8.90	0.10	0.14	0.00	162.00	85.0	70.0	0.25
<b>AVG.</b>			7.84	20.6	8.33	0.06	0.14	0.00	66.79	72.3	53.5	0.06
<b>MIN</b>			7.72	11.9	7.95	0.02	0.13	0.00	0.37	51.0	41.0	0.00

N-Normal      NF- No Flow      S-Sheen      F-Foam      C-Colored

\* TEST CLOUDY NO COLOR CHANGE



LOCATION: **CENTENNIAL POND**

<u>Date</u>	<u>Time</u>	<u>Cond</u>	<u>pH</u>	<u>Temp (C°)</u>	<u>D.O. (Mg/L)</u>	<u>Copper (Mg/L)</u>	<u>Zinc (Mg/L)</u>	<u>Nitrate (Mg/L)</u>	<u>Phos (Mg/L)</u>	<u>Algae %</u>	<u>Last 24 hrs High Temp</u>	<u>Last 24 hrs Low Temp</u>	<u>Last 24 hrs Precip</u>
4/27/20	8:00AM	N	7.81	10.8	9.75	0.12	0.07	0.00	74.00	0.0%	67.0	40.0	0.10
5/17/20	2:00PM	N	7.95	25.5	9.10	0.04	0.15	0.00	56.00	0.0%	68.0	53.0	1.15
6/8/20	9:45AM	N	7.70	24.2	5.67	0.05	0.21	0.00	62.00	0.0%	90.0	62.0	0.00
8/12/20	11:00AM	N	8.10	25.4	7.0	0.05	0.28	0.50	49.00		86.0	64.0	0.00
<b>MAX</b>			8.10	25.5	9.8	0.12	0.28	0.50	74.00	0.0%	90.0	64.0	1.15
<b>AVG.</b>			7.89	21.5	7.9	0.07	0.18	0.50	60.25	0.0%	77.8	54.8	0.31
<b>MIN</b>			7.70	10.8	5.7	0.04	0.07	0.50	49.00	0.0%	67.0	40.0	0.00

N-Normal      NF- No Flow      S-Sheen      F-Foam      C-Colored



LOCATION: **DAVEA POND**

<u>Date</u>	<u>Time</u>	<u>Cond</u>	<u>pH</u>	<u>Temp (C°)</u>	<u>D.O. (Mg/L)</u>	<u>Copper (Mg/L)</u>	<u>Zinc (Mg/L)</u>	<u>Nitrate (Mg/L)</u>	<u>Phos (Mg/L)</u>	<u>Algae %</u>	<u>Last 24 hrs High Temp</u>	<u>Last 24 hrs Low temp</u>	<u>Last 24 hrs Precip</u>
4/6/20	1:50PM	N	8.06	13.8	14.20	0.01	0.35	0.00	16.60	0.0%	64.0	35.0	0.00
5/17/20	9:00AM	N	8.09	14.9	12.45	0.01	0.12	0.00	20.00	5.0%	68.0	53.0	1.15
6/8/20	9:54AM	N	8.36	24.7	7.52	0.01	0.13	0.00	164.00	5.0%	90.0	62.0	0.00
7/23/20	9:20AM	N	8.03	24.2	4.03	0.03	0.16	0.00	29.50	30.0%	81.0	73.0	0.00
<b>MAX</b>			8.36	24.7	14.20	0.03	0.35	0.00	164.00	30.0%	90.0	73.0	1.15
<b>AVG.</b>			8.14	19.4	9.55	0.02	0.19	0.00	57.53	10.0%	75.8	55.8	0.29
<b>MIN</b>			8.03	13.8	4.03	0.01	0.12	0.00	16.60	0.0%	64.0	35.0	0.00

N-Normal      NF- No Flow      S-Sheen      F-Foam      C-Colored



LOCATION **DIVERSEY AVE PUMP STATION**

<u>Date</u>	<u>Time</u>	<u>Cond</u>	<u>pH</u>	<u>Temp</u> <u>(C°)</u>	<u>D.O.</u> <u>(Mg/L)</u>	<u>Copper</u> <u>(Mg/L)</u>	<u>Zinc</u> <u>(Mg/L)</u>	<u>Phos</u> <u>(Mg/L)</u>	<u>Last 24 hrs</u> <u>High Temp</u>	<u>Last 24 hrs</u> <u>Low Temp</u>	<u>Last 24 hrs</u> <u>Precip</u>
4/8/2020	2:10 PM	N	8.12	14.4	9.89	0.30	0.08	12.8	74.0	56.0	0.50
4/30/20	9:30AM	N	8.28	10.2	9.03	0.05	0.16	78.0	55.0	43.0	0.25
6/9/20	1:50PM	NF							89.0	70.0	0.00
7/14/20	10:45AM	NF							85.0	77.0	0.00
<b>MAX</b>			8.28	14.4	9.89	0.30	0.16	78.0	89.0	77.0	0.50
<b>AVG.</b>			8.20	12.3	9.46	0.18	0.12	45.4	75.8	61.5	0.19
<b>MIN</b>			8.12	10.2	9.03	0.05	0.08	12.8	55.0	43.0	0.00

N-Normal      NF- No Flow      S-Sheen      F-Foam      C-Colored



LOCATION: **FULLERTON AT FAIRBANK**

<u>Date</u>	<u>Time</u>	<u>Cond</u>	<u>pH</u>	<u>Temp</u> (C°)	<u>D.O.</u> (Mg/L)	<u>Copper</u> (Mg/L)	<u>Zinc</u> (Mg/L)	<u>Phos</u> (Mg/L)	<u>Last 24 hrs</u> <u>High Temp</u>	<u>Last 24 hrs</u> <u>Low Temp</u>	<u>Last 24 hrs</u> <u>Precip</u>
4/27/20	2:10PM	N	8.15	12.9	11.75	0.09	0.04	15.6	67.0	40.0	0.10
5/11/20	9:10AM	N	8.09	9.3	9.60	0.01	0.36	118.0	51.0	41.0	0.25
6/16/20	2:10PM	N	7.82	19.7	6.68	0.20	0.04	58.0	85.0	65.0	0.00
8/25/20	9:55AM	N	7.68	23.1	5.55	0.06	0.04	24.0	89.0	73.0	0.03
<b>MAX</b>			8.15	23.1	11.75	0.20	0.36	118.0	89.0	73.0	0.25
<b>AVG.</b>			7.94	16.3	8.40	0.09	0.12	53.9	73.0	54.8	0.10
<b>MIN</b>			7.68	9.3	5.55	0.01	0.04	15.6	51.0	40.0	0.13

N-Normal      NF- No Flow      S-Sheen      F-Foam      C-Colored



LOCATION: **FULLERTON @ STEWART**

<u>Date</u>	<u>Time</u>	<u>Cond</u>	<u>pH</u>	<u>Temp (C°)</u>	<u>D.O. (Mg/L)</u>	<u>Copper (Mg/L)</u>	<u>Zinc (Mg/L)</u>	<u>Nitrate (Mg/L)</u>	<u>Phos (Mg/L)</u>	<u>Last 24 hrs High Temp</u>	<u>Last 24 hrs Low Temp</u>	<u>Last 24 hrs Precip</u>
4/28/20	N	9:45AM	7.73	13.6	6.26	0.07	0.07	0.00	96.0	75.0	48.0	0.90
5/20/20	N	2:00PM	6.34	16.6	3.60	0.04	0.16	0.00	33.0	65.0	54.0	0.11
6/17/20	N	2:30PM	7.15	25.1	4.44	0.05	0.01	0.00	158.0	86.0	65.0	0.00
<b>MAX</b>			7.73	25.1	6.26	0.07	0.16	0.00	158.0	86.0	65.0	0.90
<b>AVG.</b>			7.07	18.4	4.77	0.05	0.08	0.00	95.7	75.3	55.7	0.34
<b>MIN</b>			6.34	13.6	3.60	0.04	0.01	0.00	33.0	65.0	48.0	0.00

N-Normal      NF- No Flow      S-Sheen      F-Foam      C-Colored



LOCATION: **HAMPTON**

				Temp	D.O.	Copper	Zinc	Nitrate	Phos	Last 24 hrs	Last 24 hrs	Last 24 hrs
Date	Time	Cond	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	High Temp	Low Temp	Precip
4/7/20	9:55 AM	N	7.34	16.2	7.35	0.06	0.07	0.00	16.0	80.0	51.0	0.00
5/17/20	2:50PM	N	7.78	20.7	7.76	0.11	0.14	0.00	46.0	68.0	53.0	1.15
6/11/20	10:45AM	N	8.09	23.2	6.96	0.04	0.03	0.00	120.0	81.0	59.0	0.00
7/29/20	10:30AM	N	7.93	25.7	2.88	0.03	0.35	0.00	75.0	89.0	73.0	0.00
<b>MAX</b>			8.09	25.7	7.76	0.11	0.35	0.00	120.0	89.0	73.0	1.15
<b>AVG.</b>			7.79	21.5	6.24	0.06	0.15	0.00	64.3	79.5	59.0	0.29
<b>MIN</b>			7.34	16.2	2.88	0.03	0.03	0.00	16.0	68.0	51.0	0.00

N-Normal      NF- No Flow      S-Sheen      F-Foam      C-Colored

\*\* no color change

7/11/2019 NF \*\*\*      Pond Sample



LOCATION: LAKE MANOR POND

				Temp	D.O.	Copper	Zinc	NH3	Phos	Algae	Last 24 hrs	Last 24 hrs	Last 24 hrs
Date	Time	Cond	pH	(C°)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	(Mg/L)	%	High Temp	Low Temp	Precip
4/27/20	09:50AM	N	7.71	11.4	11.60	0.05	0.04	0.03	22.00	0.0%	67.0	40.0	0.10
5/8/20	10:30AM	N	7.46	16.9	8.74	0.06	0.01	0.03	22.00	0.0%	45.0	35.0	0.00
6/10/20	10:55AM	N	8.19	22.2	5.72	0.05	0.08	0.03	176.00	15.0%	83.0	62.0	0.56
7/22/20	3:30PM	N	7.45	26.1	2.71	0.01	0.15	0.05	16.50	0.0%	87.0	78.0	0.03
<b>MAX</b>			8.19	26.1	11.60	0.06	0.15	0.05	176.00	15.0%	87.0	78.0	0.56
<b>AVG.</b>			7.70	19.2	7.19	0.04	0.07	0.04	59.13	3.8%	70.5	53.8	0.17
<b>MIN</b>			7.45	11.4	2.71	0.01	0.01	0.03	16.50	0.0%	45.0	35.0	0.00

N-Normal      NF- No Flow      S-Sheen      F-Foam      C-Colored

\*\* Pond water is orange colored by the bridge. Color due to harmless Fe bacteria. Pockets of oily orange slime.



LOCATION: **MYRIC AVE. PUMP STATION**

				Temp	D.O.	Copper	Zinc	Nitrate	Phos	Chrome	Last 24 hrs	Last 24 hrs	Last 24 hrs
<u>Date</u>	<u>Time</u>	<u>Cond</u>	<u>pH</u>	<u>(C°)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>High Temp</u>	<u>Low Temp</u>	<u>Precip</u>
4/7/20	2:35PM	NF									80.0	51.0	0.00
5/8/20	9:30AM	NF									45.0	35.0	0.00
6/9/20	1:50PM	NF									89.0	70.0	0.00
7/14/20	11:00AM	NF									85.0	77.0	0.00
<b>MAX</b>											89.0	77.0	0.00
<b>AVG.</b>											74.8	58.3	0.00
<b>MIN</b>											45.0	35.0	0.00

N-Normal    NF- No Flow    S-Sheen    F-Foam    C-Colored



LOCATION: **OPUS POND EFFLUENT**

<u>Date</u>	<u>Time</u>	<u>Cond</u>	<u>pH</u>	<u>Temp (C°)</u>	<u>D.O. (Mg/L)</u>	<u>Copper (Mg/L)</u>	<u>Zinc (Mg/L)</u>	<u>Nitrate (Mg/L)</u>	<u>Phos (Mg/L)</u>	<u>Algae %</u>	<u>Last 24 hrs High Temp</u>	<u>Last 24 hrs Low Temp</u>	<u>Last 24 hrs Precip</u>
4/6/20	2:35PM	N	8.03	13.8	14.20	0.01	0.35	0.00	16.60	0.0%	64.0	35.0	0.00
5/17/20	10:00AM	N	8.32	13.8	9.70	0.03	0.09	0.00	26.00	5.0%	68.0	53.0	1.15
6/5/20	10:00AM	N	8.01	26.3	6.82	0.06	0.16	0.00	56.00	10.0%	89.0	70.0	0.00
7/23/20	10:00AM	N	9.87	29.5	13.19	0.01	0.15	0.50	22.50	40.0%	81.0	73.0	0.00
<b>MAX</b>			9.87	29.5	14.20	0.06	0.35	0.50	56.00	40.0%	89.0	73.0	1.15
<b>AVG.</b>			8.56	20.9	10.98	0.03	0.19	0.13	30.28	13.8%	75.5	57.8	0.29
<b>MIN</b>			8.01	13.8	6.82	0.01	0.09	0.25	16.60	0.0%	64.0	35.0	0.00

N-Normal    NF- No Flow    S-Sheen    F-Foam    C-Colored



LOCATION: **REPUBLIC CURVE**

				Temp	D.O.	Copper	Zinc	Phos	Last 24 hrs	Last 24 hrs	Last 24 hrs
<u>Date</u>	<u>Time</u>	<u>Cond</u>	<u>pH</u>	<u>(C°)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>High Temp</u>	<u>Low Temp</u>	<u>Precip</u>
4/28/20	9:55AM	N	8.00	12.8	7.60	0.05	0.16	148.00	75.0	48.0	0.90
5/12/20	2:00PM	N	7.60	12.1	7.30	0.08	0.14	104.00	62.0	41.0	0.00
6/11/20	10:15AM	N	6.98	19.4	5.09	0.08	0.01	146.00	81.0	59.0	0.00
8/17/20	9:35AM	N	7.37	21.8	5.20	0.01	0.48	87.00	85.0	70.0	0.00
<b>MAX</b>			8.00	21.8	7.60	0.08	0.48	148.00	85.0	70.0	0.90
<b>AVG.</b>			7.49	16.5	6.30	0.06	0.20	121.25	75.8	54.5	0.23
<b>MIN</b>			6.98	12.1	5.09	0.01	0.01	87.00	62.0	41.0	0.00

N - Normal      NF - No Flow      S - Sheen      F - Foam      C - Colored



LOCATION: **STEWART POND EFFLUENT**

<u>Date</u>	<u>Time</u>	<u>Cond</u>	<u>pH</u>	<u>Temp</u> <u>(C°)</u>	<u>D.O.</u> <u>(Mg/L)</u>	<u>Copper</u> <u>(Mg/L)</u>	<u>Zinc</u> <u>(Mg/L)</u>	<u>Phos</u> <u>(Mg/L)</u>	<u>Algae</u> <u>%</u>	<u>Last 24 hrs</u> <u>High Temp</u>	<u>Last 24 hrs</u> <u>Low Temp</u>	<u>Last 24 hrs</u> <u>Precip</u>
4/28/20	10:30AM	N	7.72	16.6	8.05	0.03	0.03	0.29	0.0%	75.0	48.0	0.90
5/11/20	3:10PM	N	7.44	17.1	9.86	0.03	0.41	70.00	0.0%	51.0	41.0	0.20
6/5/20	9:05AM	N	7.91	25.4	4.91	0.02	0.08	124.00	0.0%	89.0	70.0	0.00
7/16/20	9:35AM	N	7.37	21.8	3.51	0.01	0.28	34.50	0.0%	85.0	68.0	0.46
<b>MAX</b>			7.91	25.4	9.86	0.03	0.41	124.00	0.0%	89.0	70.0	0.90
<b>AVG.</b>			7.61	20.2	6.58	0.02	0.20	57.20	0.0%	75.0	56.8	0.39
<b>MIN</b>			7.37	16.6	3.51	0.01	0.03	0.29	0.0%	51.0	41.0	0.00

N - Normal      NF - No Flow      S - Sheen      F - Foam      C - Colored      A - Algae and % of Pond



LOCATION: **WESTWOOD @ HOLTZ**

				Temp	D.O.	Copper	Zinc	Nitrate	Phos	NH3	Last 24 hrs	Last 24 hrs	Last 24 hrs
<u>Date</u>	<u>Time</u>	<u>Cond</u>	<u>pH</u>	<u>(C°)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>(Mg/L)</u>	<u>High Temp</u>	<u>Low Temp</u>	<u>Precip</u>
4/27/20	1:40PM	N	8.06	14.1	9.19	0.12	0.12	0.00	14.40	0.03	67.0	40.0	0.10
5/13/20	2:30PM	N	7.76	15.7	8.15	0.06	0.20	0.00	54.00	0.03	68.0	43.0	0.00
6/10/20	10:35AM	N	7.86	21.4	5.62	0.04	0.15	0.50	158.00	0.03	83.0	62.0	0.56
7/20/20	2:40PM	N	8.26	22.9	6.78	0.03	0.15	0.00	22.50	0.03	85.0	78.0	0.18
<b>MAX</b>			8.26	22.9	9.19	0.12	0.20	0.50	158.00	0.03	85.0	78.0	0.56
<b>AVG.</b>			7.99	18.5	7.44	0.06	0.16	0.13	62.23	0.03	75.8	55.8	0.21
<b>MIN</b>			7.76	14.1	5.62	0.03	0.12	0.00	14.40	0.03	67.0	40.0	0.00

N - Normal    NF - No Flow    S - Sheen    F - Foam    C - Colored



LOCATION: **WESTWOOD @ LENORE**

<u>Date</u>	<u>Time</u>	<u>Cond</u>	<u>pH</u>	<u>Temp</u> <u>(C°)</u>	<u>D.O.</u> <u>(Mg/L)</u>	<u>Copper</u> <u>(Mg/L)</u>	<u>Zinc</u> <u>(Mg/L)</u>	<u>Phos</u> <u>(Mg/L)</u>	<u>NH3</u> <u>(Mg/L)</u>	<u>Last 24 hrs</u> <u>High Temp</u>	<u>Last 24 hrs</u> <u>Low Temp</u>	<u>Last 24 hrs</u> <u>Precip</u>
4/7/20	9:30AM	N	7.66	13.3	9.17	0.06	0.10	0.96	0.03	80.0	51.0	0.00
5/5/20	10:50AM	N	7.92	11.0	9.52	0.05	0.14	70.00	0.03	48.0	42.0	0.04
6/10/20	10:35AM	N	7.57	23.2	3.33	0.01	0.12	46.00	0.03	83.0	62.0	0.56
7/20/20	2:00PM	N	8.24	25.8	5.91	0.08	0.21	47.00	0.03	85.0	78.0	0.18
<b>MAX</b>			8.24	25.8	9.52	0.08	0.21	70.00	0.03	85.0	78.0	0.56
<b>AVG.</b>			7.85	18.3	6.98	0.05	0.14	40.99	0.03	74.0	58.3	0.20
<b>MIN</b>			7.57	11.0	3.33	0.01	0.10	0.96	0.03	48.0	42.0	0.00

N - Normal      NF - No Flow      S - Sheen      F - Foam      C - Colored



LOCATION: **PUMP & DAM**

<u>Dste</u>	<u>Time</u>	<u>Cond</u>	<u>pH</u>	<u>Temp</u> <u>(C°)</u>	<u>D.O.</u> <u>(Mg/L)</u>	<u>Copper</u> <u>(Mg/L)</u>	<u>Zinc</u> <u>(Mg/L)</u>	<u>Phos</u> <u>(Mg/L)</u>	<u>NH4</u> <u>(Mg/L)</u>	<u>Last 24 hrs</u> <u>High Temp</u>	<u>Last 24 hrs</u> <u>Low Temp</u>	<u>Last 24 hrs</u> <u>Precip</u>
4/28/20	3:10PM	N	7.57	16.3	7.98	0.05	0.01		0.03	75.0	48.0	0.90
5/27/20	2:30PM	N	7.75	27.8	6.79	0.10	0.36	46.0	0.03	87.0	72.0	0.07
6/8/20	11:00AM	NF								90.0	62.0	0.00
7/28/20	11:00AM	NF								88.0	69.0	0.00
<b>MAX</b>			7.75	27.8	7.98	0.10	0.36	46.0	0.03	90.0	72.0	0.90
<b>AVG.</b>			7.66	22.1	7.39	0.08	0.19	46.0	0.03	85.0	62.8	0.24
<b>MIN</b>			7.57	16.3	6.79	0.05	0.01	46.0	0.03	75.0	48.0	0.00

N - Normal      NF - No Flow      S - Sheen      F - Foam      C - Colored

LOCATION	Date	Time	Turbidity	High	Low	Rain	Algae
24" @ Lake	5/11/2020	10:40AM	20.00	51.0	41.0	0.25	
36" @ Palmer (AJL)	4/29/2020	9:00AM	20.90	61.0	43.0	0.52	
	5/11/2020	2:35PM	11.50	51.0	41.0	0.25	
	6/9/2020	10:10AM	6.41	89.0	70.0	0.00	
	8/19/2020	9:00AM	8.60	82.0	62.0	0.00	
42" S of Cherry	5/26/2020	1:00PM	12.90	92.0	68.00	0.00	
48" Addison & Lorraine	5/20/2020	1:00PM	16.52	65.0	54.00	0.11	
	6/15/2020	11:00AM	7.66	73.0	52.00	0.00	
54" Addison & Armitage	5/11/2020	10:20AM	14.70	51.0	51.0	0.25	
72" @ Odeum	5/11/2020	2:55PM	12.00	51.0	41.0	0.25	
	6/15/2020	2:10PM	10.80	73.0	52.0	0.00	
	8/17/2020	1:30PM	8.90	85.0	70.0	0.00	
Centennial Pond	5/17/2020	2:00PM	12.45	68.0	53.0	1.15	
	6/8/2020	10:25AM	19.10	90.0	62.0	0.00	
	8/12/2020	11:00AM	44.30	86.0	64.0	0.00	
Davea Pond	5/6/2020	2:30 PM	5.00	62.0	40.0	0.05	5%
	6/8/2020	9:45AM	2.50	90.0	62.0	0.00	5%
	7/23/2020	9:20AM	3.00	81.0	73.0	0.00	30%
DAPS	4/30/2020	9:30AM	22.00	55.0	43.0	0.25	
Fullerton & Fairbank	4/27/2020	2:10 PM	14.59	67.0	40.0	0.10	
	5/11/2020	9:10AM	5.00	51.0	41.0	0.25	
	6/16/2020	2:10PM	10.59	85.0	65.0	0.00	
	8/25/2020	9:55AM	8.88	89.0	73.0	0.03	

LOCATION	Date	Time	Turbidity	High	Low	Rain	Algae
Fullerton & Stewart	4/28/2020	9:45 AM	31.00	75.0	48.0	0.90	
	5/20/2020	2:00PM	11.58	65.0	54.0	0.11	
	6/17/2020	2:30PM	33.80	86.0	65.0	0.00	
Hampton	5/17/2020	2:50PM	15.20	68.0	53.0	1.15	
	6/11/2020	10:45AM	25.80	81.0	59.0	0.00	
	7/29/2020	10:30AM	21.90	89.0	73.0	0.00	
Lake Manor Pond	5/8/2020	3:10PM	5.00	45.0	35.0	0.00	
	6/10/2020	10:55AM	40.50	83.0	62.0	0.56	15%
Opus Pond	5/17/2020	10:00AM	15.50	68.0	53.0	1.15	5%
	6/5/2020	10:00AM	9.40	89.0	70.0	0.00	10%
	7/23/2020	10:00AM	29.00	817.0	73.0	0.00	40%
Pump & Dam	4/28/2020	3:10PM	20.10	75.0	48.0	0.90	
	5/27/2020	2:30 PM	16.07	87.0	72.0	0.07	
Republic Curve	4/28/2020	9:55 AM	19.30	75.0	48.0	0.90	
	5/12/2020	2:00PM	9.20	62.0	41.0	0.00	
	6/11/2020	10:15AM	54.70	81.0	59.0	0.00	
	8/17/2020	9:35AM	34.80	85.0	70.0	0.00	
Stewart Pond	4/28/2020	10:30AM	29.50	75.0	48.0	0.90	
	5/11/2020	3:10PM	12.88	51.0	41.0	0.25	
	6/5/2020	9:05AM	15.31	89.0	70.0	0.00	
	7/16/2020	10:20AM	19.20	85.0	68.0	0.46	
Westwood & Holtz	4/27/2020	1:40 PM	7.98	67.0	40.0	0.10	
	5/13/2020	2:30PM	14.80	68.0	43.0	0.00	
	6/10/2020	10:35AM	12.80	83.0	62.0	0.56	
	7/20/2020	2:40PM	9.27	85.0	78.0	0.18	
Westwood & Lenore	5/5/2020	10:50AM	11.60	48.0	42.0	0.04	
	6/10/2020	10:10AM	12.80	83.0	62.0	0.56	
	7/20/2020	2:00PM	4.00	85.0	78.0	0.18	
Swale @ Public Works	4/30/2020	1:00PM	326.00	55.0	43.0	0.25	

Lab Streams Daily 1/1/2020 - 12/31/2020	NTP UPSTREAM CBOD MG/L	NTP UPSTREAM Diss Oxygen MG/L	NTP UPSTREAM Fecal Coliform MPN/100ML	NTP UPSTREAM Fluoride MG/L	NTP UPSTREAM FOGS Total MG/L	NTP UPSTREAM Hardness MG/L	NTP UPSTREAM Ammonia MG/L	NTP UPSTREAM pH SU	NTP UPSTREAM Phosphorus Total MG/L	NTP UPSTREAM Water Temp F DEG F	NTP UPSTREAM Solids TSS MG/L	NTP UPSTREAM Barium MG/L
												
1/16/2020	2.90	12.24	1,454.0	0.25		292.0	0.09	7.70	0.66	37.58	18.4	0.034
2/6/2020	2.52	11.30	1,226.2		<1.0	334.0	0.05	7.93	0.53	39.38	6.8	0.030
3/19/2020	3.01	10.41	689.6		1.5	388.0	0.09	7.99	0.84	46.58	13.2	0.036
4/14/2020	3.03	10.32	1,095.0	0.39	<1.0	320.0	0.08	7.98	0.73	46.60	6.4	0.035
6/18/2020	<2.00	6.74	357.0		4.1	290.0	0.14	7.42	1.74	69.44	25.2	0.032
7/23/2020	2.44	7.17	774.6	0.38	16.7	252.0	0.10	7.46	1.74	73.40	16.4	0.024
8/13/2020	<2.00	6.52	790.8		3.9	274.0	0.13	6.79	2.16	73.04	22.8	0.024
9/10/2020	3.19	8.05	922.2		<1.0	290.0	0.09	7.08	0.36	66.40	24.8	0.026
10/15/2020	2.87	7.98	344.4	0.64	<1.0	268.0	0.09	7.14		59.54	13.6	
11/19/2020	2.51	9.87	1,413.6		2.6	230.0	0.16	6.89	1.77	47.84	9.2	0.025
12/10/2020	2.25	10.30	2,599.4		<1.0	240.0	0.05	7.53	2.32	44.42	6.0	0.026
Sum	<28.72	100.90	11,666.8	1.65	<33.8	3,178.0	1.07	81.91	12.85	604.22	162.8	0.292
Avg	<2.61	9.17	907.4	0.41	<3.4	288.9	0.10	7.45	1.29	54.93	14.8	0.029
Max	3.19	12.24	2,599.4	0.64	16.7	388.0	0.16	7.99	2.32	73.40	25.2	0.036
Min	<2.00	6.52	344.4	0.25	<1.0	230.0	0.05	6.79	0.36	37.58	6.0	0.024

Lab Streams Daily 1/1/2020 - 12/31/2020	NTP UPSTREAM Beryllium MG/L	NTP UPSTREAM Cadmium MG/L	NTP UPSTREAM Chromium (total) MG/L	NTP UPSTREAM Copper MG/L	NTP UPSTREAM Iron MG/L	NTP UPSTREAM Lead MG/L	NTP UPSTREAM Manganese MG/L	ENVIRONMENTAL SERVICES NTP UPSTREAM Molybdenum MG/L	NTP UPSTREAM Molybdenum UG/L	NTP UPSTREAM Nickel MG/L	NTP UPSTREAM Silver MG/L
											
1/16/2020	<0.005	<0.001	0.020	0.005	0.691	0.660	0.037	0.011	0.011	0.007	0.0100
2/6/2020	<0.002	<0.001	0.011	<0.005	0.429	<0.018	0.045	<0.020	<0.020	<0.004	<0.0030
3/19/2020	<0.002	<0.001	0.007	0.006	0.435	<0.018	0.059	<0.020	<0.020	0.006	<0.0030
4/14/2020	<0.002	<0.001	<0.006	0.009	0.404	<0.018	0.049	0.033	0.033	0.004	<0.0030
6/18/2020	<0.005	<0.001	0.010	0.006	1.103	<0.018	0.071	0.018	0.018	<0.004	0.0030
7/23/2020	<0.002	<0.001	0.008	0.007	0.563	0.036	0.052	0.023	0.023	0.009	<0.0030
8/13/2020	<0.002	0.001	0.010	0.014	0.805	<0.018	0.070	0.031	0.031	0.009	<0.0030
9/10/2020	<0.002	<0.001	0.008	<0.005	0.721	<0.018	0.046	<0.020	<0.020	<0.004	<0.0030
10/15/2020											
11/19/2020	<0.002	0.001	0.011	0.007	0.128	<0.018	0.019	0.025	0.025	0.008	0.0020
12/10/2020	<0.002	<0.001	<0.006	0.021	0.423	<0.018	0.035	0.033	0.033	0.007	0.0040
Sum	<0.026	<0.010	<0.097	<0.085	5.702	<0.840	0.483	<0.234	<0.234	<0.062	<0.0370
Avg	<0.003	<0.001	<0.010	<0.009	0.570	<0.084	0.048	<0.023	<0.023	<0.006	<0.0037
Max	<0.005	0.001	0.020	0.021	1.103	0.660	0.071	0.033	0.033	0.009	0.0100
Min	<0.002	<0.001	<0.006	<0.005	0.128	<0.018	0.019	0.011	0.011	<0.004	0.0020

Lab Streams Daily 1/1/2020 - 12/31/2020	NTP UPSTREAM Zinc MG/L	NTP UPSTREAM Alkalinity MG/L	NTP UPSTREAM Chloride MG/L	NTP UPSTREAM Total Nitrogen MG/L	NTP UPSTREAM Mercury MG/L	NTP UPSTREAM Aroclor 1016 ug/L	NTP UPSTREAM Aroclor 1221 ug/L	NTP UPSTREAM Aroclor 1232 ug/L	NTP UPSTREAM Aroclor 1242 ug/L
									
1/16/2020	0.022	200.0	185.0						
2/6/2020	0.034								
3/19/2020	0.011								
4/14/2020	0.016	235.0	185.0						
6/18/2020	0.038								
7/23/2020	0.020	155.0	150.0						
8/13/2020	0.016								
9/10/2020	0.022								
10/15/2020		140.0	153.8						
11/19/2020	0.046								
12/10/2020	0.014								
Sum	0.239	730.0	673.8						
Avg	0.024	182.5	168.5						
Max	0.046	235.0	185.0						
Min	0.011	140.0	150.0						

Lab Streams Daily 1/1/2020 - 12/31/2020	NTP UPSTREAM Aroclor 1248 ug/L	NTP UPSTREAM Aroclor 1254 ug/L	NTP UPSTREAM Aroclor 1260 ug/L	NTP UPSTREAM DDT ug/L	NTP UPSTREAM Heptachlor ug/L	AJL UPSTREAM CBOD MG/L	AJL UPSTREAM Diss Oxygen MG/L	AJL UPSTREAM Fecal Coliform MPN/100ML	AJL UPSTREAM Fluoride MG/L	AJL UPSTREAM FOGS Total MG/L
										
1/16/2020						3.1	12.27	1,732.8	0.24	
2/6/2020						2.6	11.65	615.2		3.0
3/19/2020						3.4	10.17	1,960.8		2.6
4/14/2020						3.0	10.45	1,540.2	0.47	<1.0
6/18/2020						<2.0	6.79	456.4		1.9
7/23/2020						2.1	7.44	397.8	0.44	13.8
8/13/2020						<2.0	6.39	689.6		3.2
9/10/2020						3.3	7.99	1,226.2		1.3
10/15/2020						<2.0	8.24	135.4	0.65	<1.0
11/19/2020						<2.0	10.20	1,413.6		1.8
12/10/2020						<2.0	10.56	>4,839.2		<1.0
Sum						<27.4	102.15	>15,007.2	1.78	<30.6
Avg						<2.5	9.29	>931.4	0.45	<3.1
Max						3.4	12.27	>4,839.2	0.65	13.8
Min						<2.0	6.39	135.4	0.24	<1.0

Lab Streams Daily 1/1/2020 - 12/31/2020	AJL UPSTREAM Hardness MG/L	AJL UPSTREAM Ammonia MG/L	AJL UPSTREAM pH SU	AJL UPSTREAM Phosphorus Total MG/L	AJL UPSTREAM Water Temp F DEG F	AJL UPSTREAM Solids TSS MG/L	AJL UPSTREAM Barium MG/L	AJL UPSTREAM Beryllium MG/L	AJL UPSTREAM Cadmium MG/L	AJL UPSTREAM Chromium (total) MG/L	AJL UPSTREAM Copper MG/L	AJL UPSTREAM Iron MG/L
												
1/16/2020	270.0	0.08	7.74	0.52	37.22	20.8	0.033	<0.005	0.001	0.008	0.006	0.717
2/6/2020	358.0	0.05	7.95	0.41	39.56	13.2	0.030	<0.005	<0.001	<0.006	<0.005	0.559
3/19/2020	384.0	0.08	7.98	0.79	45.68	20.0	0.038	<0.002	<0.001	0.011	0.009	0.678
4/14/2020	310.0	0.08	8.01	0.63	46.90	17.6	0.035	<0.002	<0.001	<0.006	0.005	0.539
6/18/2020	260.0	0.13	7.45	2.12	69.68	16.4	0.033	<0.002	<0.001	0.006	0.008	0.645
7/23/2020	224.0	0.10	7.51	1.74	74.12	8.8	0.025	<0.002	<0.001	<0.006	0.006	0.353
8/13/2020	250.0	0.12	6.85	2.16	73.40	14.8	0.023	<0.002	<0.001	0.003	0.007	0.570
9/10/2020	260.0	0.08	7.17	0.36	67.60	35.6	0.025	<0.002	<0.001	0.029	<0.005	0.975
10/15/2020	242.0	0.07	7.16		60.44	9.6						
11/19/2020	244.0	0.13	6.85	2.12	47.48	19.2	0.026	<0.002	<0.001	0.027	0.012	0.294
12/10/2020	278.0	<0.03	7.46	2.17	43.88	5.6	0.025	<0.002	<0.001	<0.006	0.019	0.299
Sum	3,080.0	<0.96	82.13	13.02	605.96	181.6	0.293	<0.026	<0.010	<0.108	<0.082	5.629
Avg	280.0	<0.09	7.47	1.30	55.09	16.5	0.029	<0.003	<0.001	<0.011	<0.008	0.563
Max	384.0	0.13	8.01	2.17	74.12	35.6	0.038	<0.005	0.001	0.029	0.019	0.975
Min	224.0	<0.03	6.85	0.36	37.22	5.6	0.023	<0.002	<0.001	0.003	<0.005	0.294

Lab Streams Daily 1/1/2020 - 12/31/2020	AJL UPSTREAM Lead MG/L	AJL UPSTREAM Manganese MG/L	AJL UPSTREAM Molybdenum MG/L	AJL UPSTREAM Nickel MG/L	AJL UPSTREAM Silver MG/L	AJL UPSTREAM Zinc MG/L	AJL UPSTREAM Alkalinity MG/L	AJL UPSTREAM Chloride MG/L	AJL DOWNSTREAM CBOD MG/L	AJL DOWNSTREAM Diss Oxygen MG/L
1/16/2020	<0.018	0.038	0.012	0.006	<0.0030	0.018	190.0	185.0	3.0	12.23
2/6/2020	<0.018	0.049	0.013	0.004	<0.0030	0.019			2.8	11.62
3/19/2020	<0.018	0.065	<0.020	0.007	0.0080	0.029			2.7	10.30
4/14/2020	<0.018	0.055	0.023	0.004	<0.0030	0.014	210.0	2,825.0	2.7	10.31
6/18/2020	0.034	0.058	0.060	0.009	0.0110	0.059			2.3	6.64
7/23/2020	<0.018	0.037	0.024	0.009	<0.0030	0.012	165.0	160.0	2.2	6.75
8/13/2020	<0.018	0.057	0.016	0.006	0.0040	0.016			<2.0	6.01
9/10/2020	<0.018	0.048	<0.020	<0.004	<0.0030	0.014			2.5	7.87
10/15/2020							140.0	175.0	<2.0	8.51
11/19/2020	<0.018	0.024	0.038	0.005	0.0060	0.030			2.0	10.28
12/10/2020	<0.018	0.028	0.031	0.007	<0.0030	0.034			<2.0	10.50
Sum	<0.196	0.459	<0.257	<0.061	<0.0470	0.245	705.0	3,345.0	<26.1	101.02
Avg	<0.020	0.046	<0.026	<0.006	<0.0047	0.025	176.3	836.3	<2.4	9.18
Max	0.034	0.065	0.060	0.009	0.0110	0.059	210.0	2,825.0	3.0	12.23
Min	<0.018	0.024	0.012	<0.004	<0.0030	0.012	140.0	160.0	<2.0	6.01

Lab Streams Daily 1/1/2020 - 12/31/2020	AJL DOWNSTREAM Fecal Coliform MPN/100ML	AJL DOWNSTREAM Fluoride MG/L	AJL DOWNSTREAM FOGS Total MG/L	AJL DOWNSTREAM Hardness MG/L	AJL DOWNSTREAM Ammonia MG/L	AJL DOWNSTREAM pH SU	AJL DOWNSTREAM Phosphorus Total MG/L	AJL D DOWNSTREAM Water Temp F DEG F	AJL DOWNSTREAM Solids TSS MG/L	AJL DOWNSTREAM Barium MG/L
										
1/16/2020	2,406.6	0.25		250.0	0.09	7.80	0.59	37.40	15.6	0.033
2/6/2020	2,406.6		2.4	366.0	0.05	7.93	0.47	39.20	12.8	0.033
3/19/2020	1,158.8		3.9	386.0	0.07	7.95	0.74	46.22	20.8	0.037
4/14/2020	1,632.8	0.31	<1.0	314.0	0.07	7.99	0.60	47.30	14.4	0.033
6/18/2020	254.8		<1.0	279.0	0.15	7.51	2.76	71.24	24.4	0.035
7/23/2020	821.2	0.38	<1.0	134.0	0.14	7.48	1.74	75.02	15.2	0.023
8/13/2020	344.6		5.7	240.0	0.11	7.02	2.30	71.78	8.8	0.021
9/10/2020	1,540.2		<1.0	270.0	0.08	7.32	0.44	67.10	21.2	0.019
10/15/2020	437.4	0.64	<1.0	280.0	0.08	7.22		59.18	21.6	
11/19/2020	1,732.9		1.9	240.0	0.12	7.08	1.94	47.30	14.4	0.023
12/10/2020	>4,839.2		<1.0	270.0	<0.03	7.47	1.91	43.52	6.4	0.026
Sum	>17,575.1	1.58	<19.9	3,029.0	<0.98	82.77	13.49	605.26	175.6	0.283
Avg	>1,145.7	0.39	<2.0	275.4	<0.09	7.52	1.35	55.02	16.0	0.028
Max	>4,839.2	0.64	5.7	386.0	0.15	7.99	2.76	75.02	24.4	0.037
Min	254.8	0.25	<1.0	134.0	<0.03	7.02	0.44	37.40	6.4	0.019

Lab Streams Daily 1/1/2020 - 12/31/2020	AJL DOWNSTREAM Beryllium MG/L	AJL DOWNSTREAM Cadmium MG/L	AJL DOWNSTREAM Chromium (total) MG/L	AJL DOWNSTREAM Copper MG/L	AJL DOWNSTREAM Iron MG/L	AJL DOWNSTREAM Lead MG/L	AJL DOWNSTREAM Manganese MG/L	AJL DOWNSTREAM Molybdenum MG/L	AJL DOWNSTREAM Nickel MG/L	AJL DOWNSTREAM Silver MG/L
1/16/2020	<0.005	0.001	0.015	0.006	0.630	<0.018		0.036	0.006	<0.0030
2/6/2020	<0.002	<0.001	0.021	<0.005	0.622	<0.018	0.052	0.018	0.006	<0.0030
3/19/2020	<0.002	<0.001	0.007	0.008	0.605	<0.018	0.062	<0.020	0.008	<0.0030
4/14/2020	<0.002	0.001	<0.006	0.007	0.500		0.051	0.024	0.006	<0.0030
6/18/2020	<0.002	<0.001	0.006	0.009	0.892	<0.018	0.065	0.024	0.013	<0.0030
7/23/2020	<0.002	<0.001	0.007	0.011	0.361	<0.018	0.040	0.019	0.006	<0.0030
8/13/2020	<0.002	0.001	<0.006	0.005	0.340	<0.018	0.041	0.019	0.006	<0.0030
9/10/2020	<0.002	<0.001	0.013	<0.005	0.683	<0.018	0.045	<0.020	<0.004	<0.0030
10/15/2020										
11/19/2020	<0.002	0.001	0.024	0.008	0.243	<0.018	0.021	0.024	0.006	<0.0030
12/10/2020	<0.002	<0.001	<0.006	0.019	0.423	<0.018	0.029	0.030	0.007	0.0030
Sum	<0.023	<0.010	<0.111	<0.083	5.299	<0.162	0.406	<0.234	<0.068	<0.0300
Avg	<0.002	<0.001	<0.011	<0.008	0.530	<0.018	0.045	<0.023	<0.007	<0.0030
Max	<0.005	0.001	0.024	0.019	0.892	<0.018	0.065	0.036	0.013	0.0030
Min	<0.002	<0.001	<0.006	<0.005	0.243	<0.018	0.021	0.018	<0.004	<0.0030

Lab Streams Daily 1/1/2020 - 12/31/2020	AJL DOWNSTREAM Zinc MG/L	AJL DOWNSTREAM Alkalinity MG/L	AJL DOWNSTREAM Chloride MG/L	AJL DOWNSTREAM Total Nitrogen MG/L	AJL DOWNSTREAM Mercury MG/L	AJL DOWNSTREAM Aroclor 1016 ug/L	AJL DOWNSTREAM Aroclor 1221 ug/L	AJL DOWNSTREAM Aroclor 1232 ug/L	AJL DOWNSTREAM Aroclor 1242 ug/L
									
1/16/2020	0.039	200.0	162.5						
2/6/2020	0.027								
3/19/2020	0.016								
4/14/2020	0.006	225.0	265.0						
6/18/2020	0.048								
7/23/2020	0.015	155.0	140.0						
8/13/2020	0.025								
9/10/2020	0.029								
10/15/2020		150.0	166.3						
11/19/2020	0.032								
12/10/2020	0.023								
Sum	0.260	730.0	733.8						
Avg	0.026	182.5	183.5						
Max	0.048	225.0	265.0						
Min	0.006	150.0	140.0						

Lab Streams Daily 1/1/2020 - 12/31/2020	AJL DOWNSTREAM Aroclor 1248 ug/L	AJL DOWNSTREAM Aroclor 1254 ug/L	AJL DOWNSTREAM Aroclor 1260 ug/L	AJL DOWNSTREAM DDT ug/L	AJL DOWNSTREAM Heptachlor ug/L
1/16/2020					
2/6/2020					
3/19/2020					
4/14/2020					
6/18/2020					
7/23/2020					
8/13/2020					
9/10/2020					
10/15/2020					
11/19/2020					
12/10/2020					
Sum					
Avg					
Max					
Min					

## MS4 OUTFALLS 2020

FID	OutFall ID	Inches	Material	Owner	Notes	Repair	Flow	Date	Time
	WCMS 004	48	RCP	VOA	Pump & Dam	No	0%	10/7/2020	9:00 AM
38	WCMS 006	20	RCP	VOA	North	No	1%	10/7/2020	9:00 AM
39	WCMS 012	12	RCP & PVC/Green	VOA	North	No	0%	10/7/2020	9:10 AM
40	WCMS 020	12	Metal	VOA	Bridge @ Roxanne NE side			Being Repaired	
42	WCMS 026	6	PVC/ White	VOA	Bridge @ Roxanne NW side			Being Repaired	
46	WCMS 037	18	RCP	VOA	Bridge @ Roxanne SE side			Being Repaired	
41	WCMS 044	6	PVC/ White	VOA	Bridge @ Roxanne SW side			Being Repaired	
43	WCMS 050	22	Metal	VOA	Bottom Rusted Out	Yes	0%	10/7/2020	9:20 AM
44	WCMS 056	48	Metal/FES	VOA	Last one West of Roxanne that you don't need boots	No	0%	10/7/2020	9:40 AM
48	WCMS 060	18	Metal	VOA	Bottom Rusted (Black Corr on top)	Yes	0%	10/12/2020	9:45 AM
	WCMS 061	8	Black corr	Private	Tag 8885 with a green cap	No	0%	10/12/2020	9:45 AM
49	WCMS 064	7	Black corr	VOA	Tag 8895	No	0%	10/12/2020	9:40 AM
50	WCMS 068	7	Black corr	Private	Tag 8887 Being crushed	Yes	0%	10/12/2020	9:25 AM
	WCMS 070	4	PVC/White	Private	Tag 8880	No	0%	10/12/2020	9:20 AM
51	WCMS 072	16	Metal	VOA	618 Lullo South of the garage	Yes	0%	10/12/2020	9:15 AM
	WCMS 074	6	Black corr	Private	Tag 8882	No	0%	10/12/2020	9:10 AM
	WCMS 076	6	PVC/White	Private	Tag 8886	No	0%	10/12/2020	9:10 AM
52	WCMS 077	16	Metal	VOA	Mid Of Lincoln	No	0%	10/12/2020	9:10 AM
	WCMS 078	8	PVC/Black	Private	300 Lincoln Ave Tag 8876 has a cover	No	0%	10/12/2020	9:45 AM
	WCMS 079	4	PVC/White	Private	Tag 8875	No	0%	10/12/2020	9:50 AM



MS4 OUTFALLS

MS4 ANNUAL REPORT  
MARCH 2020 - FEB 2021

FID	OutFall ID	Inches	Material	Owner	Notes	Repair	Flow	Date	Time
53	WCMS 082	6	Black corr	Private	Two black pipes Tag 8873	No	0%	10/12/2020	9:50 AM
54	WCMS 086	16	Metal	VOA		No	0%	10/12/2020	9:55 AM
	WCMS 088	5	Black corr	Private	Tag 8874 Two black Cor only 1 tagged	No	0%	10/12/2020	9:55 AM
55	WCMS 090	24	RCP	VOA	West	No	0%	10/12/2020	9:55 AM
56	WCMS 094	5	Black corr	Private	Tag 8883 and Tree tagged 8872	No	0%	10/12/2020	10:00 AM
57	WCMS 099	16	Metal	VOA	Bottom rusted	Yes	0%	10/12/2020	10:00 AM
58	WCMS 101	5	Black corr	Private	Tag 8871 in a wall Tag fell off	No	0%	10/12/2020	10:05 AM
59	WCMS 106	18	Metal	VOA	Bottom Rusted	Yes	0%	10/12/2020	10:05 AM
60	WCMS 109	5	Black corr	Private	Big pile of dirt on it	No	0%	10/12/2020	10:10 AM
61	WCMS 113	36	RCP	VOA	Neva & Highview@Lake	No	0%	10/12/2020	10:10 AM
62	WCMS 118	36	RCP	VOA	Neva & Highview@Lake	No	0%	10/12/2020	10:10 AM
63	WCMS 122	53	RCP	VOA	Neva & Highview@Lake	No	0%	10/12/2020	10:10 AM
FID	Outfall ID	Inches	Material	Owner	Notes	Repair	Flow	Date	Time
23	WCMS 127	16	Metal	VOA	Green Oaks Luther Brook side	No	0%	10/8/2020	9:20 AM
24	WCMS 132	14	RCP	VOA	Green Oaks	No	0%	10/8/2020	9:10 AM
	GO1	24	RCP	VOA	Green Oaks	No	0%	10/8/2020	9:10 AM
	GO 2	4	PVC/Green	VOA	Green Oaks Tag 8888	No	0%	10/8/2020	9:25 AM
	GO3	6	PVC/Green	VOA	Green Oaks Tag 8890	No	0%	10/8/2020	9:25 AM
	GO4	3	PVC/White	VOA	Green Oaks Tag 8893	No	0%	10/8/2020	9:25 AM
	GO5	4	PVC/White	VOA	Green Oaks Tag 8892	No	0%	10/8/2020	9:25 AM

FID	OutFall ID	Inches	Material	Owner	Notes	Repair	Flow	Date	Time
	GO6	4	PVC/White	VOA	Green Oaks Tag 8891	No	0%	10/8/2020	9:25 AM
	GO7	4	PVC/White	VOA	Green Oaks Tag 8889	No	0%	10/8/2020	9:30 AM
	GO8	4	PVC/White	VOA	Green Oaks Tag 8859	No	0%	10/8/2020	9:30 AM
	GO9	4	PVC/White	VOA	Green Oaks Tag 8862	No	0%	10/8/2020	9:30 AM
	GO10	14	Metal	VOA	Green Oaks	No	0%	10/8/2020	9:30 AM
	GO11	3	PVC/White	VOA	Green Oaks Tag 8851	No	0%	10/8/2020	9:30 AM
29	WCMS 151	24	Metal	VOA	Green Oaks concreted surround	No	0%	10/8/2020	9:35 AM
30	WCMS 155	5	RCP	VOA	Green Oaks in wall	No	0%	10/8/2020	9:35 AM
31	WCMS 159	5	RCP	VOA	Green Oaks in wall	No	0%	10/8/2020	9:35 AM
	GO12	3	PVC/White	VOA	Green Oaks Tag 8897	No	0%	10/8/2020	9:35 AM
32	WCMS 163	5	Blue Metal	VOA	Green Oaks in wall	No	0%	10/8/2020	9:35 AM
	GO 13	3	PVC/White	Private	Green Oaks Tag 8900 (s. side of Creek)	No	0%	10/8/2020	9:40 AM
	GO 14	2	PVC/White	Private	Green Oaks Tag 8899 Wall tag 8896	No	0%	10/8/2020	9:40 AM
33	WCMS 168	4	Black corr	Private	Green Oaks Tag 8852	No	0%	10/8/2020	9:40 AM
34	WCMS 173	5	Black corr	Private	Green Oaks Tag 8860 Guard Rail 8864 by telephone pole	No	0%	10/8/2020	9:50 AM
35	WCMS 177	18	RCP	VOA	Green Oaks Pipe broken off on bottom	Yes	0%	10/8/2020	10:00 AM
	GO 15	6	Black corr	Private	Green Oaks Tag 8865	No	0%	10/8/2020	10:00 AM
36	WCMS 183	8	Metal	Private	Green Oaks in wall	No	0%	10/8/2020	10:00 AM
	GO 16	2	PVC/White	Private	Green Oaks Tag 8855	No	0%	10/8/2020	10:00 AM
	GO 17	3	Metal	Private	Green Oaks Tag 8866	No	0%	10/8/2020	10:00 AM
37	WCMS 189	16	Metal	VOA	Green Oaks Bridge @Mill	No	0%	10/8/2020	10:00 AM



MS4 OUTFALLS

MS4 ANNUAL REPORT  
MARCH 2020 - FEB 2021

FID	OutFall ID	Inches	Material	Owner	Notes	Repair	Flow	Date	Time
FID	Outfall ID	Inches	Material	Owner	Notes	Repair	Flow	Date	Time
4	WCWB 209	10	PVC/White	VOA	E of Country Club in wall @ bridge	No	0%	10/12/2020	10:30 AM
3	WCWB 206	20	RCP	VOA	E of Country Club @ bridge	No	0%	10/12/2020	10:25 AM
A	WCWB 214	8	PVC/Green	VOA	E of Country Club Tag 8680	No	0%	10/12/2020	10:30 AM
B	WCWB 218	10	PVC/ White	VOA	E of Country Club Tag 8868	No	0%	10/12/2020	10:35 AM
C	WCWB 222	6	PVC/Green	VOA	E of Country Club Tag 8679	No	0%	10/12/2020	10:35 AM
2	WCWB 204	6	PVC/Green	Private	E of Country Club Tag 8672	No	0%	10/12/2020	10:25 AM
1	WCWB 197	18	RCP	VOA	E of Country Club New One	No	0%	10/12/2020	10:20 AM
0.5		5	Orange Tile & Black Corr	VOA	E of Country Club	No	0%	10/12/2020	10:20 AM
0.25		6	PVC/White	VOA	E of Country Club Tag 8665 mud filled	Yes	0%	10/12/2020	10:20 AM
0	WCWB 193	14	RCP	VOA	E of Country Club Broken	No	0%	10/12/2020	10:15 AM
FID	Outfall ID	Inches	Material	Owner	Notes	Repair	Flow	Date	Time
D	WCWB 226	5	PVC/White	Private	W of Country Club Tag 8671	No	0%	10/13/2020	9:00 AM
5	WCWB 231	14	PVC/Green	VOA	W of Country Club Tag 8674 + white pipe above green PVC	No	0%	10/13/2020	9:00 AM
6	WCWB 236	14	Metal	VOA	W of Country Club crushed	Yes	0%	10/13/2020	9:05 AM
	WCWB 238	16	PVC/Blue	VOA	W of Country Club Tag 8681	No	0%	10/13/2020	9:10 AM
E	WCWB 240	4	PVC/White	Private	W of CC Wall falling down Tag 8666	Yes	0%	10/13/2020	9:10 AM
7	WCWB 244	4	PVC/White	Private	W of CC Wall falling down Tag 8670	Yes	0%	10/13/2020	9:10 AM
8	WCWB 250	36	RCP	VOA	W of CC white 3 " pipe Tag 8678	No	0%	10/13/2020	9:15 AM
9	WCWB 254	26	Metal	VOA	W of Country Club Bottom Rusted	Yes	0%	10/13/2020	9:15 AM
10	WCWB 260	6	Black Corr	Private	W of Country Club Tag 8669	No	0%	10/13/2020	9:20 AM



MS4 OUTFALLS

MS4 ANNUAL REPORT  
MARCH 2020 - FEB 2021

FID	OutFall ID	Inches	Material	Owner	Notes	Repair	Flow	Date	Time
	WCWB 263	2	PVC/White	Private	W of Country Club Tag 8673	No	0%	10/13/2020	9:20 AM
11	WCWB 265	34	RCP	VOA	W of Country Club	No	0%	10/13/2020	9:30 AM
12	WCWB 270	10	RCP	VOA	W of Country Club	No	0%	10/13/2020	9:30 AM
13	WCWB 275	12	Metal	VOA	W of Country Club	No	0%	10/13/2020	9:40 AM
	WCWB 277	2	PVC/White	Private	W of Country Club Tag 8677	No	0%	10/13/2020	9:40 AM
14	WCWB 280	16	Metal	VOA	W of Country Club Black corr on top of FID 14	No	0%	10/13/2020	9:40 AM
		2	PVC/White	Private	W of Country Club Tag 8664	No	0%	10/13/2020	9:40 AM
		5	PVC/White	Private	W of Country Club Tag 8663	No	0%	10/13/2020	9:40 AM
		5	PVC/White	Private	W of Country Club Tag 8684	No	0%	10/13/2020	9:45 AM
		5	3 PVC/White	Private	W of Country Club Tag 8683	No	0%	10/13/2020	9:45 AM
		5	Black Corr	Private	W of Country Club Tag 8682	No	0%	10/13/2020	9:50 AM
15	WCWB 284	36	RCP	VOA	W of Country Club	No	0%	10/13/2020	9:55 AM
16	WCWB 288	12	RCP	VOA	W of Country Club	No	0%	10/13/2020	9:55 AM
FID	Outfall ID	Inches	Material	Owner	Notes	Repair	Flow	Date	Time
17	WCWB 292	8	PVC/Green	VOA	St. Phillips Tag 8854	No	0%	10/7/2020	10:15 AM
17.5	WCWB 295	72	Metal/FES	VOA	St. Phillips	No	0%	10/7/2020	10:15 AM
18	WCWB 297	14	PVC/White	VOA	St. Phillips Tag 8853	No	0%	10/7/2020	10:20 AM
	WCWB 299	48	RCP	VOA	St. Phillips	No	0%	10/7/2020	10:20 AM
19	WCWB 302	6	PVC/White	Private	St. Phillips Tag 8894	No	0%	10/7/2020	10:25 AM
20	WCWB 304	6	Metal	VOA	St. Phillips	No	0%	10/7/2020	10:30 AM
21	WCWB 306	48	RCP	VOA	Bridge @ Holtz	No	20%	10/7/2020	10:30 AM

FID	OutFall ID	Inches	Material	Owner	Notes	Repair	Flow	Date	Time
22	WCWB 310	48	RCP	VOA	W Side of Holtz Bridge	No	20%	10/7/2020	10:30 AM
22.5	WCWB 315	26	RCP	VOA	E Side of Bridge@Holtz	No	2%	10/7/2020	10:30 AM
	WCWB 320	36	RCP	VOA	Wesley School & Westwood Park	No	0%	10/7/2020	10:35 AM
	WCWB 324	12	RCP	VOA	Wesley School North Side of Creek	No	0%	10/7/2020	10:35 AM
	WCWB 326	12	RCP	VOA	Wesley School North Side of Creek	No	0%	10/7/2020	10:40 AM
	WCWB 330	36	Metal	VOA	Last One @Wesley	No	0%	10/7/2020	10:40 AM
FID	Outfall ID	Inches	Material	Owner	Notes	Repair	Flow	Date	Time
	WCWB 335	20	RCP	VOA	Centennial Pond	No	20%	10/7/2020	2:15 PM
	WCSB 339	24	RCP	VOA	St. John's & Army Trail	No	0%	10/7/2020	1:55 PM
	WCSB 345	12	RCP	VOA	Hampton Inn	No	0%	10/7/2020	2:10 PM
x	SCMS 352	24	Metal	VOA	Close to MAPS & the guardrail	No	0%	10/13/2020	2:00 PM
x	SCMS 356	24	RCP	VOA	Lake & Villa	No	0%	10/13/2020	2:10 PM
x	SCMS 359	42	RCP	VOA	Lake & Villa	No	0%	10/13/2020	2:10 PM
x	SCMS 365	12	Metal	VOA	Lake & Villa (next to the 42" pipe)	No	0%	10/13/2020	2:10 PM
x	WCWB 369		Metal	VOA	Stewart Pond (300-302 Stewart)	Yes	0%	10/8/2020	10:10 AM
x	WCWB 375	20	RCP	VOA	March Co. Parking (936 Fullerton)	No	0%	10/8/2020	10:20 AM
x	SCMS 376	72	RCP	VOA	Odeum	No	0%	10/7/2020	3:00 PM
x	SCMS 380	42	RCP	VOA	Cherry Hill	Yes	0%	10/8/2020	2:15 PM
x	SCMS 384	20	Metal	VOA	Double Manhole Cherry Hill	No	0%	10/8/2020	2:15 PM
x	SCMS 385	38	RCP	VOA	AJL	No	0%	10/8/2020	2:00 PM
x	SCMS 388	24	Metal	VOA	Villa Brooks Apts.	Yes	0%	10/8/2020	2:30 PM

**MARCH 2020 – MARCH 2021**  
**ANNUAL INSPECTION REPORT**  
**VILLAGE OF BARTLETT – DUPAGE COUNTY NPDES PERMIT**

- The Village of Bartlett participates in numerous training opportunities with DuPage County Highway, DuPage County Stormwater, DRSCW, APWA and IRMA. The Village also runs in-house training for all new employees and periodic and seasonal sessions for regular employees with regard to salt and chemical use.
- In 2020, the Village sent several employees to the Pollution Prevention Seminar, the Green Infrastructure Seminar and DRSCW Deicing Workshops, as well as in-house training sessions for salt and brine use. This is a regular practice for Bartlett as we continue to keep all staff current with regulations and new BMP technologies.
- Village facilities, including Public Works/Water/Wastewater are monitored on a regular basis by the PW Director, Village Engineer and PW Staff. BMP/PCBMP and full sediment and erosion control measures are required for all public and private projects.

2020 Salt Summary

Snow Events	19	Brine Used	32,094 gallons
Ice Events	N/A	Brine Blend Used	4,197 gallons
Salt Used	1746 tons		
Salt Used	91 tons/event		

2020 Sweeping and Maintenance Summary

Two Sweepers, Pelican and Crosswind

6,275 miles swept (Pelican 920 miles and Crosswind 5,355 miles)

413 Storm Inlets cleaned and repaired

3,655 LF Storm Sewer jetted and repaired

### Village of Bartlett Web-Site NPDES Information

Along with the information we share from DuPage County on the Bartlett site, we also list Cook County, Kane County and State of Illinois information as well. Bartlett Public Works cost-sharing programs include Lateral Sewer Lining, Lead Service Line Replacement and Overhead Sewer Programs for residents to participate in. We also have a 50-50 local storm sewer program for groups of residents to participate in.

### Summer Intern Programs

The 2020 summer programs for interns and students had to be cancelled due to the Covid-19 restrictions. We will start the programs again in 2021, if possible, and continue into the future.

## Stormwater Management

### Why is Storm Water a Concern?



Storm water runoff is rain water and snow melt that runs off the land and enters streams, rivers, and lakes, often flowing through a community's storm sewer system. Storm water runoff can contain toxic chemicals, oil and grease, pesticides, metals, and other contaminants that are a major source of water pollution and can potentially pose a threat to public health and the environment.

In order to continue improving the water quality of stormwater runoff and mitigate the harmful effects of pollution, the Environmental Protection Agency (EPA) has set regulations that require municipalities to obtain permits through the National Pollution Discharge Elimination System (NPDES) and prepare annual Facility Inspection Reports. The Village of

Bartlett must follow the EPA's storm water requirements for populations less than 100,000 classified as Storm Water Phase II.

Storm Water Phase II programs and the annual reports must address these topics:

- Public education and outreach
- Public participation/involvement
- Illicit discharge detection and elimination
- Construction Site Runoff Control
- Post-Construction Runoff Control
- Pollution Prevention/Good Housekeeping for Municipal Operations

More information about these program components is available on the [NPDES section \(http://www.epa.gov/npdes\)](http://www.epa.gov/npdes) of the EPA's website.

See these annual reports:

[2019 Annual Facility Report \(/home/showpublisheddocument/11077/637241856461870000\)](/home/showpublisheddocument/11077/637241856461870000)

[2018 Annual Facility Report \(/home/showpublisheddocument/9749/636640483697400000\)](/home/showpublisheddocument/9749/636640483697400000)

[2017 Annual Facility Report \(/home/showpublisheddocument/7232/636416710076330000\)](/home/showpublisheddocument/7232/636416710076330000)

[2016 Annual Facility Report \(/home/showpublisheddocument/7242/636420168531330000\)](/home/showpublisheddocument/7242/636420168531330000)

[2015 Annual Facility Report \(/home/showpublisheddocument/7230/636416710070400000\)](/home/showpublisheddocument/7230/636416710070400000)

[2014 Annual Facility Report \(/home/showpublisheddocument/7228/636416710066800000\)](/home/showpublisheddocument/7228/636416710066800000)

## Best Practices

The Village of Bartlett has partnered with DuPage County to provide a broad storm water management plan to further prevent storm water pollution. Please use the links below to access DuPage County Stormwater Management webpages and other resources aimed at keeping local waterways safe.

**DuPage County Storm Water Management** (<http://www.dupageco.org/swm/>).

**Best Management Practices Brochure** (</home/showpublisheddocument/4590/636119651167830000>).

**Bartlett Storm Water Management Plan** (</home/showpublisheddocument/7234/636416710476670000>).

**IL EPA Notice of Intent** (</home/showpublisheddocument/11195/637298969287330000>).

## Stormwater Resources

**Videos** - DuPage County Stormwater Management recently produced a variety of water quality educational videos that are available for public viewing on Stormwater Management's "Love Blue. Live Green." YouTube page:

<https://www.youtube.com/user/lovebluelivegreen>

(<https://www.youtube.com/user/lovebluelivegreen>).

The videos, along with past webinars, are also organized under the "Playlists" tab.

## Brochures & Information Guides

**After the Storm - A Citizen's Guide to Understanding Stormwater**

(</home/showpublisheddocument/4580/636119635685000000>).

**Citizen Monitoring - Illicit Discharge Detection** (</home/showpublisheddocument/4584/636119635691730000>).

**Car Wash Guidelines - Send Only Rain Down the Drain**

(</home/showpublisheddocument/4582/636119635688770000>).

**Proper Pet Care - Managing Your Pet's Waste Safely**

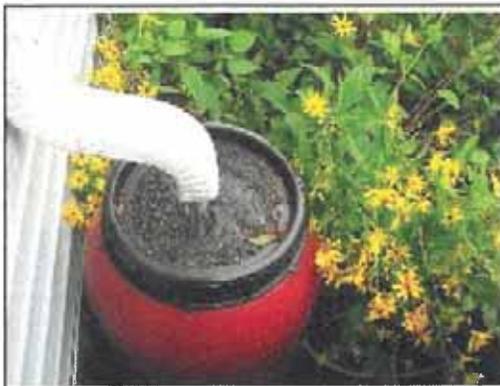
(</home/showpublisheddocument/4586/636119635695770000>).

**Sustainable Lawn Care Practices** (</home/showpublisheddocument/4588/636119635701730000>).

**DuPage County - Stormwater Brochures & Information**

([http://www.dupageco.org/EDP/Stormwater\\_Management/1163/](http://www.dupageco.org/EDP/Stormwater_Management/1163/)).

## Rain Barrels



For DuPage and Kane County residents who want to help divert storm water from the sewer system and also want to save on their water bills, the Conservation Foundation is currently selling rain barrels. The rain barrels are available in different colors and can be picked-up or delivered. For information, visit

([http://www.theconservationfoundation.org/page.php?](http://www.theconservationfoundation.org/page.php?PageID=106)

[www.theconservationfoundation.org/page.php?PageID=106](http://www.theconservationfoundation.org/page.php?PageID=106)

(<http://www.theconservationfoundation.org/page.php?PageID=106>).

(<http://www.theconservationfoundation.org/page.php?PageID=106Rain>).

For Cook County residents, Metropolitan Water Reclamation District (MWRD) is selling and delivering rain barrels. For information,

visit <https://www.mwrd.org/irj/portal/anonymous/rainbarrel>

(<https://www.mwrd.org/irj/portal/anonymous/rainbarrel>).

## Robert Allen

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**From:** Falsey, Mary Beth <Falsey@dupageco.org>  
**Sent:** Friday, December 4, 2020 3:13 PM  
**To:** Mcrandall@addison-il.org; DonH@addisontownship.com; Robert Allen; jcaracci@bensenville.il.us; PROHASKAR@vil.bloomingtondale.il.us; hwyts@ameritech.net; dpreissig@burr-ridge.gov; gulreich@carolstream.org; bmclaughlin@clarendonhills.us; dgombac@darienil.gov; kbehr@downers.us; lawrence.anderson@dgtownship.com; Kent.Johnson@elmhurst.org; jhubsy@glenellyn.org; joanne\_kalchbrenner@glendaleheights.org; JStelle@hpil.org; ddeeter@villageofhinsdale.org; rhitchcock@itasca.com; gturris@lemont.il.us; Molly & Shauna; highway@lisletownship.com; gormand@villageoflombard.org; mthd@miltonhighway.com; NovackW@naperville.il.us; FanoR@naperville.il.us; HynesA@naperville.il.us; Richardn@napervilletownship.com; rvalent@oak-brook.org; dlynch@cbbel.com; Kayoung@roselle.il.us; Voskresenski, Vassili; khocking@warrenville.il.us; dlynch@cbbel.com; wtrd@sbcglobal.net; twilcox@westchicago.org; swalsh@wheaton.il.us; jcoons@willowbrook.il.us; pkrumins@villageofwinfield.com; Road@WinfieldTownship.com; alange@wooddale.com; cbethel@vil.woodridge.il.us; yorkhwy@comcast.net; rfederighi@addison-il.org; mpatel@bensenville.il.us; pmodaff@carolstream.org; jlomax@downers.us; amckenna@glenellyn.org; jwellbank@reltd.com; rpukula@lemont.il.us; jeliass@villageoffisle.org; Dublinskid@naperville.il.us; cward@oakbrookterrace.net; kmehl@roselle.il.us; richs@invillapark.com; rmentzer@warrenville.il.us; rflatter@westchicago.org; smay@westmont.il.gov; kdunn@wheaton.il.us; jmoline@vil.woodridge.il.us  
**Cc:** Mitros, Mary; Hunn, Sarah; Vonnahme, Chris  
**Subject:** IEPA Required Annual Public Meeting

**CAUTION** This e-mail originated **outside** of the Village of Bartlett. **DO NOT** click links or open attachments unless you are expecting the email and know the content is safe. If you have any doubt, contact the sender by phone to confirm.

DuPage County Stormwater is planning a virtual public meeting to satisfy the IEPA Permit No. ILR40 requirement to “provide a minimum of one public meeting annually for the public to provide input as to the adequacy of the MS4 program”. As this public input opportunity affects communities countywide, the County is soliciting your input. Please complete the short (4 question) survey by December 31<sup>st</sup>.

<https://www.surveymonkey.com/r/QPT2T7R>

### Mary Beth Falsey

Water Quality Supervisor  
DuPage County Stormwater Management  
421 N. County Farm Rd.  
Wheaton, IL 60187  
P: 630.407.6680  
C: 630.514.3165  
[marybeth.falsey@dupageco.org](mailto:marybeth.falsey@dupageco.org)  
[www.dupageco.org/swm](http://www.dupageco.org/swm)



## Robert Allen

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**From:** Robert Allen  
**Sent:** Thursday, January 14, 2021 8:28 AM  
**To:** 'Falsey, Mary Beth'  
**Cc:** Daniel Dinges; Paula Schumacher  
**Subject:** RE: Grant Support and Partnership Request

Hi Mary Beth, please include the Village of Bartlett as a partner in your efforts to locate and remove tires from the DuPage River and Salt Creek.

Bob Allen, PE  
Bartlett Village Engineer  
630-837-0811

**From:** Falsey, Mary Beth <Falsey@dupageco.org>  
**Sent:** Wednesday, January 13, 2021 3:33 PM  
**To:** Falsey, Mary Beth <Falsey@dupageco.org>  
**Subject:** Grant Support and Partnership Request

**CAUTION** This e-mail originated **outside** of the Village of Bartlett. **DO NOT** click links or open attachments unless you are expecting the email and know the content is safe. If you have any doubt, contact the sender by phone to confirm.

DuPage County Stormwater Management is pursuing a grant opportunity from the Five Star and Urban Waters Restoration Program to locate and remove tires from the East and West Branches of the DuPage River and Salt Creek. Stormwater staff has observed numerous tires in waterways during routine outfall monitoring and stream inspections. These tires interrupt flow during flood events and contribute to poor water quality for aquatic life. This grant will fund a project to GPS locate the tires, remove them from rivers, and properly dispose of them at an EPA approved recycling facility. In addition, it will partially fund educational campaigns to reduce pollution in waterways, a requirement of the Illinois Environmental Protection Agency's National Pollutant Discharge Elimination System (NPDES) permit, which DuPage County manages on a countywide basis.

We are looking for your support in this effort as a partner. Partners will be asked to share educational materials with your residents and provide a letter of support for this project. Due to the logistic of obtaining a letter from each municipality and township, we have taken the liberty of drafting one letter from all permit partners and would like to submit it with the application on your behalf. **If you could, please respond by Wednesday, January 20 if you approve of us submitting this letter of support on your behalf. We will only list organizations on the letter if we receive your permission.**

If you have any questions, I'm happy to discuss the project details with you.

### *Mary Beth Falsey*

Water Quality Supervisor  
DuPage County Stormwater Management  
421 N. County Farm Rd.  
Wheaton, IL 60187  
Office: 630.407.6680  
Cell: 630.514.3165



DUPAGE COUNTY  
**NEWS RELEASE**

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

Website: [WWW.DUPAGECO.ORG](http://WWW.DUPAGECO.ORG) ♦ Twitter: @dupagecounty ♦ Facebook: DuPage County Board

For Immediate Release  
January 29, 2021

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 28, 2021.

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

These requirements are detailed in the DuPage County Stormwater Management Program Plan, which can be found at

[https://www.dupageco.org/EDP/Stormwater\\_Management/Water\\_Quality/54206/](https://www.dupageco.org/EDP/Stormwater_Management/Water_Quality/54206/). There will also be an informational virtual meeting to discuss the DuPage County Countywide Water Quality Program on Thursday, February 18 at 9am. Register for the meeting at <https://us02web.zoom.us/meeting/register/tZl0cu-upzwpHtXqiQ4nSmKmpXewxCDOtBRf>.

DuPage County Stormwater Management is accepting input on the program through February 28, 2021. Comments may be submitted via email to [water.quality@dupageco.org](mailto: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.

###

## SOIL AND EROSION CONTROL INSPECTION 2020

Project name	Project address	Duration of the project	Site inspections
Bartlett Ridge	Naperville Rd	from 1/3 to 12/23	45 inspections
423 Drew Ct.	Forest View	from 1/3 to 6/22	23 inspections
1323 Turfway Ln.	Bravo Point Sub	from 1/3 to 6/22	3 inspections
Logistics Property Stearns & Munger	Brewster Creek Business Park	from 6/25 to 7/31	19 inspections
BAPS	Army Trail Rd.	from 7/29 to 12/23	33 inspections
Culver's	Quincey Bridge & Rt.59	from 8/14 to 11/25	16 inspections
429 Drew Ct.	Forest View	from 1/3 to 9/25	32 inspections
Parkland Academy	2220 Southwind Blvd.	from 7/10 to 12/23	4 inspections
Barrington Motor	1201 W. Lake (US Rt. 20)	from 1/14 to 12/23	7 inspections
417 Drew Ct.	Forest View	from 3/5 to 6/17	45 inspections
511 Devon Ave.	Forest View	from 8/7 to 12/23	21 inspections
8 N 636 Rt 59	Rt 59	from 6/2 to 7/23	4 inspections
102 Oakwood Ln.	Country Creek Sub.	from 10/19 to 12/23	14 inspections
Eastfield Sub.	Army Trail Rd. & Petersdorf	from 9/2 to 12/23	12 inspections
		Total	278 inspections

**Village of Bartlett**

**Drainage Inspection Report – Public Properties**

Date: \_\_\_/\_\_\_/\_\_\_ Inspector: \_\_\_\_\_

Type of Inspection: Semi-annual Monthly Choke Point Post-storm Complaint

I have inspected the following surface drainage facilities and found them as noted. The numbers and letters refer to locations on the Village’s drainage system map. A Complaint/Inquiry Form has been completed for all problems found on Village property. A notification letter has been sent to the owners of private property where problems were found.

Koehler Field Pond	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Bartlett Point Pond	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Timberline Pond Restrictors (x2)	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
712 Hackberry Pond	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Spaulding Pond – W. of Naperville	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Spaulding Pond – E. of Naperville	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Naperville Rd. Under Road/Field	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Persimmon Ct. – Kjar Park	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
451 -- 441 Ford Ln.	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Lakewood Mills Pond	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Bartlett Victory Center Head Wall	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Park Place Pond	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
788 Bayberry Restrictor	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Taylor Ave. Grate	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Devon Ave. Small Pond Grate	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Hillcrest Pond	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
500 Litchfield Pond	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Amherst Creek	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Wilcox Creek	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Wilcox Ct. Grate	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found

**Village of Bartlett CDR Procedures: Drainage Inspection Report - Public**

Lido Ter. Restrictor	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Coral Ave. Ponds	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Beaver Pond Grate	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Francine Creek	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
963 E. Castlewood Restrictor	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Foster Ave. Grate	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Windsor Dr. Ponds (x3)	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Trillium Pond	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Nicole Pond	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
1476 Polo Grate	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Winchester Ct. Outflow Line	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Monroe Dr. Line Out to Franklin	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Silver Cir. Pond	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Grainger Restrictor	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Schick & Struckman Pond	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
1453 Bannock Pond	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Hawk Hollow Pond	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found
Penny Rd. Pond	<input type="checkbox"/> No Problem	<input type="checkbox"/> Problem Found

# Certificate of Completion

This Certifies That  
**Bob Allen**

*Attendee Name*

Has Successfully Completed  
DuPage County's Pollution Prevention Training

Date: June 10, 2020

Location: Webinar

Professional Development Hours (PDH): 1.5

Presented By:

DuPage County Stormwater Management

Sarah Hunn, PE - Director

*Sarah Hunn*

*Signature*

6/10/2020

*Date*

*Attendee Signature*



# Certificate of Completion

This Certifies That  
**Bob Allen**

*Attendee Name*

Has Successfully Completed  
DuPage County's Pollution Prevention Training

Date: June 17, 2020

Location: Webinar

Professional Development Hours (PDH): 1.5

Presented By:

DuPage County Stormwater Management

Sarah Hunn, PE - Director

*Sarah Hunn*

*Signature*

6/17/2020

*Date*

*Attendee Signature*



# Certificate of Completion

This Certifies That  
**Bob Allen**

*Attendee Name*

Has Successfully Completed  
**DuPage County's Green Infrastructure Training**

Date: December 3, 2020

Location: Webinar

Professional Development Hours (PDH): 1.5

Presented By:

DuPage County Stormwater Management

Sarah Hunn, PE - Director

*Sarah Hunn*

*Signature*

12/3/2020

*Date*

*Attendee Signature*



## Public Works Cost Sharing Programs

With the increase in aging infrastructure in Bartlett, it may become necessary for residents to improve or replace their private water and sewer lines. To assist in these projects, the Village offers cost sharing programs to help ease the financial burden on residents. See program details in the pdfs below and if you have additional questions, please call Bartlett Public Works Department, 630-837-0811.

### Lateral Sewer Lining Program:

Older residential homes and older sanitary sewer mains were built out of Vitrified Clay Pipe (VCP). Due to shifting ground and the age of some of these pipes, tree roots can break through and other cracks can form in the pipe causing leaks and potential backups into the home. To help prevent this, the Village annually provides a cost sharing program to line the residential service from the main to the home.

**[Lateral Sewer Lining Program \(/home/showpublisheddocument/11553/637443271561670000\)](/home/showpublisheddocument/11553/637443271561670000)**

**[Lateral Sewer Lining Program FAQs \(/home/showpublisheddocument/11559/637443271580270000\)](/home/showpublisheddocument/11559/637443271580270000)**

**[Lateral Sewer Lining Program FAQs \(/home/showpublisheddocument/11559/637443271580270000\)](/home/showpublisheddocument/11559/637443271580270000)**

### Lead Service Line Replacement Program:

Although uncommon, a portion of older homes in the Village were constructed with lead water service lines from the shutoff valve to the home. Although Bartlett's source water is lead-free, lead from the lead water service can leach into the water and cause elevated lead levels in the drinking water. To combat this, the Village is providing a cost sharing program to replace the lead water service line with a copper service from the shut-off valve to the water meter.

**[Lead Service Replacement Program \(/home/showpublisheddocument/11549/637443271543370000\)](/home/showpublisheddocument/11549/637443271543370000)**

**[Lead Service Replacement Program \(/home/showpublisheddocument/11549/637443271543370000\)](/home/showpublisheddocument/11549/637443271543370000)**

**[Lead Service Replacment FAQs \(/home/showpublisheddocument/11555/637443271568230000\)](/home/showpublisheddocument/11555/637443271568230000)**

### Overhead Sewer Program:

The Village of Bartlett Overhead Sewer Program was established to provide financial assistance to homeowners who desire to protect their home from flooding during a heavy rain event. Typically, homes which have experienced sewer back-ups and flooded basements during a heavy rain event have a gravity type sewer. The existing sewer underneath the basement floor drains to the sewer in the street by gravity. When the Village sanitary sewers become overloaded due to the rain, the gravity type sewer is subject to back-up. Changing the basement plumbing system to an Overhead Sewer can protect the basement from back-ups.

**[Overhead Sewer Program \(/home/showpublisheddocument/11551/637443271554630000\)](/home/showpublisheddocument/11551/637443271554630000)**

**[Overhead Sewer FAQs \(/home/showpublisheddocument/11557/637443271573370000\)](/home/showpublisheddocument/11557/637443271573370000)**

## PW Projects News

### Streets & Water Projects

To see current and upcoming PW projects on an interactive map, please use this link to the website [Maps Webpage. \(/how-do-i/view/maps\)](#).

#### STREET PROJECTS

~ **METRA Oak Street Crossing Rehab** - The project is scheduled to begin at 8 a.m. on Wednesday, 8/12 and continue until 8 a.m. on Friday, 8/21, when the road is expected to be reopened. Detour signs will be put up one week in advance. METRA contractor Road Safe will remove the asphalt and crossing rubber, replace tracks in the crossing, install new standard crossing concrete pads and repave.

#### ~ 2020 Pavement Preservation Project

Bartlett will be performing asphalt rejuvenating maintenance on Village streets (see list below). Please be advised that the contractor CAM, LLC is scheduled to start work on Tuesday, 8/4/2020. There will be NO on-street parking between 8 a.m. and 5 p.m. from Tuesday, 8/4 thru Friday, 8/7. (Please be aware that this treatment is weather dependent, if the forecast calls for rain, operations will be delayed).

If you have a lawn sprinkling system that sprays or drains onto the street pavement you should turn it off for the day in which work will be performed on your street and one day following the treatment. Also please refrain from discharging your sump pump onto the street during this time. [Q&A and More Info \(/home/showpublisheddocument/11243/637317146781270000\)](#)

#### 2020-2021 RECLAMITE STREETS

MORNINGLORY LANE	6705 sy	STRUCKMAN TO POINTSETTA
HEATHER LANE	2690 sy	MORNINGLORY TO POINTSETTA
POINTSETTA LANE	2865 sy	STRUCKMAN TO GARDENIA
HONEYSUCKLE LANE	943 sy	HEATHER TO FOSTER
PINETREE LANE	2486 sy	STRUCKMAN TO APPLETREE
RAILROAD AVE.	6112 sy	BERTEAU TO PROSPECT
FORD LANE	5942 sy	LELA TO PATRICIA
PATRICIA LANE	2442 sy	FORD TO QUEENS PKWY.
BRYCE COURT	863 sy	PATRICIA TO END
WILCOX DRIVE	7179 sy	SBRD TO PROSPECT
LAMBERT LANE	6872 sy	SPAULDING TO BELCOURT LN.
THORNBURY DRIVE	9097 sy	LAMBERT TO END
EDINBURGH DRIVE	3856 sy	THORNBURY TO BILTMORE
VERSAILLES DRIVE	7330 sy	LAMBERT TO BILTMORE
BILTMORE DRIVE	6325 sy	EDINBURGH TO VERSAILLES
NEWPORT LANE	5726 sy	DEVON TO WILMINGTON
WILLMINGTON DRIVE	<u>4413 sy</u>	PROSPECT TO DEVON
<b>TOTAL</b>	<b>81,846 sy</b>	

~ **IDOT Army Trail Road/Route 59 Intersection Improvements** - The Illinois Department of Transportation (IDOT) announced that improvements to the intersection of Illinois 59 (Sutton Road) and Army Trail Road, in Bartlett, will begin, weather permitting, 9/3/2019.

In order to complete the work, daily lane closures, lane width reductions to 11 feet and lane shifts will be necessary. The project consists of widening the road for dual left turn lanes on Illinois 59, adding a right turn lane on Army Trail Road, replacing a storm sewer, relocating a noise abatement wall, installing new medians and modernizing traffic signals. **The work is expected to be complete by October 2020.**

Motorists can expect delays and should allow extra time for trips through this area. Drivers are urged to pay close attention to flaggers and signs in the work zones, obey the posted speed limits and be on the alert for workers and equipment.

Click here to find details on other [construction projects in IDOT's District 1](http://www.idot.illinois.gov/about-idot/stay-connected/news-releases/Construction/releases) (<http://www.idot.illinois.gov/about-idot/stay-connected/news-releases/Construction/releases>). Updates on the impacts to traffic are available at [www.travelmidwest.com](http://www.travelmidwest.com) (<http://www.travelmidwest.com>).

## **WATER PROJECTS**

~ **2020 WATER MAIN REPLACEMENT PROJECT** - this work will begin on Friday, 7/17 or Monday, 7/20, weather permitting. This project consists of the installation of approximately 5700 feet of 6-inch water main on four separate streets in the Country Creek Subdivision ([click to see map \(/how-do-i/view/maps\)](#)). The water main installation will include fire hydrants, valves and vaults, service connections and abandoning the existing water main. Other work related to the installation of the water main will be pressure testing and chlorination, curb, sidewalk, pavement removal and replacement and restoration.

**DOWNERS GROVE STAFF TRAINING - 2020-2021**

SPONSOR	CERTIFICATE DATE	TITLE	CREDIT	ATTENDEE
IAFSM	3/11/2020	2020 IAFSM ANNUAL CONFERENCE	10	BEHR, KERRY
IAFSM	3/11/2020	2020 IAFSM ANNUAL CONFERENCE	10	LOMAX, JULIE
IAFSM	3/11/2020	2020 IAFSM ANNUAL CONFERENCE	10	NIKOLOV, ZLATKO
IAFSM	3/11/2020	2020 IAFSM ANNUAL CONFERENCE	10	WELCH, JOHN
HYDRO INT.	3/24/2020	INNOVATIONS IN FILTRATION	1	McCLAIN, BILL
FILTREXX	4/7/2020	SWPPP FOR SMARTIES	1	NIKOLOV, ZLATKO
FILTREXX	4/9/2020	COMPOST AROUND THE WORLD	1	NIKOLOV, ZLATKO
RUEKERT-MIELKE	4/22/2020	EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES	1	GRAVES, STEPHANIE
RUEKERT-MIELKE	4/22/2020	EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES	1	NIKOLOV, ZLATKO
RUEKERT-MIELKE	4/22/2020	EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES	1	TOCK, JIM
SWS	4/29/2020	EROSION CONTROL SOLUTIONS FOR YOUR LOW IMPACT DEVELOPMENT PROJECTS	1	TOCK, JIM
STORMWATER ONE	4/30/2020	NON-STRUCTURAL BMPS	1	NIKOLOV, ZLATKO
DPCSM	6/10/2020	DUPAGE COUNTY'S POLLUTION PREVENTION TRAINING	1.5	BEHR, KERRY
DPCSM	6/10/2020	DUPAGE COUNTY'S POLLUTION PREVENTION TRAINING	1.5	LOMAX, JULIE
DPCSM	6/17/2020	DUPAGE COUNTY'S POLLUTION PREVENTION TRAINING	1.5	BEHR, KERRY
CONTECH	6/24/2020	DESIGNING ECONOMICAL STORMWATER STORAGE AND TREATMENT SYSTEMS TO MEET CHICAGO AREA REGULATIONS	1	NIKOLOV, ZLATKO
NPCA	6/25/2020	DESIGNING EFFICIENT AND RESILIENT STORMWATER INFRASTRUCTURE FOR A CHANGING CLIMATE	2	GRAVES, STEPHANIE
AbTech	8/19/2020	PLANNING YOUR NEXT STORMWATER PROJECT	1	LOMAX, JULIE
EMI	8/19/2020	ACTIVITY 450 WATERSHED MANAGEMENT	1	LOMAX, JULIE
FEMA	9/1/2020	INTRODUCTION TO THE NFIP	2	McCLAIN, BILL
TCF / DPCSM	10/8/2020	RAISE THE BAR ON STORMWATER DESIGN	1	BEHR, KERRY
TCF / DPCSM	10/8/2020	RAISE THE BAR ON STORMWATER DESIGN	1	LOMAX, JULIE
TCF / DPCSM	10/8/2020	RAISE THE BAR ON STORMWATER DESIGN	1	NIKOLOV, ZLATKO
EMI	10/14/2020	CRS & SUBSTANTIAL DAMAGE PROPERTY MANAGEMENT PLANS	1	LOMAX, JULIE
IDOT	11/6/2020	DOCUMENTATION OF CONTRACT QUANTITIES	14	NIKOLOV, ZLATKO
TCF / DPCSM	11/12/2020	TREES AND WATER SENSITIVE URBAN DESIGN	1	BEHR, KERRY
EMI	11/18/2020	ACTIVITY 370 FLOOD INSURANCE PROMOTION	1	LOMAX, JULIE
RJN	11/18/2020	MS4 OPERATIONS TRAINING	2	LOMAX, JULIE
RJN	11/18/2020	MS4 OPERATIONS TRAINING	2	McCLAIN, BILL
DPCSM	12/3/2020	DUPAGE COUNTY'S GREEN INFRASTRUCTURE TRAINING	1.5	BEHR, KERRY
DPCSM	12/10/2020	DUPAGE COUNTY'S GREEN INFRASTRUCTURE TRAINING	1.5	BEHR, KERRY
DPCSM	12/10/2020	DUPAGE COUNTY'S GREEN INFRASTRUCTURE TRAINING	1.5	LOMAX, JULIE
EMI	12/15/2020	CHANGES IN THE CRS: THE 2021 ADDENDUM TO THE CRS MANUAL	1	LOMAX, JULIE
EMI	12/16/2020	CRS CREDIT FOR CONSERVATION AND RECOVERY OF THREATENED AND ENDANGERED SPECIES	1	LOMAX, JULIE
USDOT / HWI	12/16/2020	MAINTENANCE TRAINING SERIES: ROADWAY DRAINAGE	1	GRAVES, STEPHANIE
TCF / DPCSM	2/11/2021	STORMWATER RUNOFF AND TREE CANOPY	1	BEHR, KERRY
APWA	2/17/2021	NEW ORLEANS GREEN INFRASTRUCTURE FROM CONCEPT TO CONSTRUCTIBILITY	1	TOCK, JIM
APWA	2/17/2021	HOW WILL WE FIND ENOUGH MONEY TO FUND STORMWATER PROJECTS? PUBLIC-PRIVATE PARTNERSHIPS, LOCAL BALLOT MEASURES, AND MORE	1	TOCK, JIM
FILTREXX	2/17/2021	COMPOST BMPS FOR TARGETED POLUTANT REMOVAL	1	LOMAX, JULIE
APWA	2/18/2021	SOLVING URBAN FLOODING IN VEGAS - HOW TO BUILD FLOOD RESILIENT COMMUNITIES AT A REGIONAL LEVEL	1	TOCK, JIM
APWA	2/18/2021	COUNTY STORMWATER TOOLS: ASSET MANAGEMENT AND WATERSHED PLAN IMPLEMENTATION THROUGH AN OPEN SOURCE APPLICATION	1	TOCK, JIM
TCF	2/25/2021	BEYOND THE BASICS	2.5	McCLAIN, BILL
TCF / DPCSM	2/25/2021	BEYOND THE BASICS	3.5	GRAVES, STEPHANIE
TCF / DPCSM	2/25/2021	BEYOND THE BASICS	3.5	NIKOLOV, ZLATKO
IAFSM	3/11/2021	2021 IAFSM ANNUAL CONFERENCE		BEHR, KERRY
IAFSM	3/11/2021	2021 IAFSM ANNUAL CONFERENCE		LOMAX, JULIE
IAFSM	3/11/2021	2021 IAFSM ANNUAL CONFERENCE		SIKICH, ANDY
IAFSM	3/11/2021	2021 IAFSM ANNUAL CONFERENCE		WELCH, JOHN
DPCSM	VARIOUS	DuPAGE COUNTY MUNICIPAL ENGINEERS GROUP - 2020: MARCH, MAY, JUNE, JULY, AUG, SEPT, OCT	7	BEHR, KERRY
DPCSM	VARIOUS	DuPAGE COUNTY MUNICIPAL ENGINEERS GROUP - 2020: MARCH, AUG, OCT	3	LOMAX, JULIE
DRSCWG	VARIOUS	DUPAGE RIVER SALT CREEK WORKGROUP MEETINGS (AUG AND OCT 2020)	2	BEHR, KERRY
DRSCWG	VARIOUS	DUPAGE RIVER SALT CREEK WORKGROUP MEETINGS (2020 - APRIL, JUNE, AUG, OCT, DEC, AND 2021 FEB)	6	LOMAX, JULIE

Downers Grove Rain Barrel Sale – July 16, 2020





Julie Lomax <jlomax@downers.us>

### Village of Downers Grove E-News

1 message

Village of Downers Grove <e-news@downers.us>

Fri, Sep 18, 2020 at 3:52 PM

Reply-To: e-news@downers.us

To: jlomax@downers.us



September 18, 2020

## Village News

### VOTER INFORMATION

The last day to register or transfer registration for the November 3, 2020, Consolidated Election is:

- **IN-PERSON REGISTRATION:** Tuesday, October 20, 2020.
- **ONLINE REGISTRATION:** Sunday, October 18, 2020. Please visit the Illinois Online Voter Registration website. The online application requires a valid Illinois Driver's License or State ID.



[MORE...](#)



### MAPLE AVENUE CROSSING WORK

Overnight work will be completed on the train tracks along the BNSF Rail Line between Berwyn and Downers Grove from September 17 through September 20.

In Downers Grove, temporary nightly closures will occur at the Maple Avenue crossing:

- Saturday, September 19 from 6:00 p.m. to 9:00 a.m.
- Sunday, September 20 from 4:00 p.m. to 4:00 a.m.

During the overnight construction, all trains passing the work zones will be required to sound their whistles.



### SEPTEMBER IS PREPAREDNESS MONTH

National Preparedness Month, recognized each September, provides an opportunity to remind us that we all must prepare ourselves and our families now and throughout the year. In times of crisis, it is important to be self-sufficient as police, fire and rescue may not be able to reach you quickly. Crews may be delayed by downed trees or power lines, or they may be overwhelmed by the demand from the emergency.

Learn more about preparedness at [ready.gov](https://ready.gov) and [ready.illinois.gov](https://ready.illinois.gov)



### COMMISSIONER CANDIDATES MUST FILE NOMINATING PETITIONS

Downers Grove residents wishing to run for the office of Commissioner in the February 23, 2021, Primary Election and

### YOUR RESPONSE TO THE 2020 CENSUS MATTERS

Health clinics. Fire departments. Schools. Even roads and highways. The census can shape many different aspects of your community. It's not too late. Complete the census today at <https://2020census.gov/>

the April 6, 2021, Consolidated Election must file their Statements of Candidacy and nominating petitions between November 16 and 23, 2020, 8:00 a.m. to 5:00 p.m., in the office of the Village Clerk at Village Hall, 801 Burlington Avenue. [MORE...](#)



### INTRODUCING WATERSMART

The Village of Downers Grove recently partnered with WaterSmart Software to offer residents a modern digital portal where you can access detailed information about your household water use.

With WaterSmart, you can view your water usage, check for leaks, set-up alerts or see how your water use compares to similar sized homes in your neighborhood. You'll also get access to customized recommendations on how you can save water and money.

You can reach the portal on your mobile device or web browser [HERE](#) and learn more by watching the video below.



## Community



### DUPAGE COUNTY BLOOD DRIVE

An 8-day blood drive is being coordinated at multiple locations across DuPage County from 9/20 to 9/27. Those interested are requested to follow the instructions on the website and schedule a donation appointment at [one of the locations listed](#):

- Sunday, 9/20, 10:00 am - 2:00 pm: Addison Township Office Event Center
- Monday, 9/21, 12:30 pm - 6:00 pm: Bensenville Library
- **Tuesday, 9/22, 9:30 am - 3:30 pm: ASGE Conference Room ABC, 3300 Woodcreek Dr, Downers Grove**
- Wednesday, 9/23, 12:30 pm - 5:30 pm: Ashton Place in the Emerald Room, Willowbrook
- Thursday, 9/24, 12:30 pm - 6:30 pm: Carol Stream Library
- Friday, 9/25, 12:30 pm - 6:30 pm: Wheaton Park District Community Center Memorial Room
- Saturday, 9/26, 7:00 am - 11:30 am: St. Irene's Catholic Church in the lower level Activity Center, Warrenville
- Sunday, 9/27, 9:00 am - 2:00 pm: Alfred Ruben Riverwalk Community Center, Naperville

Questions about the drive can be directed via call or text to Camille Piazza with Versiti Blood Centers of Illinois at 847-305-9998.

### ROTARY CLUB FOOD DRIVE

The Downers Grove Rotary Club will hold a food and supply drive through the month of September to benefit FISH Food Pantry.

The following items are needed:

- Paper towels
- Kleenex
- Toilet paper
- Flour
- Sugar
- Body wash
- Laundry detergent
- Liquid hand soap
- Dish soap
- Canned goods
- Gift cards to Jewel or local restaurants



Items can be dropped off at the following locations through Sept. 29:

- My Special Toy Store, 5137 Main St.
- With Rotary President Jonathan Twitty at State Farm, 414 75th St.

Residents can also schedule a no-contact pickup of donation items by calling:

- Lisa at 630-479-1392
- Ann at 630-956-1000



Get creative & join the 1st Annual Pumpkin Decorating Contest downtown Downers Grove! Fill out the entry form by Sept. 20th then decorate a pumpkin with a family friendly theme. Pumpkins will be on display October 9th-23rd in participating downtown [Downers Grove](#) businesses! Space is limited and entries will be taken on a first come, first served basis. No real carved pumpkins will be allowed. Visit [downtowndg.org](http://downtowndg.org) or call 630.725.0991 for more information.



#### WATER QUALITY WEBINARS

In partnership with *The Conservation Foundation*, [DuPage County Stormwater Management](#) is hosting a monthly Water Quality Webinar series. Open to everyone, these free webinars will provide tips on ways to protect local waterways and ecosystems.

Beginning in September, the hour-long webinars will be held the third Wednesday of each month from 1 to 2pm. Advanced registration is required.

- 10/21/2020 at 1:00-2:00 pm: [Celebrating OAKtober with a Healthy Yard](#)

Learn about the significance of oaks in Illinois and what challenges they are facing across our region. Get involved in supporting our natural area by planning a healthy, native garden in your own yard. This presentation will cover the natural history of Illinois, current challenges facing oak ecosystems, why your yard is critical to helping oaks and how you can do your part!



SAVE THE DATE  
**2020 Virtual  
 Deicing Workshops**

Hosted by:  
 DuPage River Salt Creek Workgroup,  
 Lower DuPage River Watershed Coalition,  
 Lower Des Plaines Watershed Group, and  
 The Conservation Foundation

Public Roads  
 Thursday, October 1, 2020  
 8 am—12 pm

Parking Lots & Sidewalks  
 Thursday, October 8, 2020  
 8 am—12pm

Public Roads  
 Wednesday, October 14, 2020  
 8 am—12 pm



REGISTRATION INFORMATION COMING SOON

Registration will be available through [DRSCW.org](http://DRSCW.org) and [SaltSmart.org](http://SaltSmart.org)

**DUPAGE COUNTY MENTAL HEALTH RESOURCES**

It's normal to feel stressed during these unprecedented times. The COVID-19 pandemic is stressful for many. Fear and anxiety about a new disease and what could happen can be overwhelming and cause strong emotions in adults and children. If you or someone you know is experiencing a mental health crisis, please contact our **Crisis Services at 630-627-1700**.

For more information on maintaining your mental health during COVID-19, click [HERE](#).



**DOWNTOWN DOWNERS GROVE MARKET**

The Downtown Downers Grove Market is open on Saturdays from 7:00 a.m. to 12:30 p.m. through October 17. For updates, follow the market's [Facebook](#) page!

See below for new guidelines for this season.



## WELCOME MARKET SHOPPERS

**\*Market Hours: 7:00-12:30**



**You must wear a face mask**



**Do not touch products unless you are buying**



**Use credit/EBT/debit or cash no change will be offered**



**Maintain social distance while you wait in line**



**One Member per household when possible: No dogs.**



**Wash all produce before eating/using**

*\*First 30 minutes reserved for seniors and high-risk*

INDIAN BOUNDARY YMCA | 711 10th Street, Downers Grove, IL 60518 | 630.568.8400

### **ABOUT DOWNERS GROVE**

*The Village of Downers Grove, IL, population 48,867, is located 22 miles west of Chicago. Convenient access to Chicago via rail and several major expressways make Downers Grove a prime location to live, work and do business. Downers Grove is home to many corporate and regional headquarters including Advocate Aurora Health Care, Dover Corporation, and Pepperidge Farm. Highly ranked schools were a top factor in Downers Grove being named one of the Top 10 Livable Cities for kids by Livability.com. Downers Grove has also been recognized by Forbes as one of America's Friendliest Towns.*

**Village of Downers Grove | 630.434.5500 | 801 Burlington Ave. Downers Grove, IL 60515**

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Julie Lomax &lt;jlomax@downers.us&gt;

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## Village of Downers Grove E-News

1 message

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**Village of Downers Grove** <e-news@downers.us>

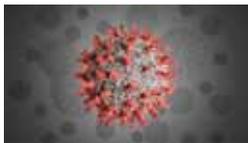
Fri, Nov 13, 2020 at 4:30 PM

Reply-To: e-news@downers.us

To: jlomax@downers.us

**November 13, 2020**

## Village News



### **VILLAGE BUILDINGS WILL BE TEMPORARILY CLOSED STARTING NOV. 16**

The health, safety and welfare of the community and staff is of the utmost importance to the Village. Taking preventative steps to slow the spread of COVID-19 is a top priority.

To help slow the spread of the virus, Village buildings will be closed to the public starting Monday, November 16, 2020, until further notice. Village Hall will be available for activities related to the nominating petitions for the 2021 Village Council Election.

We are committed to ensuring that we serve our community during this time. All services will be provided while maintaining social distancing practices. [MORE...](#)

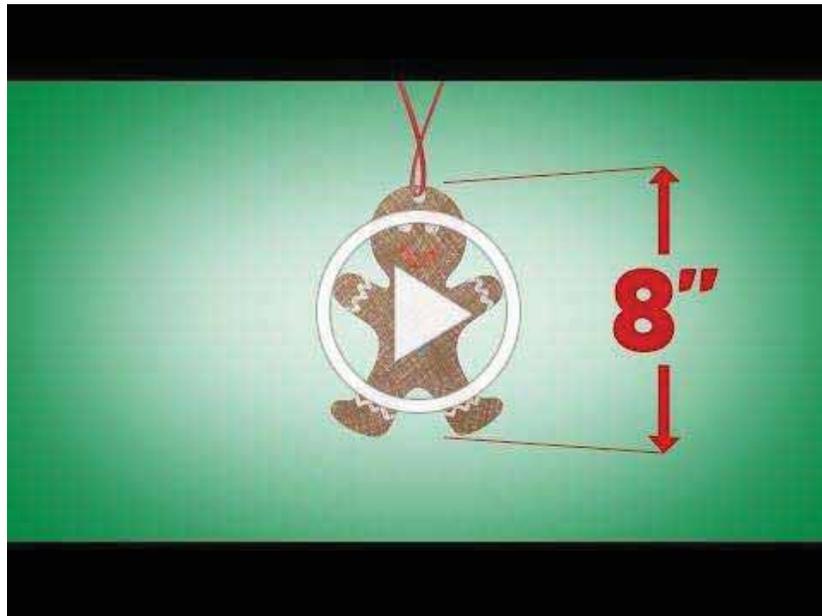
### **COMMISSIONER CANDIDATES MUST FILE NOMINATING PETITIONS**

Downers Grove residents wishing to run for the office of Commissioner in the February 23, 2021, Primary Election and the April 6, 2021, Consolidated Election must file their Statements of Candidacy and nominating petitions between **November 16 and 23, 2020, 8:00 a.m. to 5:00 p.m., in the office of the Village Clerk at Village Hall, 801 Burlington Avenue.** [MORE....](#)

### **ORNAMENTS NEEDED FOR HOLIDAY TREE**

We need your artistic creations to decorate this year's Holiday Tree at the Main Street Train Station. Ornaments may be submitted by individuals of all ages, scout troops, senior groups ...anyone in the community!

Check out the video, then fill out the [form](#) and drop off your craft at Public Works by November 20.

**LET'S DO THIS!**

## Community



### **BOY SCOUT FOOD DRIVE FOR FISH PANTRY**

***Saturday, November 14, 2020***

***10:00 a.m. to 4:00 p.m.***

***4340 Prince St., Downers Grove***

The following non-perishable, non-expired items are in high demand:

- Canned or bagged beans
- Canned tuna, chicken and other meats
- Soups, stews, broths, chowder, chili and hash
- Canned mini hams
- Canned fruits and vegetables
- Cereal; Cookies, crackers
- Boxed mixes (cakes, brownies, muffins, bread, pancakes)
- Instant mashed potatoes and stuffing; Pasta sauce; Boxed meals
- Coffee, tea bags, hot cocoa mix; Juice
- Dried lentils, split peas, pinto beans; Jarred turkey gravy
- Peanut butter; Jams, jellies
- Ketchup, mustard, barbecue sauce; Syrup
- Paper products
- Cooking oils
- White rice; Instant oatmeal
- Shampoo, body soap, disposable razors

The donation event will be contact-free. Donors can pull up to the drop-off location and items will be removed from your trunk by volunteers wearing gloves and masks.

### **HOUSEHOLD HAZARDOUS WASTE EVENT**

***November, 14, 2020, 8:00 a.m. to 3:00 p.m.***

***DuPage County Fairgrounds, 2015 Manchester Rd, Wheaton, IL***

DuPage County residents may safely dispose of household hazardous and chemical waste items during this free collection event. [MORE.....](#)



# DUPAGE COUNTY

## HOUSEHOLD HAZARDOUS (CHEMICAL) WASTE EVENT

NOVEMBER 14, 2020

8:00 AM – 3:00 PM

DU PAGE COUNTY CAMPUS  
MAIN ENTRANCE, WHEATON, IL  
Enter from County Farm Rd.

### Accepted Items

- Used oil, used, Antifreeze / Old Gasoline / Auto Fluids
- Household Chemicals & Cleaners
- Solvents / Pool Chemicals
- Cooking Oil
- Poisons / Pesticides
- Paint thinners
- Aerosol paints
- Oil Based Paints & Stains
- Unwanted Medication (Non-DEA controlled)
- Lawn & Garden Chemicals
- Liquid & Solid Fertilizers
- Rechargeable & Lithium Batteries
- Automotive & Boat Batteries
- Fluorescent Light bulbs (Limit 15/Car)
- Compact Fluorescent Lights (CFLs)
- Mercury & Mercury Containing Items
- Small Propane Tanks Only
- Small Refrigerant Tanks Only

### Items Not Accepted

- Ammunition
- Fireworks & Explosives
- Fire Extinguishers
- Latex Based Paint
- Sharps/Syringes
- Medical Waste
- DEA Controlled Medication
- DEA Controlled Substances
- Radioactive Material
- Gas Cylinders (except small handheld propane)
- Refrigerants (except small handheld size)
- Household Garbage
- Business or Institutional Waste
- Empty Containers
- Traditional Recyclables



# DUPAGE COUNTY

DuPage County Environmental Division – (630) 407-6700

[www.dupageco.org/recyclingevents](http://www.dupageco.org/recyclingevents)



### WATER QUALITY WEBINARS

In partnership with *The Conservation Foundation*, [DuPage County Stormwater Management](#) is hosting a monthly Water Quality Webinar series. Open to everyone, these free webinars will provide tips on ways to protect local waterways and ecosystems.

The hour-long webinars will be held the third Wednesday of each month from 1 to 2pm. Advanced registration is required.

- 11/18/2020 at 1:00-2:00 pm: [Salt Smart-Save More](#)

Before you salt your driveway this winter, find out how much is too much and how you can be safe and reduce the amount of salt going down the drain into the rivers and streams. Learn the impact the salt has to the wildlife and water quality.

## DUPAGE COUNTY MENTAL HEALTH RESOURCES

It's normal to feel stressed during these unprecedented times. The COVID-19 pandemic is stressful for many. Fear and anxiety about a new disease and what could happen can be overwhelming and cause strong emotions in adults and children. If you or someone you know is experiencing a mental health crisis, please contact our **Crisis Services at 630-627-1700**.



For more information on maintaining your mental health during COVID-19, click [HERE](#).



# I'M SO STRESSED OUT!

## Is it stress or anxiety?

Stress	Both Stress and Anxiety	Anxiety
<ul style="list-style-type: none"> <li>• Generally is a response to an <i>external</i> cause, such as taking a big test or arguing with a friend.</li> <li>• Goes away once the situation is resolved.</li> <li>• Can be positive or negative. For example, it may inspire you to meet a deadline, or it may cause you to lose sleep.</li> </ul>	<p>Both stress and anxiety can affect your mind and body. You may experience symptoms such as:</p> <ul style="list-style-type: none"> <li>• Excessive worry</li> <li>• Uneasiness</li> <li>• Tension</li> <li>• Headaches or body pain</li> <li>• High blood pressure</li> <li>• Loss of sleep</li> </ul>	<ul style="list-style-type: none"> <li>• Generally is <i>internal</i>, meaning it's your reaction to stress.</li> <li>• Usually involves a persistent feeling of apprehension or dread that doesn't go away, and that interferes with how you live your life.</li> <li>• Is constant, even if there is no immediate threat.</li> </ul>

## Ways to Cope

- Keep a journal.
- Download an app with relaxation exercises.
- Exercise and eat healthy.
- Get regular sleep.
- Avoid excess caffeine.
- Identify and challenge your negative thoughts.
- Reach out to your friends or family.

## Find Help

If you are struggling to cope, or the symptoms of your stress or anxiety begin to interfere with your everyday life, it may be time to talk to a professional. Find more information about getting help on the National Institute of Mental Health website at [www.nimh.nih.gov/findhelp](http://www.nimh.nih.gov/findhelp).



**NIH** National Institute of Mental Health

[www.nimh.nih.gov/stressand anxiety](http://www.nimh.nih.gov/stressand anxiety)

**ABOUT DOWNERS GROVE**

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# Village of Downers Grove E-News

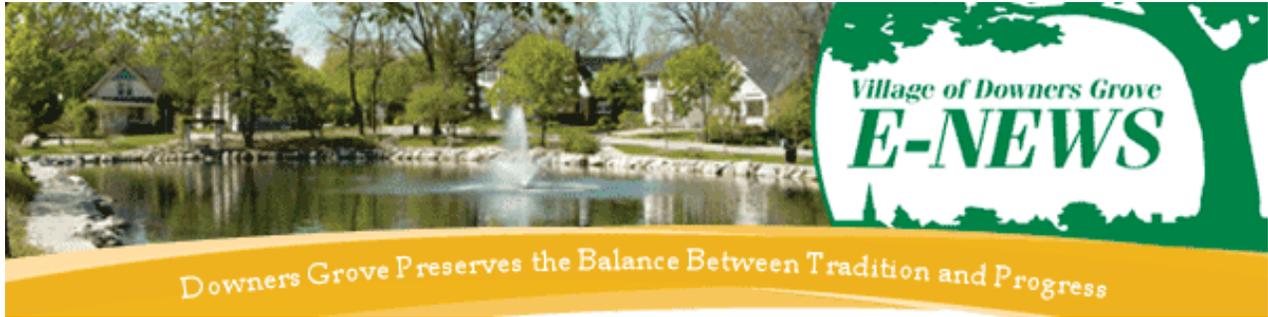
1 message

Village of Downers Grove <e-news@downers.us>

Fri, Jul 17, 2020 at 3:24 PM

Reply-To: e-news@downers.us

To: jlomax@downers.us



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July 17, 2020

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Join Our Mailing List!

## Village News



### DUPAGE COUNTY BUDGET SURVEY

The County's annual budget survey is online! The survey informs the County Board on various issues related to the annual spending plan. Let us know your thoughts with this quick survey! [MORE...](#)



PRESENTED BY DOWNERS GROVE PUBLIC LIBRARY AND THE VILLAGE OF DOWNERS GROVE

### LIBRARY TO HOST LISTENING SESSION ON POLICING

Wednesday, August 5, 2020  
7:00 p.m. to 8:30 p.m.  
Park District Recreation Center,  
4500 Belmont Rd.  
Downers Grove, IL

The Downers Grove Public Library will host a Listening Session for community members about Policing in Downers Grove. Since the death of George Floyd on May 25, 2020, while in the custody of Minneapolis police officers, many community members

have expressed interest in understanding the Downers Grove Police Department's policies and practices.

This program is an opportunity for Downers Grove community members to have their voices heard on policing issues. Active listeners include Downers Grove Village Manager Dave Fieldman, Chief of Police Shanon Gillette, and District 99 Superintendent Dr. Hank Thiele. [MORE...](#)



### VILLAGE COUNCIL MEETING

Tuesday, July 21, 2020, 7:00 p.m.

The meeting will be held in the Council Chambers. If you plan to attend in person, please wear a mask and follow social distancing guidelines.

### GET THE DOWNERS GROVE MOBILE APP!

Stay in touch with the Village....download the DG CRC app for your smart phone

Submit requests for service, receive automatic updates, make online payments, and more with your iPhone or Android device. The app also links to the Village website, Facebook, Twitter, and YouTube pages. Watch this short, introductory [VIDEO](#).

### CONDUCTING VILLAGE BUSINESS REMOTELY

To access Village services remotely please visit [Conducting Village Business Remotely](#).



### COMMUNITY RESOURCES

It's ok to reach out for help when you need it. Whether it's locating a food pantry or other services, link to area resources [HERE](#).



### During Difficult Times, Call4Calm Text Line is Here to Help

If you or a loved one are struggling with stress related to the COVID-19 pandemic, or the protests around the country and need emotional support, **text TALK to 552020 for**

### AGENDA

The meeting will also be broadcast live on [DGTV Channel 6](#) and streamed live on the Village's [YouTube Channel](#).

### HEAT ADVISORY FOR JULY 18

A Heat Advisory is in effect for Saturday, July 18, 2020, from noon to 10:00 p.m. According to the National Weather Service, heat index values near 105 are expected. [MORE...](#)

**Hot and Humid Conditions for Saturday**  
Strong Thunderstorms Possible Late Saturday Night into Sunday

<b>Hazards</b> Hot and humid conditions will combine to produce dangerous heat index values of 105°F or higher Saturday  Strong thunderstorms containing gusty winds and producing torrential rainfall possible late Saturday night into Sunday	<b>FRI</b>  86-89°	<b>SAT</b> HEAT ADVISORY  Hot, humid and breezy 92-95°	<b>SUN</b> CHANCE  Strong storms possible 87-91°
	<b>FRI NIGHT</b>  68-73°	<b>SAT NIGHT</b> CHANCE  Strong storms possible late	<b>SUN NIGHT</b>  Slight chance of storms 66-73°

National Weather Service Chicago | Issued: Friday, July 17, 2020 6:35 AM | Photo: Ron Leffler

### PLEASE HELP KEEP STORM DRAINS CLEAR

Grass clippings, leaves and other debris covering storm drains can lead to flooding and other problems.



Storm Drains



### CENSUS 2020

Due to the COVID-19 pandemic, the deadline to complete the U.S. Census has been extended to October 31, 2020.

It's safe, secure, and confidential. Your information and privacy are protected. Your response helps to direct billions of dollars in federal funds to local communities for schools, roads, and other public services.

It takes just a few short minutes to be counted. Complete the census [HERE](#).

### **English or HABLAR for Spanish.**

This service is free and available 24 hours a day, seven days a week. Callers seeking assistance remain anonymous and will provide only their first name and zip code, which enables the service to link you to a counselor in your area who is knowledgeable about available local resources. [MORE...](#)

### **PAY YOUR UTILITY BILL AUTOMATICALLY WITH DIRECT DEBIT**

It's the secure easy way to pay your Village utility bill. Watch this short video to learn how it works. [MORE...](#)

### **WEAR IN THIS TOGETHER!**

See Pierce Downer. Pierce founded Downers Grove. He's wearing a mask to protect others from COVID-19. According to the [Illinois Department of Public Health](#), COVID-19 can spread between people in close proximity - speaking, coughing, or sneezing - even if they are not exhibiting symptoms. A simple cloth face covering can help slow transmission of the virus.

So let's be like Pierce. Please wear a mask to protect your friends, neighbors and vulnerable populations.



## **Community**



### **DOWNTOWN DOWNERS GROVE MARKET**

The Downtown Downers Grove Market is open on **Saturdays from 7:00 a.m. to 12:30 p.m.** through October 17.

For updates, follow the market's [Facebook](#) page!

See below for new guidelines for this season.



## WELCOME MARKET SHOPPERS

**\*Market Hours: 7:00-12:30**



You must wear a face mask



Do not touch products unless you are buying



Use credit/EBT/debit or cash no change will be offered



Maintain social distance while you wait in line



One Member per household when possible: No dogs.



Wash all produce before eating/using

**\*First 30 minutes reserved for seniors and high-risk**

INDIAN BOUNDARY YMCA | 711 59th Street, Downers Grove, IL 60516 | 630.968.8400



**EVERY OTHER TUESDAY: MAY 26 through AUGUST 18**

Following the guidelines established in the Restore Illinois Plan, the Downers Grove Park District has made the difficult decision to cancel live concerts traditionally held at Fishel Park in 2020.

But don't worry! We're going to bring the FREE Concert Series to you at **7PM every other Tuesday evening from May 26 to Aug. 18**...virtually! View the lineup and details [HERE](#).

Concert Series can be enjoyed from the comfort of your own home or backyard during live-streamed concerts hosted on [Facebook](#).

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Thu, Jul 2, 2020 at 4:56 PM

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July 2, 2020

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### COMMUNITY RESOURCES

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### CONDUCTING VILLAGE BUSINESS REMOTELY

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### Village News

#### INDEPENDENCE DAY

Most Village offices will be closed on Friday, July 3, in observance of the Independence Day holiday.

#### VILLAGE COUNCIL MEETING

Tuesday, July 7, 2020, 7:00 p.m.

The Village Council will return to meeting in the Council Chambers. If you plan to attend in person, please wear a mask and follow social distancing guidelines. [AGENDA](#)

The meeting will also be broadcast live on [DGTV Channel 6](#) and streamed live on the Village's [YouTube Channel](#).

#### RAIN BARREL SALE

The Village of Downers Grove and The Conservation Foundation are teaming up to offer rain barrels for sale.

Rain barrels are large containers that capture rainwater at the end of a downspout and store the water for later use, for example in watering plants or

washing cars. Using water from rain barrels lowers water bills, helps reduce flooding, and can have a dramatic impact on water quality in our rivers and streams.

Find all the details of the sale [HERE](#).



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Rain Barrel Promo 2020

**ILLINOIS FIREWORKS LAWS**

Did you know that fireworks are illegal in Downers Grove and in Illinois? Firecrackers, bottle rockets, cherry bombs, and the like are prohibited. Although fireworks can easily be purchased legally in nearby states, it is illegal to bring them into Illinois. Fines for illegal fireworks range between \$75.00 to



**Fireworks Safety**

FIREWORKS are often used to mark special events and holidays. The only safe way to view fireworks is to attend a professional show. With many professional fireworks shows being canceled this year, it is important to know that **fireworks are not safe in the hands of consumers.** Fireworks cause thousands of injuries each year.

**A few ideas to get into the patriotic spirit, without fireworks:**

1. Use glow sticks, they glow in the dark and are a safe alternative to a sparkler. Fun for all ages.
2. Loud and proud. Noise makers are sure to make a statement. They can be found at local party supply stores or make your own.
3. Outdoor movie night. Set up a screen and projector. Don't forget the bugspray!
4. Red, white and blue silly string...fun for all ages.
5. Make a patriotic craft with the family.
6. Throw a birthday party for the USA, and don't forget the cake.

**FACTS**

- ① More than 19,500 reported fees are started by fireworks annually.
- ① Burns account for 44% of the 9,100 injuries treated in emergency rooms seen in the month around July 4.
- ① Half of the fireworks injuries seen at emergency rooms were extremities: hand, finger, or leg. One-third were to the eye or other parts of the head.
- ① Children ages 10-14 had the highest rate of fireworks injury, with more than one-third (36%) of the victims of fireworks injuries under age 15.
- ① Sparklers account for roughly one-quarter of emergency room fireworks injuries.

**1200 °F Sparklers**



**HOW HOT DOES A SPARKLER BURN?**

Source: U.S. Consumer Product Safety Commission (CPSC) 2018 Fireworks Annual Report



**NATIONAL FIRE PROTECTION ASSOCIATION**  
The leading information and knowledge resource on fire, electrical and related hazards

Your Logo

nfpa.org/education © NFPA 2020



**ILLINOIS EPA RESUMES PHASED-IN VEHICLE EMISSIONS TESTING: Testing Hours Extended!**

Beginning July 6, the twelve centralized vehicle emissions testing locations will offer extended testing hours on Saturdays, Mondays, and Tuesdays to accommodate motorists that did not have their vehicles tested during the COVID-19 pandemic. Testing hours for Wednesday through Friday will remain the same. [MORE...](#)

**Community**

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To: jlomax@downers.us

Fri, May 15, 2020 at 4:39 PM



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May 15, 2020

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#### CONDUCTING VILLAGE BUSINESS REMOTELY

Village buildings remain closed to the public until further notice.

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Thank you for your patience and understanding as we continue to respond during these challenging times.



**GET THE DOWNERS GROVE MOBILE APP!**

#### Village News

##### DUPAGE COUNTY LAUNCHES SMALL BUSINESS RELIEF GRANT PROGRAM

DuPage County has created a grant program to support small businesses and independent contractors impacted by COVID-19. Choose DuPage is hosting a webinar on the program on May 15. The online grant application will be available on May 18. [MORE...](#)



##### DOWNERS GROVE RESTAURANTS OFFERING DELIVERY AND CARRY-OUT--**Recently Updated.....additional restaurants now open!**

Many Downers Grove restaurants are offering delivery and carry out options during the Stay-At-Home order. Our partners at the Economic Development

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Submit requests for service, receive automatic updates, make online payments, and more with your iPhone or Android device. The app also links to the Village website, Facebook, Twitter, and YouTube pages. Watch this short, introductory [VIDEO](#).

Help us ensure an accurate count.



Learn more at [2020census.gov](https://2020census.gov).

## CENSUS 2020

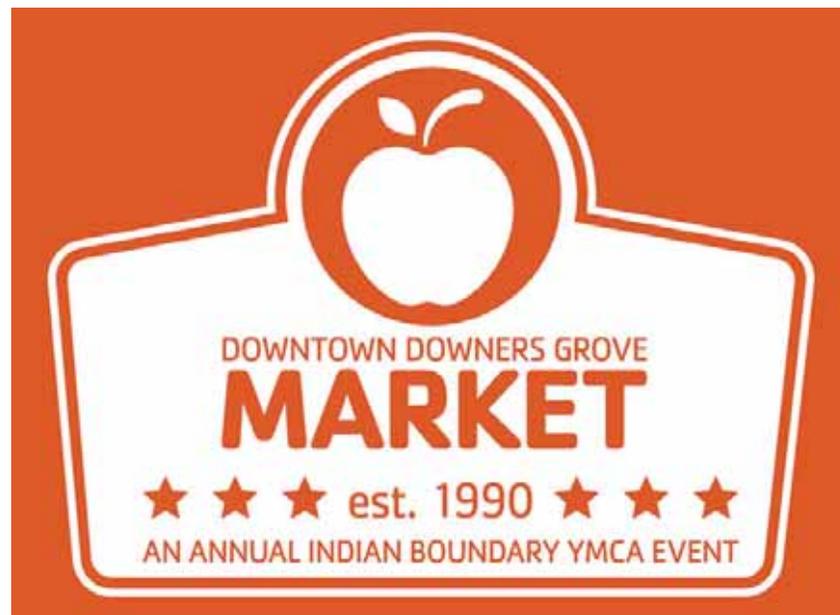
By April 1, 2020, every home will receive an invitation to participate in the 2020 Census. You will be able to respond online, by phone or by mail. [MORE....](#)

## PAY YOUR UTILITY BILL AUTOMATICALLY WITH DIRECT DEBIT

It's the secure easy way to pay your Village utility bill. Watch this short video to learn how it works. [MORE....](#)

Corporation have put together a [full list](#) of the 155 restaurants that are open for business.

## Community



### OPENING DATE ANNOUNCED! JUNE 6

The Downtown Downers Grove Market will officially open on Saturday, June 6! Over the three weeks, the Indian Boundary YMCA market committee will be working closely with vendors to carefully prepare and plan for the opening.

For updates, follow the market's [Facebook](#) page!



### FREE WEBINARS!

The Conservation Foundation is hosting a series of free webinars for the remainder of April and also in May!

**All webinars are from 1:00 p.m. to 2:00 p.m.**

Here are the topics for May and the link to register via Zoom.

**May 18**-Turning Your Neighborhood Pond Into Habitat

[https://us02web.zoom.us/webinar/register/WN\\_cPAVa\\_QZQm-a3dKShsh3w](https://us02web.zoom.us/webinar/register/WN_cPAVa_QZQm-a3dKShsh3w)

**May 21**-Fixing Common Landscape Problems with a Rain Garden

[https://us02web.zoom.us/webinar/register/WN\\_I46za0YIQ3aR0Gg0pchng](https://us02web.zoom.us/webinar/register/WN_I46za0YIQ3aR0Gg0pchng)



### MAY IS RIVER SWEEP MONTH!

The Conservation Foundation has declared the entire month of May as DuPage River Sweep Month and encourages everyone (regardless of what county you're in) to get out and show some love to a waterway near you!

Our health and the health of our communities are directly tied to the health of our rivers and streams, so let's get out there and make a difference!

Learn more [HERE](#).

### COMMUNITY RESOURCES

It's ok to reach out for help when you need it. Whether it's locating a food pantry or other services, link to area resources [HERE](#).



### **workNet DUPAGE SUPPORTS WORKERS IMPACTED BY COVID-19**

Our partners at the Downers Grove Economic Development Corporation (DGEDC) want to share this important information from workNet DuPage. With their new [From Layoff to Launch](#) webpage, DuPage County residents can quickly and easily access a wide range of assistance to take back control of their careers in these uncertain times.

### **About Downers Grove**

*The Village of Downers Grove, IL, population 48, 867, is located 22 miles west of Chicago. Convenient access to Chicago via rail and several major expressways make Downers Grove a prime location to live, work and do business. Several major corporations have business operations in Downers Grove including Advocate Health Care, Dover Corporation, Pepperidge Farm, DeVry, Inc. and Sanford, maker of Sharpie and Paper Mate. Highly ranked schools were a top factor in Downers Grove being named one of the Top 10 Livable Cities for kids by Livability.com. Downers Grove has also been recognized by Forbes as one of America's Friendliest Towns.*

Village of Downers Grove, 801 Burlington Ave., Downers Grove, IL 60515

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## Village of Downers Grove E-News

1 message

Village of Downers Grove <e-news@downers.us>

Fri, Oct 16, 2020 at 4:30 PM

Reply-To: e-news@downers.us

To: jlomax@downers.us



**October 16, 2020**

## Village News

### VOTER INFORMATION

**Early Voting:** Downers Grove Village Hall will be an Early Voting site from October 19 - November 2, 2020. Hours are M-F, 8:30 a.m. to 7:00 p.m. and Saturdays and Sundays from 9:00 a.m. to 5:00 p.m.

**Voter Registration:** The last day to register or transfer registration for the November 3, 2020, Consolidated Election is:

- **IN-PERSON REGISTRATION:** Tuesday, October 6, 2020.
- **ONLINE REGISTRATION:** Sunday, October 18, 2020. Please visit the Illinois Online Voter Registration website. The online application requires a valid Illinois Driver's License or State ID.



[MORE....](#)



### REMEMBER: WEAR IN THIS TOGETHER!

A friendly reminder from our founder, Pierce Downer, to practice the 3 W's:

- **WEAR** a mask.
- **WASH** your hands, frequently with soap and water for at least 20 seconds. If not available, use hand sanitizer.
- **WATCH** your distance. Stay at least 6 feet apart from others.



### GET WATERSMART!

The Village of Downers Grove recently partnered with *WaterSmart* Software to offer residents a digital portal to access detailed information about your household water use.

With WaterSmart, you can view your water usage, check for leaks, set up alerts or see how your water use compares to similar sized homes in your neighborhood. You'll also get access to customized recommendations on how you can save water and money.

You can reach the portal on your mobile device or web browser [HERE](#) and learn more by watching the video .

### PROPER DISPOSAL OF PPE

Our partners at DuPage County have asked that we share this important message on PPE Disposal. Masks and gloves placed in the recycling stream are creating an issue for the recycling industry. It is putting workers at risk, slowing down sorting lines and causing tangles in the equipment.

PPE tossed on the ground creates an environmental and health hazard and disinfecting wipes in the sewer system is causing significant blockages and equipment failures.

Please remember to place used PPE and wipes in the trash.



### COVID CONTACT NUMBER

Residents who test positive for COVID-19 may receive a call from the number **312-777-1999** or Caller ID: COVID CONTACT. Please read the DuPage County Health Department [press release](#).



### COMMISSIONER CANDIDATES MUST FILE NOMINATING PETITIONS

Do you want to get involved in your local government? Downers Grove residents wishing to run for the office of Commissioner in the February 23, 2021, Primary Election and the April 6, 2021, Consolidated Election must file their Statements of Candidacy and nominating petitions between November 16 and 23, 2020, 8:00 a.m. to 5:00 p.m., in the office of the Village Clerk at Village Hall, 801 Burlington Avenue. [MORE....](#)

## Community



### DOWNTOWN DOWNERS GROVE MARKET

#### *FINAL WEEK!*

The Downtown Downers Grove Market will conclude the season on **Saturday, October 17** . Hours are from 7:00 a.m. to 12:30 p.m.

# A Brush With Fun!



Rotary Club of Downers Grove proudly presents its annual

## HALLOWEEN WINDOW PAINTING

**Saturday, October 24th – 9 a.m. 'til Noon**  
**Kids Kindergarten through 6th Grade**

- No Registration Required • Bring Your Canned Goods for F.I.S.H. Pantry!
- Pick Your Own Window (Striped Only!) • 1st Come, 1st Served. • Please adhere to the social distancing guidelines set forth by the IDPH for the safety of your family, the community and the volunteers.

*Rotary Club Halloween Window Painting Headquarters is located in front of the Downtown D.G. Management Corp., 933A Curtiss St.*

### Window Painting Guidelines & Information:

- Kids in grades Kindergarten through 6th are only allowed to participate.
- We are seeking donations of at least one canned good for the local F.I.S.H. Pantry.  
*(You are encouraged to bring lots of canned food items to help the hungry and less fortunate.)*
- Pick up your paint, brush and drop off canned goods on Saturday morning at Downers Grove Downtown Management at 933A Curtiss or out in front of Ballydoyle on Main Street
- Paint will be supplied to participants courtesy of the Rotary Club of Downers Grove and the Downtown Downers Grove Management Corporation. Paint brushes will be provided courtesy of Beil & Stromberg Insurance. Paint and brushes will be available while supplies last. Bring paper towels & water and other items you may want to have available for the kids.
- Water based paints are the only type of paints permitted! Paint may be applied to the glass portion of the window only. Dark paints can't be used over large areas of the windows.
- Painting can begin as early as 9 a.m. and conclude by Noon • No reserving of windows permitted • Have FUN!

If you have any questions, comments, or suggestions regarding Halloween Window Painting, go to [www.dgrotary.org](http://www.dgrotary.org).



### PAPER SHREDDING

**Saturday, October 24, 2020, 9:00 a.m. to 12:00 p.m.**

**Commuter Parking Lot C, just south of the LISLE Village Hall, 925 Burlington Ave.**

The Village of Lisle, in partnership with DuPage County is host to this Document Destruction Event.

Papers can be brought to the event in shopping bags or cardboard boxes (please, no plastic bags). **Individuals are limited to three paper shopping bags or two copier paper sized boxes per vehicle.** Paper clips and staples can remain in the documents, but please remove binders and metal clips. Event staff will help remove the documents from vehicles and load them into a mobile shredding truck, where they will be cross-cut shredded onsite, then recycled.

The event will end at 12:00 p.m. OR when the shred trucks have met capacity. [MORE...](#)

## WATER QUALITY WEBINARS

In partnership with *The Conservation Foundation*, [DuPage County Stormwater Management](#) is hosting a monthly Water Quality Webinar series. Open to everyone, these free webinars will provide tips on ways to protect local waterways and ecosystems.

Beginning in September, the hour-long webinars will be held the third Wednesday of each month from 1 to 2pm. Advanced registration is required.

- **10/21/2020 at 1:00-2:00 pm: [Celebrating OAKtober with a Healthy Yard](#)**

Learn about the significance of oaks in Illinois and what challenges they are facing across our region. Get involved in supporting our natural area by planning a healthy, native garden in your own yard. This presentation will cover the natural history of Illinois, current challenges facing oak ecosystems, why your yard is critical to helping oaks and how you can do your part!

## DUPAGE COUNTY MENTAL HEALTH RESOURCES

It's normal to feel stressed during these unprecedented times. The COVID-19 pandemic is stressful for many. Fear and anxiety about a new disease and what could happen can be overwhelming and cause strong emotions in adults and children. If you or someone you know is experiencing a mental health crisis, please contact our **Crisis Services at 630-627-1700**.

For more information on maintaining your mental health during COVID-19, click [HERE](#).



# My Mental Health: Do I Need Help?

First, determine how much your symptoms interfere with your daily life.



## Do I have mild symptoms that have lasted for less than 2 weeks?

- Feeling a little down
- Feeling down, but still able to do job, schoolwork, or housework
- Some trouble sleeping
- Feeling down, but still able to take care of yourself or take care of others



## If so, here are some self-care activities that can help:

- Exercising (e.g., aerobics, yoga)
- Engaging in social contact (virtual or in person)
- Getting adequate sleep on a regular schedule
- Eating healthy
- Talking to a trusted friend or family member
- Practicing meditation, relaxation, and mindfulness

If the symptoms above do not improve or seem to be worsening despite self-care efforts, talk to your health care provider.



## Do I have severe symptoms that have lasted 2 weeks or more?

- Difficulty sleeping
- Appetite changes that result in unwanted weight changes
- Struggling to get out of bed in the morning because of mood
- Difficulty concentrating
- Loss of interest in things you usually find enjoyable
- Unable to perform usual daily functions and responsibilities
- Thoughts of death or self-harm



## Seek professional help:

- Psychotherapy (talk therapy)—virtual or in person; individual, group, or family
- Medications
- Brain stimulation therapies

For help finding treatment, visit [www.nimh.nih.gov/findhelp](http://www.nimh.nih.gov/findhelp).

If you are in crisis, call the National Suicide Prevention Lifeline at 1-800-273-TALK (8255), or text the Crisis Text Line (text HELLO to 741741).



[www.nimh.nih.gov/findhelp](http://www.nimh.nih.gov/findhelp)

## ABOUT DOWNERS GROVE

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### SNIPPETS

#### LEAF IT TO FALL

Autumn is just around the corner. As the leaves begin to fall from the trees, the potential for stormwater backups due to blocked grates, culverts, and drainage pipes increases.

Significant numbers of leaves in creeks tend to accumulate at bends and collect in culverts, acting as a dam. This can increase high water levels in the area, along with the potential for flooding of adjacent houses.

Leaves collecting in a detention basin can block outlet pipes, causing standing water for long periods of time. Leaves covering storm grates on the streets cause excess standing water on the roadways. Leaves left in ditches can block driveway culverts, causing them to overflow or not drain effectively.

In addition, as leaves break down they release phosphorus, which at high levels, is not healthy for the ecosystem of the creek.

Here are a few reminders to help minimize these problems:

- **Do not** place raked leaves in the streets or ditches.
- **Do not** place leaves in or adjacent to a creek.
- **Do not** allow leaves to accumulate within detention basins.
- If you are able, please clear leaves off inlet grates along your front curb as part of your raking routine.

If you observe any of the above conditions and suspect a blocked pipe or culvert, please call Public Works at 630.434.5460.



#### DAYLIGHT SAVING TIME ENDS

Don't forget to turn the clock back one hour before turning in on Saturday, October 31. Daylight Saving Time ends at 2:00 a.m. on November 1, 2020.

#### ORNAMENTS NEEDED FOR HOLIDAY TREE

Attention scout leaders, teachers, youth groups and Downers Grove kids! Handmade ornaments are needed to decorate the holiday tree at the Main Street Train Station. **Ornaments must be delivered to PUBLIC WORKS, 5101 WALNUT AVE. by November 13, 2020.** Visit [downers.us](http://downers.us) for more information.

#### YARD WASTE COLLECTION ENDS FOR THE YEAR

*The week of December 7* will be the final week of yard waste collection. Please remember that leaves may not be raked into the curb/street and must be bagged and stickered.

#### CHANGE YOUR CLOCK, CHANGE YOUR BATTERY

The Downers Grove Fire Department recommends you change the battery in all smoke/carbon monoxide alarms in your home when you change the time. A working smoke alarm more than doubles your chances of surviving a home fire. Also, don't forget to test them every month!

Project Name	Created	County	County Permit Num	Post Construction BMP	PCBMP Type
NCC Residence Hall	9/10/2014	DuPage	N/A	Onsite	Wetland Detention
Uncle Julio's - Freedom Plaza	5/7/2015	DuPage	N/A	Offsite	Oil/Grit/Mechanical Separator
JSG Subdivision	5/13/2015	DuPage	N/A	Onsite	Other
Fogo de Chao - Freedom Plaza	6/30/2015	DuPage	N/A	Offsite	Oil/Grit/Mechanical Separator
Water Street District	2/5/2015	DuPage	07-25-0017	Onsite	Underground Detention
Iron Gate Motor Condos	3/21/2014	DuPage	10-25-0005	Onsite	Wetland Detention
1044 S. Route 59	9/1/2015	DuPage	N/A	Onsite	Other
Villas at Trafford Place	9/4/2015	DuPage	N/A	Onsite	Wetland Detention
HarborChase	3/2/2015	DuPage	N/A	Onsite	Wetland Detention
Burlington Meadows Subdivision	3/12/2015	DuPage	N/A	Onsite	Wetland Detention
Freedom Commons Lot 1	4/17/2015	DuPage	N/A	Onsite	Vegetated Swale
Pita Inn - Freedom Plaza	6/7/2016	DuPage	N/A	Offsite	Oil/Grit/Mechanical Separator
Atwater	10/5/2015	DuPage	15-25-0004	Onsite	Wetland Detention
Naperville Center for Sleep Medicine	8/4/2016	Will	N/A	Onsite	Infiltration Trench
Bauer Place Phase 1 and Phase 2	8/11/2016	DuPage	N/A	Onsite	Wetland Detention
84 Lumber	9/26/2016	DuPage	N/A	Onsite	Porous Pavement
NCC Brainard Parking Lot	9/30/2016	DuPage	N/A	Offsite	Wetland Detention
Metro Storage	10/21/2016	DuPage	N/A	Onsite	Wetland Detention
Sedgwick	10/6/2016	DuPage	N/A	Onsite	Wetland Detention
Iron Gate Phase 2A	3/2/2016	DuPage	N/A	Onsite	Wetland Detention
Linden Woods	4/25/2016	DuPage	15-25-0002	Onsite	Wetland Detention
Washington Street Pedestrian Bridge Project		Will	N/A	Onsite	Vegetated Swale
2151 Fisher Drive	12/14/2016	DuPage	16-25-002	Onsite	Wetland Detention
Charleston Reserve	1/9/2017	DuPage	N/A	Onsite	Wetland Detention
804 Jackson Sport Court		DuPage	N/A	Onsite	Infiltration Trench
Cima Pride - North Aurora		DuPage		Onsite	Underground Detention
Point Blank Gun Range		DuPage		Offsite	Wetland Detention
940 N Loomis	8/2/2017	DuPage	N/A	Onsite	Infiltration Trench
Olesen Pines - 75771 (1036) Olesen Drive	8/2/2017	DuPage	N/A	Onsite	Infiltration Trench
Enterprise Rental Parking Expansion	8/2/2017	DuPage	N/A	Onsite	Underground Detention
80 Forest Ave	8/2/2017	DuPage	N/A	Onsite	Wet Pond
Party City Building Expansion		DuPage	17-25-0004	Onsite	Wetland Detention
Burlington Woods Estates	8/2/2017	DuPage	N/A	Onsite	Wet Pond
DMG Rickert Subdivision (Ogden Bend Development)	8/2/2017	DuPage	N/A	Onsite	Underground Detention
First Midwest Bank	8/6/2015	DuPage	N/A	Onsite	Infiltration Trench
Noah's of Naperville	4/28/2014	DuPage	N/A	Onsite	Oil/Grit/Mechanical Separator
ASHWOOD PARK SOUTH UNIT 3 PHASE 1 FULL ENGINEERING	7/17/2013	Will	N/A	Onsite	Wet Pond
Freedom Plaza	8/14/2013	DuPage	N/A	Onsite	Oil/Grit/Mechanical Separator
Naperville Center South	7/16/2013	DuPage	N/A	Onsite	Dry Detention
Ozark Automotive	7/16/2013	DuPage	N/A	Onsite	Dry Detention
Timber Grove Subdivision	10/24/2014	DuPage	N/A	Onsite	Infiltration Trench
Wisdom Path	12/18/2014	DuPage	N/A	Onsite	Infiltration Trench
Park's Edge	8/14/2015	DuPage	N/A	Onsite	Infiltration Trench
Park District Activity Center	3/4/2015	DuPage	N/A	Onsite	Wetland Detention
Ellsworth Street Subdivision		DuPage		Onsite	Underground Detention
NCC Sesquicentennial Walkway Extension		DuPage		Onsite	Vegetated Swale
Charleston Row	8/2/2017	DuPage	N/A	Onsite	Underground Detention
Naperville Gymnastics	6/29/2015	DuPage	N/A	Onsite	Wetland Detention
Atwater Phase 2	8/4/2016	DuPage	15-25-0004	Onsite	Wetland Detention
Granite City - Freedom Plaza	1/27/2014	DuPage	N/A	Offsite	Oil/Grit/Mechanical Separator
Heatherfield Subdivision	7/21/2015	DuPage	15-25-0003	Onsite	Wetland Detention
The Ponds of Naperville Clubhouse		DuPage		Onsite	Vegetated Swale
1050 Prairie Avenue	9/21/2018	DuPage	N/A	Onsite	Drywell
803 W Jefferson	9/27/2018	DuPage	N/A	Onsite	Drywell
1050 Prairie Avenue	11/19/2018	DuPage	N/A	Onsite	Drywell
Charleston Row II	2/15/2019	DuPage		Infiltration Trench	Infiltration Trench
KLA Schools	2/21/2019	DuPage		StormTrap	Detention
KLA Schools	2/21/2019	DuPage		StormTrap-Detention	StormTrap-Detention
440 W Gartner Road	3/1/2019	DuPage		378 CF	Drywell
626 S Webster St	3/1/2019	DuPage		684 CF	Drywell
639 N Sleight St	3/1/2019	DuPage		521 CF	Infiltration Trench
403 Shadow Creek Court	3/1/2019	DuPage		452 CF	Infiltration Trench
223 Claremont Drive	3/8/2019	DuPage	19-25-001	5392 SF NNI	Fee-In-Lieu (\$2696) Paid 3/15/19
Naperville Elderly Homes	3/12/2019	DuPage		1,743 CF	Infiltration Trench
Naperville Elderly Homes	3/12/2019	DuPage		1,313 CF	Rain Garden
	3/28/2019	DuPage		344.4 cf	Sewer Trench and Subgrade
29 S Julian St	4/1/2019	DuPage		Yes (230 cf)	Drywell
29 S Julian St	4/1/2019	DuPage		Yes (136 cf)	Drywell
828 Parkside Rd	4/9/2019	DuPage		Yes (123.12 CF)	Drywell
828 Parkside Rd	4/9/2019	DuPage		Yes (103.68 CF)	Drywell 2
828 Parkside Rd	4/9/2019	DuPage		Yes (103.68 CF)	Drywell 3
55 Shuman Blvd - Rush Medical Clinic	4/18/2019	DuPage		Yes (2481 CF)	Rain Garden
Auburn Manor		DuPage		Onsite	Infiltration Trench & Basin
540 W Jefferson		DuPage		Onsite	Vegetated Swale
Naperville Volkswagon		DuPage		Onsite	Vegetated Swale
705 N Loomis St		DuPage		Drywell	Drywell
804 Jackson Ave		DuPage		Infiltration Trench	Infiltration Trench
Shoppes on Washington - Tartan Highlands		DuPage		Onsite	Wetland-Bottom Basin
Shoppes on Washington - Tartan Highlands		DuPage		Onsite	Underground Detention
830 E Hillside Rd	4/30/2020	DuPage		Onsite	Drywell - 756 cf
830 E Hillside	6/22/2020	DuPage		Onsite	Drywell
850 E Hillside Rd	1/5/2021	DuPage		Onsite	Drywell - 2601 CF

NPDES #	Facility Name	Facility City	Facility Address	Owner Name	Phone Number	County	Date Received	More Info.	Uploaded Files
ILR10BN94	FAU 1467 CH 34/31ST STREET 14-00259-05-CH	OAK BROOK	31ST ST	COUNTY OF DUPAGE	630-407- 6900	DU PAGE	06-30-2020	<a href="#">More Info.</a>	<a href="#">View Files</a>
ILR10BM02	NORTH YORK ROAD & HARGER ROAD INTERSECTION IMPROVEMENTS	OAK BROOK	N YORK RD	VILLAGE OF OAK BROOK	630-368- 5270	DU PAGE	05-11-2020	<a href="#">More Info.</a>	<a href="#">View Files</a>
ILR10BI19	WINDSOR DRIVE WIDENING PROJECT	OAK BROOK	WINDSOR DR	VILLAGE OF OAK BROOK	630-990- 3010	DU PAGE	03-12-2020	<a href="#">More Info.</a>	<a href="#">View Files</a>
ILR10BG59	Central Park - North	Oak Brook	1315 Kensington Rd	Oak Brook Park District	630-645- 9540	DU PAGE	02-18-2020	<a href="#">More Info.</a>	<a href="#">View Files</a>

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## Parking Lots & Sidewalks Deicing Workshop

Webinar presented by Fortin Consulting, Inc.

October 8, 2020

Alex Kostueck

Village of Oak Brook

4 PDHs



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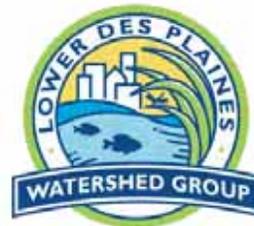
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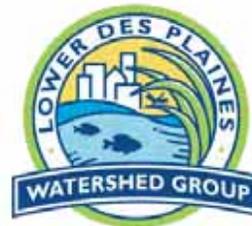
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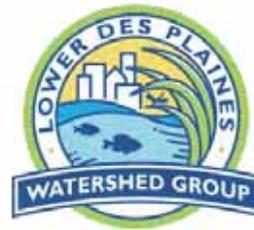
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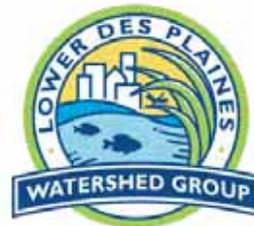
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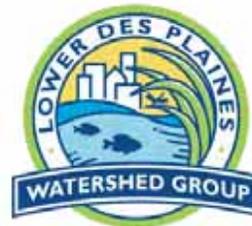
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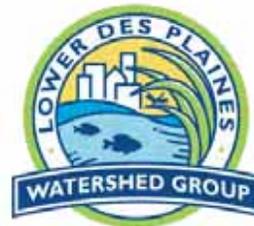
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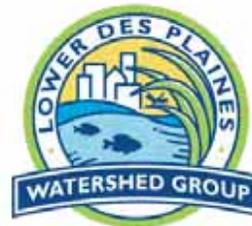
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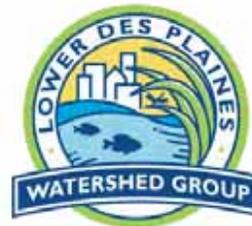
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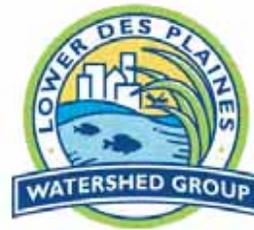
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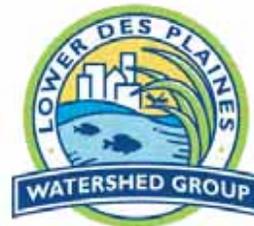
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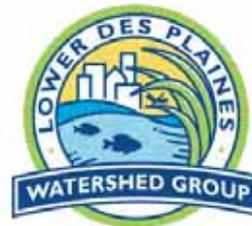
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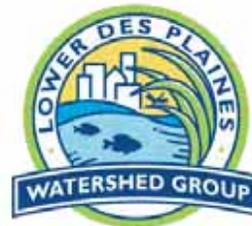
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# Certificate of Attendance

## Parking Lots & Sidewalks Deicing Workshop

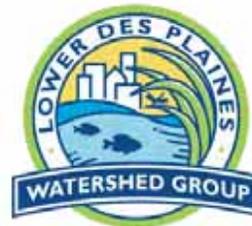
Webinar presented by Fortin Consulting, Inc.

October 8, 2020

Matt Schroedter

Village of Oak Brook

4 PDHs



# Certificate of Attendance

## Parking Lots & Sidewalks Deicing Workshop

Webinar presented by Fortin Consulting, Inc.

October 8, 2020

Pat Toland

Village of Oak Brook

4 PDHs



# Certificate of Attendance

## Parking Lots & Sidewalks Deicing Workshop

Webinar presented by Fortin Consulting, Inc.

October 8, 2020

Rich Henderson  
Village of Oak Brook

4 PDHs



# Certificate of Attendance

## Parking Lots & Sidewalks Deicing Workshop

Webinar presented by Fortin Consulting, Inc.

October 8, 2020

Rick Valent

Village of Oak Brook

4 PDHs



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## Parking Lots & Sidewalks Deicing Workshop

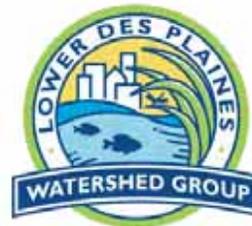
Webinar presented by Fortin Consulting, Inc.

October 8, 2020

Shawn Rice

Village of Oak Brook

4 PDHs



# Certificate of Attendance

## Parking Lots & Sidewalks Deicing Workshop

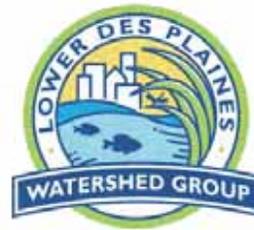
Webinar presented by Fortin Consulting, Inc.

October 8, 2020

Sean Watson

Village of Oak Brook

4 PDHs



# Certificate of Attendance

## Parking Lots & Sidewalks Deicing Workshop

Webinar presented by Fortin Consulting, Inc.

October 8, 2020

Ted Glidden

Village of Oak Brook

4 PDHs



# Certificate of Attendance

## Public Roads Deicing Workshop

Webinar presented by Fortin Consulting, Inc.

October 14, 2020

Alex Kostueck

Village of Oak Brook

4 PDHs



# Certificate of Attendance

## Public Roads Deicing Workshop

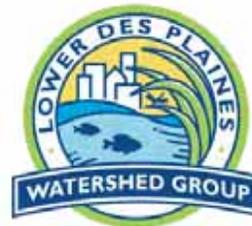
Webinar presented by Fortin Consulting, Inc.

October 14, 2020

Ben Savaglio

Village of Oak Brook

4 PDHs



# Certificate of Attendance

## Public Roads Deicing Workshop

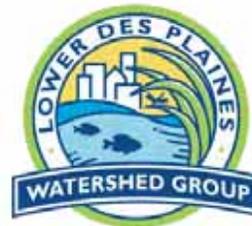
Webinar presented by Fortin Consulting, Inc.

October 14, 2020

Doug Hroba

Village of Oak Brook

4 PDHs



# Certificate of Attendance

## Public Roads Deicing Workshop

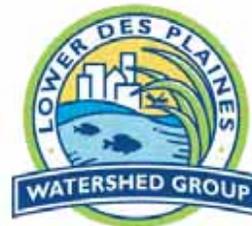
Webinar presented by Fortin Consulting, Inc.

October 14, 2020

Don Lange

Village of Oak Brook

4 PDHs



# Certificate of Attendance

## Public Roads Deicing Workshop

Webinar presented by Fortin Consulting, Inc.

October 14, 2020

Josh Crampton

Village of Oak Brook

4 PDHs



# Certificate of Attendance

## Public Roads Deicing Workshop

Webinar presented by Fortin Consulting, Inc.

October 14, 2020

James Drake

Village of Oak Brook

4 PDHs



# Certificate of Attendance

## Public Roads Deicing Workshop

Webinar presented by Fortin Consulting, Inc.

October 14, 2020

John Temes

Village of Oak Brook

4 PDHs



# Certificate of Attendance

## Public Roads Deicing Workshop

Webinar presented by Fortin Consulting, Inc.

October 14, 2020

Lee Hammer

Village of Oak Brook

4 PDHs



# Certificate of Attendance

## Public Roads Deicing Workshop

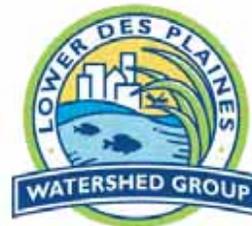
Webinar presented by Fortin Consulting, Inc.

October 14, 2020

Max Potter

Village of Oak Brook

4 PDHs



# Certificate of Attendance

## Public Roads Deicing Workshop

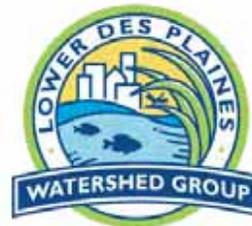
Webinar presented by Fortin Consulting, Inc.

October 14, 2020

Matt Schroedter

Village of Oak Brook

4 PDHs



# Certificate of Attendance

## Public Roads Deicing Workshop

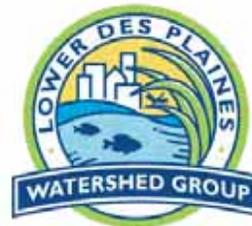
Webinar presented by Fortin Consulting, Inc.

October 14, 2020

Pat Toland

Village of Oak Brook

4 PDHs



# Certificate of Attendance

## Public Roads Deicing Workshop

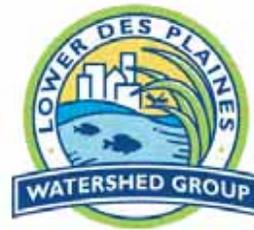
Webinar presented by Fortin Consulting, Inc.

October 14, 2020

Rich Henderson

Village of Oak Brook

4 PDHs



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## Public Roads Deicing Workshop

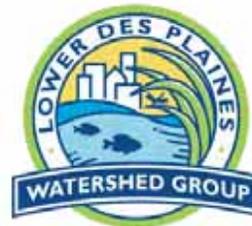
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Rick Valent

Village of Oak Brook

4 PDHs



# Certificate of Attendance

## Public Roads Deicing Workshop

Webinar presented by Fortin Consulting, Inc.

October 14, 2020

Shawn Rice

Village of Oak Brook

4 PDHs



# Certificate of Attendance

## Public Roads Deicing Workshop

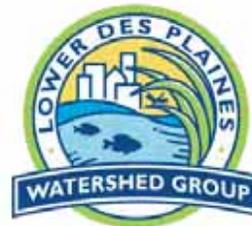
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Sean Watson

Village of Oak Brook

4 PDHs



# Certificate of Attendance

## Public Roads Deicing Workshop

Webinar presented by Fortin Consulting, Inc.

October 14, 2020

Ted Glidden

Village of Oak Brook

4 PDHs





**DuPage River Salt Creek Workgroup**

**This certificate awards 2 Professional Development Hours to**  
**Rick Valent**  
**As evidenced by sign-in sheets at the Workgroup's meetings**  
**on 6/24/20 & 10/28/20**

Presented by:  
The DuPage River Salt Creek Workgroup  
10 S 404 Knoch Knolls Road  
Naperville, IL 60565  
(630) 768-7427

---

David P. Gorman, PE, President

*Workgroup meetings include  
at least one hour of technical  
presentation and discussion.  
Some of the presentations are  
available at [www.drscw.org](http://www.drscw.org).*

November 3, 2020

---

Date

# Certificate of Completion

This Certifies That

\_\_\_\_\_  
*Attendee Name*

Has Successfully Completed  
DuPage County's Green Infrastructure Training

Date: December 3, 2020  
Location: Webinar

**Professional Development Hours (PDH): 1.5**

**Presented By:**  
**DuPage County Stormwater Management**  
**Sarah Hunn, PE - Director**

*Sarah Hunn*

\_\_\_\_\_  
*Signature*

12/3/2020

\_\_\_\_\_  
*Date*

\_\_\_\_\_  
*Attendee Signature*



# Certificate of Completion

This Certifies That

\_\_\_\_\_  
*Attendee Name*

Has Successfully Completed  
DuPage County's Green Infrastructure Training

Date: December 10, 2020  
Location: Webinar

**Professional Development Hours (PDH): 1.5**

**Presented By:**  
**DuPage County Stormwater Management**  
**Sarah Hunn, PE - Director**

*Sarah Hunn*

\_\_\_\_\_  
*Signature*

12/10/2020  
*Date*

\_\_\_\_\_  
*Attendee Signature*





## Certificate of Training

Jamie Patterson

has satisfactorily completed training during the

### 2021 IAFSM Annual Conference

9am - 10:00am ~ Opening Plenary (CEC Credit: 1.0, PDH Credit: 1.0)

Conducted by

The Illinois Association for Floodplain and Stormwater Management

Location: Virtual Online Platform

3/10/21

PDH Credits: 1.0

CEC Credits: 1.0

Diane Bouckaert, PE, CFM CPESC  
Chair, Education Outreach Committee



## Certificate of Training

Jamie Patterson

has satisfactorily completed training during the

### 2021 IAFSM Annual Conference

10:30AM-11:45PM- Session 1B Urban Flooding (CEC Credit: 1.5, PDH Credit: 1.5)

Conducted by

The Illinois Association for Floodplain and Stormwater Management

Location: Virtual Online Platform  
March 10, 2021

PDH Credits: 1.5  
CEC Credits: 1.5

Diane Bouckaert, PE, CFM CPESC  
Chair, Education Outreach Committee



## Certificate of Training

Jamie Patterson

has satisfactorily completed training during the

### 2021 IAFSM Annual Conference

1:30PM-3:00PM-Session 2B Urban Flooding (CEC Credit: 1.5, PDH Credit: 1.5)

Conducted by

The Illinois Association for Floodplain and Stormwater Management

Location: Virtual Online Platform

March 10, 2021

PDH Credits: 1.5

CEC Credits: 1.5

Diane Bouckaert, PE, CFM CPESC  
Chair, Education Outreach Committee



## Certificate of Training

Jamie Patterson

has satisfactorily completed training during the

### 2021 IAFSM Annual Conference

3:20PM-4:50PM ~ Session 3C MWRD (CEC Credit: 1.5, PDH Credit: 1.5)

Conducted by

The Illinois Association for Floodplain and Stormwater Management

Location: Virtual Online Platform  
March 10, 2021

PDH Credits: 1.5  
CEC Credits: 1.5

Diane Bouckaert, PE, CFM CPESC  
Chair, Education Outreach Committee



## Certificate of Training

Jamie Patterson

has satisfactorily completed training during the

**2021 IAFSM Annual Conference**

**9:00 AM-10:20 AM ~ Thursday Plenary (CEC Credit: 1.0, PDH Credit: 1.0)**

Conducted by

**The Illinois Association for Floodplain and Stormwater Management**

Location: Virtual Online Platform

**3/11/21**

PDH Credits: 1.0

CEC Credits: 1.0

A handwritten signature in black ink, appearing to read 'Diane Bouckaert', written in a cursive style.

Diane Bouckaert, PE, CFM CPESC  
Chair, Education Outreach Committee



## Certificate of Training

Jamie Patterson

has satisfactorily completed training during the

### 2021 IAFSM Annual Conference

10:30AM-12:00PM – Session 4A CRS/RR 2.0 (CEC Credit: 1.5, PDH Credit: 1.5)

Conducted by

The Illinois Association for Floodplain and Stormwater Management

Location: Virtual Online Platform

March 11, 2021

PDH Credits: 1.5

CEC Credits: 1.5

Diane Bouckaert, PE, CFM CPESC  
Chair, Education Outreach Committee



## Certificate of Training

Jamie Patterson

has satisfactorily completed training during the

### 2021 IAFSM Annual Conference

1:30PM-3:00PM – Session 5B Urban Flooding (CEC Credit: 1.5, PDH Credit: 1.5)

Conducted by

The Illinois Association for Floodplain and Stormwater Management

Location: Virtual Online Platform

March 11, 2021

PDH Credits: 1.5

CEC Credits: 1.5

Diane Bouckaert, PE, CFM CPESC  
Chair, Education Outreach Committee

# Certificate of Completion

This Certifies That

Kristin Mehl

*Attendee Name*

Has Successfully Completed  
DuPage County's Pollution Prevention Training

Date: June 10, 2020

Location: Webinar

**Professional Development Hours (PDH): 1.5**

**Presented By:**

**DuPage County Stormwater Management**

**Sarah Hunn, PE - Director**

*Sarah Hunn*

*Signature*

6/10/2020

*Date*

Kristin Mehl

*Attendee Signature*



# Certificate of Completion

This Certifies That

Kristin Mehl

*Attendee Name*

Has Successfully Completed  
DuPage County's Pollution Prevention Training

Date: June 17, 2020

Location: Webinar

**Professional Development Hours (PDH): 1.5**

**Presented By:**

**DuPage County Stormwater Management**

**Sarah Hunn, PE - Director**



*Signature*

6/17/2020

*Date*

Kristin Mehl

*Attendee Signature*



# Certificate of Completion

This Certifies That

Kristin Mehl

*Attendee Name*

Has Successfully Completed  
DuPage County's Green Infrastructure Training

Date: December 3, 2020

Location: Webinar

**Professional Development Hours (PDH): 1.5**

**Presented By:**

**DuPage County Stormwater Management**

**Sarah Hunn, PE - Director**



*Signature*

12/3/2020

*Date*

Kristin Mehl

*Attendee Signature*



# Certificate of Completion

This Certifies That

Kristin Mehl

*Attendee Name*

Has Successfully Completed  
DuPage County's Green Infrastructure Training

Date: December 10, 2020

Location: Webinar

**Professional Development Hours (PDH): 1.5**

**Presented By:**

**DuPage County Stormwater Management**

**Sarah Hunn, PE - Director**



*Signature*

12/10/2020

*Date*

Kristin Mehl

*Attendee Signature*

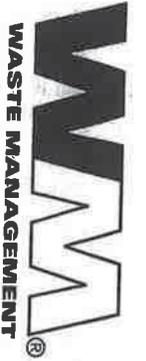


**Roselle Public Works**

Storm Sewer System Maintenance

Period: March 2020-March 2021

<u>Location</u>	<u>Problem</u>	<u>Date Completed</u>
Goose Lake @ Mensching	Pipe seperations causing suck holes in the goose lake field. Pipe is a good candidate for insituform.	5/20/2020
508 Orchard	Broken Driveway	1/19/2020
31 S Prospect	Storm manhole failing in parking lot	1/28/2020
1160 Flamingo	Storm Structure Frame Adjustment	1/19/2020
1116 Prescott	Flared End Missing Top Collar Section	2020
Rock Run	Structure Failure	2020
Central Ave Across From Botterman Plant	Faild Storm Pipe (Metal Culvert)	10/20/2020
340 Heritage Drive	Buried Storm Manhole - Not Deep	3/13/2020
Spring Court	Sanitary Frame Sticking Up	1/19/2020
Trinity Care Center	Storm manhole failing	2020
Devon by Plum Grove	Pipe Separation	2020
Cherry st and Cherry Ct	Sinkhole in street	2020
(2) 634 (1) 638 Old Farm Rd	Sinkhole in street	6/1/2020
695 Middleton	Sinkhole in street	6/1/2020
Chatham & Stockport Ct	Sinkhole in street	6/1/2020
295 Chatham	Sinkhole in street	6/1/2020
Red Maple/Shagbark	Sinkhole in street	6/1/2020
930 Springfield	Sinkhole in street	6/1/2020
834 Sunrise	Sinkhole in street	6/1/2020
Sunrise/Springfield	Sinkhole in street	6/1/2020
Quincy/Quincy Ct	Sinkhole in street	6/1/2020
390 E. Devon	Sinkhole in street	6/20/2020
150 rosewood(2)	Sinkhole in street	2020
Stockport/Stockport Ct	Sinkhole in street	2020
295 Stockport	Sinkhole in street	2020
1116 Prescott	Sinkhole in street	2020
Devon & Circle	Sinkhole in street	2020
Goose Lake 2 structures	Expose Structures	2020
Granville/Dee	Sinkhole in street	2020
Rodenburg/Prescott	Sinkhole in street	2020
830 Yosemite	Sinkhole in street	2020
255 Heritage	Sinkhole in street	2020
Metra Lot North	Sinkhole Along Curb	2020
628 Springfield	Sinkhole in street from main break	2020
829/821 Springfield	Sinkhole in parkway	2020
325 Springhill	Sinkhole in parkway	2020
Springhill/Orchard	Add Structure	2020
Bryce & Acadia	Raise Structure	2020
743 Springfield Dr	Replace section of pipe	2020
Lexington/Foster	Replace section of pipe	2020
Springhill/Foster	Repair Structure	2020



**SWEEPING**  
 5050 W. Pershing Rd.  
 Cicero, IL 60804  
 (800) 789-3350

Customer Account # 10590413

Date 11/30/00 WM Order # 592833

Customer J. Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Yellow Court

Start Time 7AM Finish Time 1:30pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty

Driver [Signature] Unit# 376

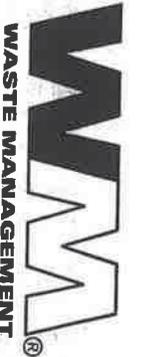
Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



**SWEEPING**  
 5050 W. Pershing Rd.  
 Cicero, IL 60804  
 (800) 789-3350

Customer Account # 10590412

Date 12/1/00 WM Order # 592883

Customer J. Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Computer Labs

Start Time 4:45AM Finish Time 6:00AM Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



**WASTE MANAGEMENT**  
**SWEEPING**  
 5050 W. Pershing Rd.  
 Cicero, IL 60804  
 (800) 789-3350

Customer Account # 1159043

WM Order # 592855

Date 4/1/20

Customer VAD Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Orangevale Rd

Start Time 7:00am Finish Time 3:30pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty ✓

Driver Dunn Unit# 303

Comments: Dunn

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



**WASTE MANAGEMENT**  
**SWEEPING**  
 5050 W. Pershing Rd.  
 Cicero, IL 60804  
 (800) 789-3350

Customer Account # 1059043

WM Order # 592887

Date 12/2/20

Customer VAD Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Red

Start Time 7AM Finish Time 1:30pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty ✓

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1086043

Date 12/3/20 WM Order # \_\_\_\_\_

Customer Ug Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) 1016 Grand Brown Court

Start Time 9:30am Finish Time 1:30pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty

Driver [Signature] Unit# 323

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

Date 12/3/20 WM Order # 592884

Customer V & Rose

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Popple Dome Red Dome Blue Dome

Start Time 6:00am Finish Time 2:15pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



Sweep #12

5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Part 5  
Sweep #12



5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

WM Order # 592613

Customer J & Roselle

P.O. #

Location(s) Purple Red & Yellow

Start Time 6AM Finish Time 1135pm Total

Down Time

Unit Type  VAC  HD

Loaded

Empty

Driver Unit# 376

Comments:

Authorized Customer Signature

Print Name

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You

Customer Account # 1059043

WM Order # 592665

Customer J & Roselle

P.O. #

Location(s) Blue & Brown

Start Time 6AM Finish Time 12155pm Total

Down Time

Unit Type  VAC  HD

Loaded

Empty

Driver Unit# 303

Comments: See You Monday 1/11

Authorized Customer Signature

Print Name

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



**WASTE MANAGEMENT**  
**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

Date 11/16/20 WM Order # 592590

Customer J Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Yellow (Done) Red (not done)

Start Time 7AM Finish Time 3:00pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



**WASTE MANAGEMENT**  
**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

Date 11/16/20 WM Order # 592695

Customer Jog Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Yellow (done), Red (not done)

Start Time 8:30AM Finish Time 3:00pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty

Driver [Signature] Unit# 303

Comments: 300 gallons of water

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



WASTE MANAGEMENT

**SWEEPING**

5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

WM Order # 592673

Date 11/18/00

Customer V. Roselle

P.O. # \_\_\_\_\_

Location(s) Red (Dore) Blue (Not Dore)

Start Time 7AM Finish Time 2:35pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



WASTE MANAGEMENT

**SWEEPING**

5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

WM Order # 592672

Date 11/19/00

Customer V. Roselle

P.O. # \_\_\_\_\_

Location(s) Orange (Dore)

Start Time 7AM Finish Time 2:00pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



WASTE MANAGEMENT

**SWEeping**

5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 10590413

Date 11/9/20 WM Order # 592674

Customer VJ Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Blue Dandy Brown Dandy Purple Dandy

Start Time 6:00am Finish Time 12:00pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty 2

Driver  Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*

part out  
#11  
SweeD



**WASTE MANAGEMENT**  
**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

Date 10/29/20 WM Order # 592588

Customer

Job# P.O. #

Location(s) Blue, Brown & Purple (Done)

Start Time 6 AM Finish Time 2:30pm Total

Down Time Adj. Total

Unit Type  VAC  HD Loaded Empty

Driver Unit# 303

Comments:

Authorized Customer Signature

Print Name

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You

#12



**WASTE MANAGEMENT**  
**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

Date 11/9/20 WM Order # 592537

Customer

Job# P.O. #

Location(s) Yellow

Start Time 7 AM Finish Time 3pm Total

Down Time Adj. Total

Unit Type  VAC  HD Loaded Empty

Driver Unit# 303

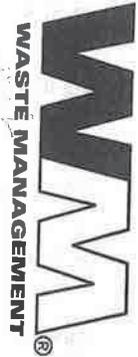
Comments: 63054 P. for Dr - Blowing leaves

Authorized Customer Signature

Print Name

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

#12

Customer Account # 1059043

Date 11/10/00 WM Order # 592591

Customer V & Roselle

Job# P.O. #

Location(s) O'Connell

Start Time 7AM Finish Time 1:15pm Total

Down Time Adj. Total

Unit Type  VAC  HD Loaded Empty

Driver [Signature] Unit# 303

Comments:

Authorized Customer Signature

Print Name

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

#12

Customer Account # 1059043

Date 11/10/00 WM Order # 592612

Customer V & Roselle

Job# P.O. #

Location(s) Red

Start Time 7AM Finish Time 3:10pm Total

Down Time Adj. Total

Unit Type  VAC  HD Loaded Empty

Driver [Signature] Unit# 376

Comments: 10500 yepula Raking into Street

Authorized Customer Signature

Print Name

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You

#1D



WASTE MANAGEMENT  
**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

WM Order # 599332

Date 10/14/00 V & Roseke

Customer \_\_\_\_\_ P.O. # \_\_\_\_\_

Job# \_\_\_\_\_ Location(s) Purple Hill

Start Time 6:00 AM Finish Time 2:00 PM Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver \_\_\_\_\_ Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You

#1D



WASTE MANAGEMENT  
**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

WM Order # 599331

Date 10/14/00 V & Roseke

Customer \_\_\_\_\_ P.O. # \_\_\_\_\_

Job# \_\_\_\_\_ Location(s) Yellow Hill

Start Time 7:00 AM Finish Time 2:00 PM Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver \_\_\_\_\_ Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You

#10



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account #

Date 10/15/20

WM Order #

Customer

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s)

Start Time \_\_\_\_\_ Finish Time \_\_\_\_\_ Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver \_\_\_\_\_ Unit# 303

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You

#10



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account #

Date 10/19/20

WM Order #

Customer

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Red, Blue & Brown

Start Time 7:30 AM Finish Time 2:45 PM Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver \_\_\_\_\_ Unit# 303

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You

#11



**WASTE MANAGEMENT**  
**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1257045

Date 10/26/00 WM Order # 592391

Customer VB Russell

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Yellow (Done)

Start Time 7AM Finish Time 3:00pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver \_\_\_\_\_ Unit# 303

Comments: 475 Aveberry Ln Palmyra in Street

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You

#11



**WASTE MANAGEMENT**  
**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

Date 10/26/00 WM Order # 592391

Customer VB Russell

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Yellow (Done)

Start Time 7AM Finish Time 3:00pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty

Driver \_\_\_\_\_ Unit# 303

Comments: 475 Aveberry Ln Palmyra in Street

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You

#11



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 105904

Date 11/17/10 WM Order # 100997

Customer Roselle

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) Residential Sweeping

Start Time 11:00 Finish Time 12:00 Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver [Signature] Unit# 540026

Comments: \_\_\_\_\_

Authorized Customer Signature Nicky

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information)

Thank You

#11



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 105904

Date 11/17/10 WM Order # 100997

Customer Roselle

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) Residential Sweeping

Start Time 11:00 Finish Time 12:00 Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver [Signature] Unit# 540026

Comments: Orange

Authorized Customer Signature Nicky

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You

#11



WASTE MANAGEMENT  
SWEEPING  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 7059013

Date 10/28/20 WM Order # 592427

Customer V & Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Red

Start Time 7AM Finish Time 11:35AM Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty X

Driver [Signature] Unit# \_\_\_\_\_

Comments: 315 + 325 Handled at 2880 Chatham Ln

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



WASTE MANAGEMENT

**SWEEPING**

5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

Date 10/12/00 WM Order # 592212

Customer V & Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Yellow

Start Time 7AM Finish Time 3pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty X

Driver [Signature] Unit# 376

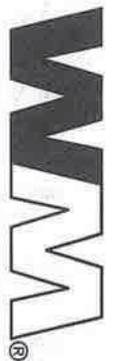
Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



WASTE MANAGEMENT

**SWEEPING**

5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

Date 10/13/00 WM Order # 592230

Customer V & Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Orange

Start Time 7AM Finish Time 3:00pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty X

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
**(800) 789-3350**

Customer Account # 1059042

Date 9/24/20 WM Order # 591939

Customer V of Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Commuter Lots

Start Time 4:45 AM Finish Time 6 AM Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEPING**

5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

Date 9/23/20 WM Order # 591937

Customer V & Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Red

Start Time 7AM Finish Time 11:00pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEPING**

5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

Date 9/24/20 WM Order # 591938

Customer V & Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Blue Purple Brown Red Bones

Start Time 6AM Finish Time 12:30pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

Date 09/21/00 WM Order # 591936

Customer V of Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Orange (Dore)

Start Time 7AM Finish Time 1:40pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

Date 09/21/00 WM Order # 591932

Customer V of Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Yellow (Dore)

Start Time 7AM Finish Time 1:20pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059042

Date 9/10/20

WM Order # 591798

Customer V & Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Commuter Lots

Start Time 4:45AM Finish Time 6:00AM Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

Date 01/01/00 WM Order # 591783

Customer V & Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Brown & Purple (Done) Blue (M/D)

Start Time 7AM Finish Time 1:50pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty 2

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

Date 01/01/00 WM Order # 591745

Customer V & Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Orange (Done)

Start Time 7AM Finish Time 2:05pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty 2

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 10580413

Date 9/11/00 WM Order # 591785

Customer V & Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Yellow Blue (Done)

Start Time 7AM Finish Time 2pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 10590413

Date 9/10/00 WM Order # 591784

Customer V & Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Red (Done) Blue (Not Done)

Start Time 6AM Finish Time 1:00pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEPING**

5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

WM Order # 591366

Date 8/10/00

Customer V & R Sweeper

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Yellow

Start Time 7AM Finish Time 1:15pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty X

Driver [Signature] Unit# 326

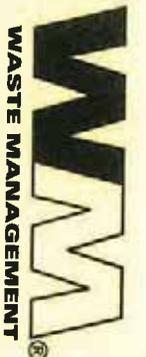
Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



**SWEEPING**

5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

WM Order # 591369

Date 8/10/00

Customer V & R Sweeper

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Orange (McDermid)

Start Time 7AM Finish Time 2:20pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty X

Driver [Signature] Unit# 326

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



**WASTE MANAGEMENT**  
**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

WM Order # 591370

Date

8/12/30

Customer

V & Reselle

Job#

P.O. #

Location(s)

Red (get done)

Start Time

7:00 AM

Finish Time

1:00 PM

Total

Down Time

Adj. Total

Unit Type

VAC

HD

Loaded

Empty

Unit#

Driver

[Signature]

Unit#

376

Comments:

Trade Issue

Authorized Customer Signature

Print Name

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



**WASTE MANAGEMENT**  
**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

WM Order # 591371

Date

8/14/30

Customer

V & Reselle

Job#

P.O. #

Location(s)

Red (get done)

Start Time

6:00 AM

Finish Time

2:00 PM

Total

Down Time

Adj. Total

Unit Type

VAC

HD

Loaded

Empty

Driver

[Signature]

Unit#

376

Comments:

Authorized Customer Signature

Print Name

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



**SWEEEPING**  
WASTE MANAGEMENT  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

Date 8/17/00 WM Order # 591464

Customer V & Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Blue Room Garage

Start Time 7:00am Finish Time 1:00pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty 2

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

\_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # \_\_\_\_\_

WM Order # \_\_\_\_\_

Date \_\_\_\_\_

Customer \_\_\_\_\_

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) \_\_\_\_\_

Start Time \_\_\_\_\_ Finish Time \_\_\_\_\_ Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver \_\_\_\_\_ Unit# \_\_\_\_\_

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # \_\_\_\_\_

WM Order # \_\_\_\_\_

Date \_\_\_\_\_

Customer \_\_\_\_\_

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) \_\_\_\_\_

Start Time \_\_\_\_\_ Finish Time \_\_\_\_\_ Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver \_\_\_\_\_ Unit# \_\_\_\_\_

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1009019

WM Order # 500996

Date 4/16/00

Customer Y 8 Resale

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) Comer's Lab

Start Time 4:45 PM Finish Time 6:00 PM Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver [Signature] Unit# 326

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1009019

WM Order # 500996

Date 4/16/00

Customer Y 8 Resale

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) Comer's Lab

Start Time 4:45 PM Finish Time 6:00 PM Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver [Signature] Unit# 326

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEeping**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # \_\_\_\_\_

WM Order # \_\_\_\_\_

Date 7/13/20

Customer Village Park

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) Downy Blvd Cicero, IL

Start Time 7:00 AM Finish Time 2:50 PM Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver [Signature] Unit# 706

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEeping**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # \_\_\_\_\_

WM Order # \_\_\_\_\_

Date 7/13/20

Customer Village Park

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) Downy Blvd Cicero, IL

Start Time 7:00 AM Finish Time 2:50 PM Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver [Signature] Unit# 706

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**WASTE MANAGEMENT**  
**SWEEPING**  
 5050 W. Pershing Rd.  
 Cicero, IL 60804  
 (800) 789-3350

Customer Account # 1059043

WM Order # 590688

Date 6/25/20  
 Customer V. B. Pershing

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) Purple (Dandy Blue/Done)

Start Time 6AM Finish Time 1:20pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver [Signature] Unit# 376

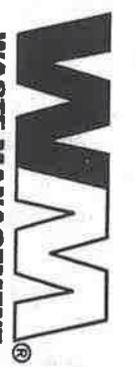
Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**WASTE MANAGEMENT**  
**SWEEPING**  
 5050 W. Pershing Rd.  
 Cicero, IL 60804  
 (800) 789-3350

Customer Account # 1059043

WM Order # 590730

Date 6/26/20  
 Customer V. B. Pershing

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) Yellow (Dandy Purple/Dandy)

Start Time 7AM Finish Time 1:26pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059048

WM Order # 590683

Date 1/24/00

Customer Village Park

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) Red Pond

Start Time 7:00 AM Finish Time 2:50 PM Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty X

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059048

WM Order # 590690

Date 1/25/00

Customer Village Park

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) Comanche Lots

Start Time 4:45 AM Finish Time 6 AM Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty X

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



**WASTE MANAGEMENT**  
**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 105901

WM Order # 000685

Date 6/24/00

Customer Village Park

Job#          P.O.#         

Location(s) Yellow (Midway)

Start Time 7:30 AM Finish Time 12:00 PM Total         

Down Time          Adj. Total         

Unit Type  VAC  HD Loaded          Empty         

Driver [Signature] Unit# 346

Comments: Zone V1704

Authorized Customer Signature         

Print Name         

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



**WASTE MANAGEMENT**  
**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 105901

WM Order # 590696

Date 6/23/00

Customer Village Park

Job#          P.O.#         

Location(s) Orange (Midway)

Start Time 7:30 AM Finish Time 2:00 PM Total         

Down Time          Adj. Total         

Unit Type  VAC  HD Loaded          Empty         

Driver [Signature] Unit# 376

Comments:         

Authorized Customer Signature         

Print Name         

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



**SWEEEPING**

5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # \_\_\_\_\_

WM Order # \_\_\_\_\_

Date \_\_\_\_\_

Customer \_\_\_\_\_

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) \_\_\_\_\_

Start Time \_\_\_\_\_ Finish Time \_\_\_\_\_ Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver \_\_\_\_\_ Unit# \_\_\_\_\_

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEEPING**

5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # \_\_\_\_\_

WM Order # \_\_\_\_\_

Date \_\_\_\_\_

Customer \_\_\_\_\_

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) \_\_\_\_\_

Start Time \_\_\_\_\_ Finish Time \_\_\_\_\_ Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver \_\_\_\_\_ Unit# \_\_\_\_\_

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**WASTE MANAGEMENT**  
**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059042

WM Order # 590049

Date 6/11/00

Customer V & Rosette

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) Commuter Lots

Start Time 4:45 AM Finish Time 6:00 AM Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty 2

Driver [Signature] Unit# 326

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**WASTE MANAGEMENT**  
**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059042

WM Order # 590481

Date 6/11/00

Customer V & Rosette

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) Commuter Lots

Start Time 4:45 AM Finish Time 6:00 AM Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty 2

Driver [Signature] Unit# 326

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1069043

WM Order # 590440

Date 6/16/06 Customer V. J. Roselle

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) Boyle/Dony/Brown/Conroy Blue (H&D)

Start Time 6:00AM Finish Time 1:50PM Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1069043

WM Order # 590449

Date 6/16/06 Customer V. J. Roselle

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) Red (Not Done)

Start Time 7:00AM Finish Time 2:50PM Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

WM Order # 590448

Date 6/19/90 Customer V & Roselle

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) Driver Bond's Place (Hwy 101)

Start Time 7:00 AM Finish Time 2:30 pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver [Signature] Unit# 3360

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

WM Order # 590448

Date 6/19/90 Customer V & Roselle

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) Driver Bond's Place (Hwy 101)

Start Time 7:00 AM Finish Time 2:30 pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver [Signature] Unit# 3360

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # \_\_\_\_\_

WM Order # \_\_\_\_\_

Date \_\_\_\_\_

Customer \_\_\_\_\_

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) \_\_\_\_\_

Start Time \_\_\_\_\_ Finish Time \_\_\_\_\_ Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver \_\_\_\_\_ Unit# \_\_\_\_\_

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # \_\_\_\_\_

WM Order # \_\_\_\_\_

Date \_\_\_\_\_

Customer \_\_\_\_\_

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) \_\_\_\_\_

Start Time \_\_\_\_\_ Finish Time \_\_\_\_\_ Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver \_\_\_\_\_ Unit# \_\_\_\_\_

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



**SWEeping**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
**(800) 789-3350**

Customer Account # 10579045

Date 8/12/20 WM Order # 595034

Customer 120 Roselle

Job# \_\_\_\_\_ P.O.# \_\_\_\_\_

Location(s) Red Oak

Start Time 7:00 AM Finish Time 9:55 PM Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty OK

Driver [Signature] Unit# 3516

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059048

WM Order # 590058

Date 5/12/20

Customer V & R Sweeper

Job# P.O. #

Location(s) Orange Grove

Start Time 7:00 AM Finish Time 2:30 PM Total

Down Time Adj. Total

Unit Type  VAC  HD Loaded Empty

Driver Unit# 376

Comments:

Authorized Customer Signature

Print Name

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059048

WM Order # 590035

Date 5/12/20

Customer V & R Sweeper

Job# P.O. #

Location(s) Yellow Grove

Start Time 7:00 AM Finish Time 2:50 PM Total

Down Time Adj. Total

Unit Type  VAC  HD Loaded Empty

Driver Unit# 376

Comments:

Authorized Customer Signature

Print Name

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # \_\_\_\_\_

Date 4/28/20

WM Order # \_\_\_\_\_

Customer \_\_\_\_\_

Job# \_\_\_\_\_

P.O.# \_\_\_\_\_

Location(s) \_\_\_\_\_

Start Time \_\_\_\_\_

Finish Time \_\_\_\_\_

Total \_\_\_\_\_

Down Time \_\_\_\_\_

Adj. Total \_\_\_\_\_

Unit Type

VAC

HD

Loaded \_\_\_\_\_

Empty \_\_\_\_\_

Driver \_\_\_\_\_

Unit# \_\_\_\_\_

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEPING**  
WASTE MANAGEMENT  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # \_\_\_\_\_

Date 4/27/20 WM Order # 589839

Customer \_\_\_\_\_

Job# \_\_\_\_\_ PO: # \_\_\_\_\_

Location(s) \_\_\_\_\_

Start Time \_\_\_\_\_ Finish Time \_\_\_\_\_ Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver \_\_\_\_\_ Unit# \_\_\_\_\_

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEPING**  
WASTE MANAGEMENT  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # \_\_\_\_\_

Date \_\_\_\_\_ WM Order # \_\_\_\_\_

Customer \_\_\_\_\_

Job# \_\_\_\_\_ PO: # \_\_\_\_\_

Location(s) \_\_\_\_\_

Start Time \_\_\_\_\_ Finish Time \_\_\_\_\_ Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty \_\_\_\_\_

Driver \_\_\_\_\_ Unit# \_\_\_\_\_

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



WASTE MANAGEMENT  
**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # \_\_\_\_\_

WM Order # \_\_\_\_\_

Date \_\_\_\_\_

Customer \_\_\_\_\_

Job# \_\_\_\_\_

P.O. # \_\_\_\_\_

Location(s) \_\_\_\_\_

Start Time \_\_\_\_\_

Finish Time \_\_\_\_\_

Total \_\_\_\_\_

Down Time \_\_\_\_\_

Adj. Total \_\_\_\_\_

Unit Type  VAC  HD

Loaded \_\_\_\_\_

Empty \_\_\_\_\_

Driver \_\_\_\_\_

Unit# \_\_\_\_\_

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



WASTE MANAGEMENT  
**SWEEPING**  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # \_\_\_\_\_

WM Order # \_\_\_\_\_

Date 4/22/00

Customer \_\_\_\_\_

Job# \_\_\_\_\_

P.O. # \_\_\_\_\_

Location(s) \_\_\_\_\_

Start Time \_\_\_\_\_

Finish Time \_\_\_\_\_

Total \_\_\_\_\_

Down Time \_\_\_\_\_

Adj. Total \_\_\_\_\_

Unit Type  VAC  HD

Loaded \_\_\_\_\_

Empty \_\_\_\_\_

Driver \_\_\_\_\_

Unit# \_\_\_\_\_

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEEPING**  
WASTE MANAGEMENT  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # \_\_\_\_\_

Date 4 23 20

WM Order # \_\_\_\_\_

Customer \_\_\_\_\_

Job# \_\_\_\_\_

P.O.# \_\_\_\_\_

Location(s) \_\_\_\_\_

Start Time \_\_\_\_\_

Finish Time \_\_\_\_\_

Total \_\_\_\_\_

Down Time \_\_\_\_\_

Adj. Total \_\_\_\_\_

Unit Type  VAC  HD

Loaded \_\_\_\_\_

Empty \_\_\_\_\_

Driver \_\_\_\_\_

Unit# \_\_\_\_\_

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*

**Dussard, Octavia**

**From:** Skorupa, Sue E. <sskorupa@wm.com>  
**Sent:** Monday, May 18, 2020 1:32 PM  
**To:** Dussard, Octavia  
**Cc:** Skorupa, Sue E.  
**Subject:** 803-1059043 ROSELLE, VIL 590115 BJSAR 5/15/2020

Good afternoon, here you go! Thank you!

```

1:27 PM Roll Off Dispatch Closed Ticket Display 5/18/2020
803-1059043 ROSELLE, VILLAGE OF-RESI(TKT) Opened by SWALSH7
474 CONGRESS CIR N ROSELLE IL 60172-3904 Closed by SSKORUPA
Ticket 590115 Driver code BJSAR Requested by RM
DumpInfo:Site Tkt Qty .00 Tax .00 Cost .00
Load type REL Equipment code Points 0
Status Code Additional comments exist for this ticket
Date Time Time
Dispatched: 5/15/2020 6:41 Arrived at customer: 7:18
Loaded / Drop off: 13:00 Stop Ticket: 12:00
Restart Ticket: 12:30 Arrived at landfill:
Finished at landfill: Ticket completed: 13:00
Svc Quantity Price Special Description Job # Waste Type Tax T/P
NCH 1.00
    
```

Bottom



**Transaction Ticket**

Request Date: /  
 Service Date : 05/15/2020

Service Ticket Number : 690115

**Service Summary:**

Attn : OCTAVIA DUSSARD  
 Requested By : RM  
 Load Type : REL  
 Dispatch Reason Code : Not Applicable  
 Waste Type :

Service Type	Quantity	Yards
NO CHARGE SERVICE	1.00	1.00

Customer Signature: \_\_\_\_\_

Service Completion Date: 05/15/2020 - Time: 13:00:40 Central Standard Time

Driver Signature: \_\_\_\_\_

**THINK GREEN.**

Customer Number:  
803-1059043

Customer Name:  
ROSELLE, VILLAGE OF-RESI(TKT)

Service Address:  
474 CONGRESS CIR N,  
ROSELLE

## Dussard, Octavia

---

**From:** Young, Karen  
**Sent:** Wednesday, June 17, 2020 11:36 AM  
**To:** Dussard, Octavia  
**Cc:** Mehl, Kristin; Bills, Mike  
**Subject:** RE: News from the Village of Roselle - June 11, 2020

Hi Octavia,

Please contact Waste management to let them know that this location was missed and find out when they will be out to address it. Also please reach out to this resident to let them know that it will be addressed.

Thank you,  
Karen

***Karen R. Young, P.E., C.F.M.***

Director of Public Works  
Village of Roselle  
474 Congress Circle North  
Roselle, IL 60172  
[kayoung@roselle.il.us](mailto:kayoung@roselle.il.us)  
Office: (630) 671-2365



**From:** Bills, Mike <[mbills@roselle.il.us](mailto:mbills@roselle.il.us)>  
**Sent:** Wednesday, June 17, 2020 11:34 AM  
**To:** Young, Karen <[kayoung@roselle.il.us](mailto:kayoung@roselle.il.us)>  
**Cc:** Mehl, Kristin <[kmehl@roselle.il.us](mailto:kmehl@roselle.il.us)>  
**Subject:** Re: News from the Village of Roselle - June 11, 2020

Karen,

It's does not look like they went down the east side of this block. Do you want me to give them a call? I don't have a contact but I could find it in the contract.

Thanks  
Mike

Sent from my iPhone

On Jun 15, 2020, at 11:49 AM, Young, Karen <[kayoung@roselle.il.us](mailto:kayoung@roselle.il.us)> wrote:

Hi Mike,



**SWEEPING**

5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

Date 8/24/20 WM Order # 591546

Customer V & Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Yellow (Done)

Start Time 6AM Finish Time 1pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty X

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



**SWEEPING**

5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

Date 8/25/20 WM Order # 591558

Customer V & Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Orange (Done)

Start Time 7AM Finish Time 2:20pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty X

Driver [Signature] Unit# 376

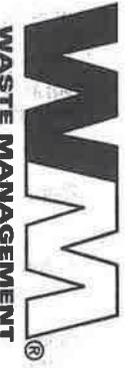
Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

*Thank You*



WASTE MANAGEMENT

**SWEEPING**

5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

WM Order # 591559

Date 8/26/20  
Customer V & Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Red

Start Time 7AM Finish Time 2:45pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



WASTE MANAGEMENT

**SWEEPING**

5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

WM Order # 591560

Date 8/27/20  
Customer V & Roselle

Job# \_\_\_\_\_ P.O. # \_\_\_\_\_

Location(s) Blue Brown Purple Bands

Start Time 6AM Finish Time 1:00pm Total \_\_\_\_\_

Down Time \_\_\_\_\_ Adj. Total \_\_\_\_\_

Unit Type  VAC  HD Loaded \_\_\_\_\_ Empty

Driver [Signature] Unit# 376

Comments: \_\_\_\_\_

Authorized Customer Signature \_\_\_\_\_

Print Name \_\_\_\_\_

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).

Thank You



WASTE MANAGEMENT  
SWEEPING  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

Date 8/17/00 WM Order # 591454

Customer V & Roselle

Job# P.O. #

Location(s) Blue Brown, Orange

Start Time 7:00 AM Finish Time 1:30 PM Total

Down Time Adj. Total

Unit Type  VAC  HD Loaded Empty

Driver [Signature] Unit# 376

Comments:

Authorized Customer Signature

Print Name

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water &/or disposal facilities will incur additional charges (See back of ticket for additional information).



WASTE MANAGEMENT  
SWEEPING  
5050 W. Pershing Rd.  
Cicero, IL 60804  
(800) 789-3350

Customer Account # 1059043

Date 8/14/00 WM Order # 591371

Customer V & Roselle

Job# P.O. #

Location(s) Purple Dorey Red Dorey

Start Time 6:00 AM Finish Time 2 PM Total

Down Time Adj. Total

Unit Type  VAC  HD Loaded Empty

Driver [Signature] Unit# 376

Comments:

Authorized Customer Signature

Print Name

Disclaimer: Customer is responsible for providing sufficient authorized water supply to complete this job. Customer assumes liability for a disposal location and subsequent removal of materials accumulated during the course of this job. Those customers without water & disposal facilities will incur additional charges (See back of ticket for additional information).

STORMWATER MANAGEMENT PERMIT APPLICATIONS										2020			
DATE REC'D	Building Permit #	APPLICANTS NAME & ADDRESS	PROPERTY ADDRESS	PERMIT #			BMP	DETENTION	FLOODPLAIN	WETLAND	S & EC	Comments	
1/2/2019	20190979	Barrington Pools, Inc.-Ed Gearen Executive Ct., South Barrington, IL 60010	28W714 Rogers Ave	20	32	0001					X		
2/5/2020	20200045	James Galla, 28W381 Main St., Warrenville, IL 60555	28W381 Main St.	20	32	0002					X		
2/4/2020	20200014	Compass School, William Perry, Watermark Engineering Resources, 2631 Ginger Woods Parkway, Aurora, IL 60502	27w457 Warrenville Road	20	32	0003	X	X			X		
3/3/2020	20190904	William Ferguson, Daniel Weinbach & Partners, 53 W. Jackson Blvd, Suite 250, Chicago, IL 60604	28258 Diehl Rd (California Pizza Kitchen)	20	32	0004			X				
3/16/2020	20200105	Airhart Development LLC, 500 W Roosevelt Road, West Chicago, IL 60185	28W761 Stafford Pl	20	32	0005	X				X	BMP and Security part of overall development permit 17-32-0033	
3/26/2020	20200141	Enbridge Energy, Limited Partnership 11 E. Superior St., Suite 125, Duluth, MN, 55802	Line 6A, Milepost 402.9193	20	32	0006					X		
4/9/2020	20200216	Little Friends, 140 North Wright Street, Naperville, IL 60540	27555 Diehl Road	20	32	0007					X		
6/24/2020	20200364	Airhart Development LLC, 500 W Roosevelt Road, West Chicago, IL 60185	28W759 Stafford Pl	20	32	0008	X				X	BMP and Security part of overall development permit 17-32-0033	
8/7/2020	20200384	Mateusz Latawiec, 2944 N. Halsted St., Unit 202, Chicago, IL 60657	3S611 Curtis Ave	20	32	0009					X		
8/24/2020	20200480	Rebecca Gandy, Waldorf School, 30W160 Calumet Avenue, Warrenville IL	30w160 Calumet	20	32	0010	x					BMP is a Rain Garden in Existing Dry Detention Pond	
8/26/2020	20200573	Airhart Development LLC, 500 W Roosevelt Road, West Chicago, IL 60185	27W560 Central Ave	20	32	0011	X				X	Proposed dry well for BMP requirement	
8/31/2020	20200584	Airhart Development LLC, 500 W Roosevelt Road, West Chicago, IL 60185	28W757 Stafford Pl	20	32	0012	x				X	BMP and Security part of overall development permit 17-32-0033	
10/12/2020	20200326	Patrick Ferris, 3S268 Patterman Rd, Warrenville IL 60555	3S268 Patterman Rd	20	32	0013	x				x		
				20	32	0014							
				20	32	0015							
				20	32	0016							
				20	32	0017							
				20	32	0018							

STORMWATER MANAGEMENT PERMIT APPLICATIONS										2020			
DATE REC'D	Building Permit #	APPLICANTS NAME & ADDRESS	PROPERTY ADDRESS	PERMIT #			BMP	DETENTION	FLOODPLAIN	WETLAND	S & EC	Comments	
2/11/2021		Airhart Development LLC, 500 W Roosevelt Road, West Chicago, IL 60185	28W753 Stafford PI	21	32	0001	X				X	BMP and Security part of overall development permit 17-32-0033	
2/11/2021		Airhart Development LLC, 500 W Roosevelt Road, West Chicago, IL 60185	28W755 Stafford PI	21	32	0002	X				X	BMP and Security part of overall development permit 17-32-0033	
				21	32	0003							
				21	32	0004							
				21	32	0005							
				21	32	0006							
				21	32	0007							
				21	32	0008							
				21	32	0009							
				21	32	0010							
				21	32	0011							
				21	32	0012							
				21	32	0013							
				21	32	0014							
				21	32	0015							
				21	32	0016							
				21	32	0017							
				21	32	0018							

<b>March 2020 - March 2021</b>	March 2020 - IAFSM	June 10, 2020 - Facility Pollution Prevention Seminar for MS4 Communities	June 17, 2020 - Field Program Pollution Prevention Seminar for MS4 Communities	October 1, 2020 - Public Road Deicing Workshop	December 3, 2020 Green Infrastructure Webinar #1
Kristine Hocking	X	X	X		X
David Romero	X	X	X		X
Phil Kuchler	X	X		X	X
Kristin Youngmeyer					
Jamie Clark		X		X	
Jamie Leonard				X	
Dave Neal				X	
Bruce Padalik				X	
Rob Ingram				X	
Jeff Simmons				X	

City of Warrentville Good Housekeeping

March 2020 - March 2021

Categories	Bruce	Jamie	Jeff	Dave	Rob	TOTAL
Tree Planting	0	11	13	12	12	48
Manholes clean/replace/repair	0	0	16	8	8	32
Tree Pruning	0	73	25	17	42	157
Tree Removal	4	52	48	35	41	180
Street Sweeping	0	0	0	240	0	240
Snow plowing/salting	0	32	39	9	66	146
Vehicle maintenance	8	64	66	27	19	184
Brush Pickup	74	156	161	168	89	648
Storm Sewer Repair/Maint	0	287	260	144	147	838

## FREE BRUSH PICKUP ENDS IN OCTOBER

Refer to the map at right to find out what zone you live in, or visit [www.warrenville.il.us/418/Brush-Pickups-Wood-Chips](http://www.warrenville.il.us/418/Brush-Pickups-Wood-Chips) and click on the Brush Pickup Zone Map for more information.

**Zone 1** – first Monday of October

**Zone 3** – third Monday of October

**Zone 2** – second Monday of October

**Zone 4** – fourth Monday of October

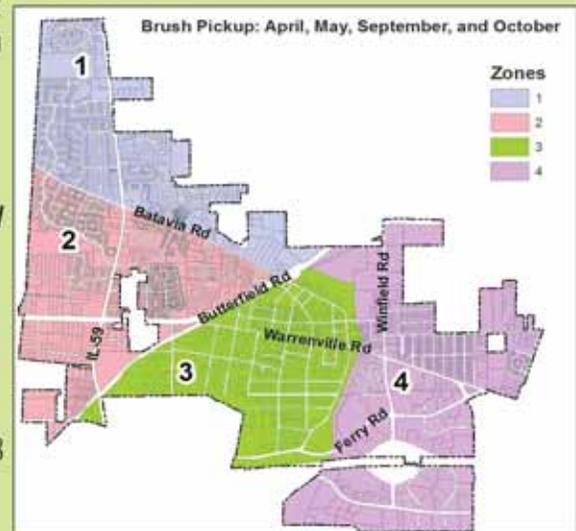
**Keep in mind, brush is required to be set out by 7:00 a.m. on the designated Monday, but pickup may occur on a day later in that week.**

**Check the City website for scheduling updates.**

Brush piles must comply with the following:

- Only one pile per address
- Piles can be no greater than 3 feet high, 8 feet deep, 15 feet long
- Branches cannot be longer than 8 feet in length and no more than 8 inches in diameter
- Place branches with the larger cut end toward the street

Brush pickup is limited to branches from trimming and pruning trees, bushes and shrubs, **not tree removal**. Other items such as logs, root balls, stumps, lumber, etc. will NOT be picked up. **Brush piles that do not conform to these standards will not be picked up, and a notice will be left on the front door.** Call Public Works at (630) 393-9050 for more information.



## WATER MAIN FLUSHING

Two weeks before Public Works staff begins the fall flush of the water system, the City will switch from using Chloramines to Free Chlorine as the main disinfectant. This brief, scheduled change in disinfectant is a standard industry water treatment practice to prepare the system for water line flushing. A slight chlorine taste and smell to the water may be noticed during this two week period. This is normal and poses no health risk.

As normally occurs during hydrant flushing, water may appear cloudy or discolored, or sediment may be in the water for a short period of time. If this is experienced, open faucets and let the water run until it clears up. The water will be safe to drink during this time even if it may look different.

Hydrant flushing is an absolute necessity in helping the City maintain its system and ensure it is providing safe potable water to its customers. The EPA recommends hydrant flushing be performed twice a year. For more information, see the City webpage [www.warrenville.il.us/795/Water-Main-Flushing](http://www.warrenville.il.us/795/Water-Main-Flushing), or call Public Works at (630) 393-9050.

## PRACTICE PROPER LEAF DISPOSAL THIS FALL

Autumn leaves are often blown or swept into streets and storm drains leading to waterways and can become a source of water pollution. Leaves decompose and release phosphorus into the water, which can result in algae blooms and decreased oxygen for fish. Leaves can also build up along curbs, gutters, and storm drains, which block stormwater runoff from entering drainage infrastructure, causing localized flooding during heavy rains. The following tips can help keep excess leaves out of storm sewers and waterways and prevent localized flooding:

- Start a compost pile or add leaves to an existing one. Composted leaves make excellent garden fertilizer
- Use a mulching mower to chop leaves, allowing for decomposition on the lawn, or collect the matter and spread around flowerbeds and shrubs as mulch
- Bag or contain leaves for weekly refuse pickup (only through November 30). This option requires the purchase of yard waste stickers



## BE SALT SMART THIS WINTER

When temperatures drop and ice forms on our roads and sidewalks, rock salt can be used to deice them. Salting removes ice by lowering the freezing point of water, causing ice to melt even when the temperature is below freezing. However, using salt to deice sidewalks and roads impacts aquatic life across the region. In fact just one teaspoon of salt permanently contaminates five gallons of water!

Here are several steps you can take to be salt smart:

- ♦ Reduce ice formation on your driveway and sidewalk by redirecting any water that flows across them
- ♦ Always shovel before walking or driving on your sidewalks and driveways
- ♦ Only apply salt to areas that need it, and scatter salt so it isn't clumped
- ♦ Sweep up any excess salt to use again later

### 4 Steps to Be Salt Smart

1

#### Shovel first.

Clear all snow from driveways and sidewalks before it turns to ice.



2

#### Size up.

More salt does not mean more melting. A 12-ounce coffee mug of salt should be enough for 500 sq ft of driveway or about 10 sidewalk squares.



3

#### Spread.

Distribute salt evenly, not in clumps.



4

#### Switch.

Rock salt stops working if the temperature is below 15 degrees. When temperatures drop that low, switch to a deicer formulated for colder temperatures.



*"It shall be the intent and purpose of the Environmental Advisory Commission to help develop educational and informational programs and materials that promote environmental awareness and behavior, as well as to promote and coordinate the City's beautification efforts and to conduct an annual Arbor Day activity in Warrenville."*

## Styrofoam Recycling

Styrofoam recycling is available to the public at the Dart Container Corporation facility located at 310 Evergreen Drive, North Aurora, IL. The facility is open 24 hours a day, seven days a week. Collection area is at the front entry.

Please adhere to the following guidelines when using this facility:

- Make sure your foam has the  symbol.
- Please place foam in clear, sealed bags.
- Place packaging foam and food service containers in separate bags.
- Food service containers **MUST** be clean and rinsed.
- No straws, lids, plastic wrap, or trash.
- No packaging peanuts (call 800-828-2214 or go to [www.loosefillpackaging.com](http://www.loosefillpackaging.com) for drop-off sites).
- No foam insulation.
- Call (630) 896-4631 to schedule large deliveries.



Source: northaurora.org  
Image: Sarah Anderson

## ANNUAL SHREDDING DAY AND ELECTRONICS RECYCLING EVENT

The Police Department will host a Document Shredding Day and Electronics Recycling event, Saturday, May 8, in the north parking lot of Bower Elementary School, 4S241 River Road, from 9:00 a.m. - 12 noon.

Residents are encouraged to take advantage of this free\* event to drop off paper documents for shredding. A limit of three banker-sized boxes will be accepted. More Information and a fee schedule for larger electronic items is available at the event vendor, E-Waste Solutions webpage: [www.escrap.org/warrenville-html/](http://www.escrap.org/warrenville-html/).

Questions can be directed to Deputy Chief Dawson at (630) 393-2131 or [kdawson@warrenville.il.us](mailto:kdawson@warrenville.il.us). This event is subject to cancellation and any current in-place COVID-19 restrictions.

\* *Larger electronic items will require a pre-paid online fee through the event vendor. Payment will not be accepted at the event.*

## AWWA DRINKING WATER WEEK YOUTH ARTWORK CONTEST

Public Works is celebrating American Water Works Association's (AWWA) Drinking Water Week, May 2-8, to recognize the vital role water plays in the daily lives of Warrenville residents, and educate the role Utility Division staff play to ensure there is clean, safe drinking water.

Kids can either create a piece of art that shows how drinking water effects the daily lives of Warrenville residents, or color the 2021 Drinking Water Week coloring sheet found at: [www.warrenville.il.us/807/Drinking-Water-Week](http://www.warrenville.il.us/807/Drinking-Water-Week).

Entries submitted with a signed image release will be accepted now through May 6, via email to Kristin Youngmeyer at [kyoungmeyer@warrenville.il.us](mailto:kyoungmeyer@warrenville.il.us), or at City Hall, 3S258 Manning Avenue in the drop box, or handed to staff.

Entries may be featured on the City's website and Facebook page during the week of May 2 - 8, after which time, Public Works staff will select and announce a winner.



Drinking Water Week  
May 2-8, 2021

## BRUSH PICKUP BEGINS IN APRIL

City brush pickup begins in April. Refer to the Brush Pickup Zone map on the City's webpage: [www.warrenville.il.us/418/Brush-Pickups-Wood-Chips](http://www.warrenville.il.us/418/Brush-Pickups-Wood-Chips), or previous editions of the *Hometown Happenings* to find your zone and pickup day.

*Brush is required to be set out by 7:00 a.m. on the designated Monday, but pickup may occur on a day later in that week. Check the City website for scheduling updates.*

Brush piles must comply with the following:

- One pile per address
- Pile cannot be greater than 3 feet high, 8 feet deep, and 15 feet long
- Branches cannot be longer than 8 feet in length and no more than 8 inches in diameter
- Cut ends should extend toward the street

Brush pickup is limited to branches from trimming and pruning trees, bushes and shrubs, **not tree removal**. Other items such as logs, root balls, stumps, lumber, etc. will NOT be picked up. **Brush piles that do not conform to these standards will not be picked up, and a notice will be left on the front door.** Call Public Works at (630) 393-9050 for more information or for pickup due to storm damage.

## SAVE THE DATE FOR THESE FUN EVENTS

The following family-friendly events are coming up in May. More information on each event will be available on the City website and Facebook page.

**Bike Rodeo:** The Warrenville Park District and Warrenville Bicyclist and Pedestrian Advisory Commission (BPAC) will once again co-host the 15th annual Warrenville Bike Rodeo, Saturday, May 15, from 9:00 a.m. - 12:00 p.m., in the City Hall parking lot at 28W701 Stafford Place.

**Public Works Week Fill-A-Truck Food Drive:** Looking for a way to give back to the community? Join the Public Works department in collecting food and household provisions for local community food banks during Public Works Week, May 16 - 22, 2021. Collection information coming soon.

**Public Works Week Open House:** This free event on May 20 offers big equipment for kids to explore, along with fun activities and educational materials about the Public Works Department.

## CELEBRATE ARBOR DAY!

### Free Tree Giveaway Drive Thru Event

**Saturday, May 1, 2021**  
**10:00 a.m. to noon**  
or until supply exhausted

**Hubble Middle School**  
**3S600 Herrick Road**  
**Warrenville, IL 60555**

Celebrating 34 Years as a Tree City USA



Ceremonial Tree Planting 2019



## ENVIRONMENTAL COLLECTION CAMPUS

156 FORT HILL DRIVE, NAPERVILLE



**Traditional  
Recycling**  
Wednesdays &  
Saturdays  
8 a.m. to 4 p.m.



**Household  
Hazardous Waste**  
Saturdays &  
Sundays  
9 a.m. to 2 p.m.



**Electronics  
Recycling**  
Monday thru  
Friday  
7 a.m. to 3 p.m.

### Helpful Tips

- ◆ For Hazardous Waste and Electronics Recycling stay in your vehicle, an attendant will unload items
- ◆ No appointment necessary
- ◆ There is a fee for some electronics recycling that can be pre-paid online or onsite with exact cash or credit card
- ◆ Check online for full lists of items that are accepted and not accepted for each category, as well as a list of items that are banned from landfills at:

[www.naperville.il.us/services/garbage-and-recycling](http://www.naperville.il.us/services/garbage-and-recycling)

*"It shall be the intent and purpose of the Environmental Advisory Commission to help develop educational and informational programs and materials that promote environmental awareness and behavior, as well as to promote and coordinate the City's beautification efforts and to conduct an annual Arbor Day activity in Warrenville."*



## DuPage County River Sweep

### Saturday, May 15, 2021

### 9 a.m. to noon

Join the Conservation Foundation and EAC Commissioner Bob Kanara and other volunteers to help clean up Ferry Creek. Volunteers will meet at Kiwanis Park, Meadow Avenue, Warrenville.

Interested parties may also contact The Conservation Foundation's Community Liaison for Warrenville, Ray Ziemer at (630) 836-0086 or [rgziemer@comcast.net](mailto:rgziemer@comcast.net) for more information.



Images from: [theconservationfoundation.org](http://theconservationfoundation.org)

## Protecting Your Family from Toxic Chemicals

Exposure to everyday chemicals can increase you and your family's risk of some of the most common causes of death and disability, including cancer, auto-immune disease, diabetes, birth defects, autism, ADHD, and lower IQs.

Tips for avoiding exposures:

**Mosquito Spraying:** Luckily, our town does not routinely blanket neighborhoods in toxic pesticides in an effort to kill mosquitos that rarely rise above the level of nuisance. It is recommended to not hire one of the many companies that work privately. Exposure to the pyrethroids or organophosphates commonly used is linked to autism, lower IQs, and cancer. Avoid using toxic pesticides in your home; boric acid and diatomaceous earth are best alternatives.

**Lawn Chemicals:** Avoid applying pesticides to your lawn. Warrenville's City parks enjoy a Healthy Lawn policy, with no pesticides applied, making them safe for children and pets. Research shows that 2,4-D is linked to prostate cancer, Non-Hodgkin's Lymphoma, and cancer in children, and once tracked inside, can persist for over a year. Corn gluten and some citrus or vinegar-based weed killers are OK.

**Coal-tar sealants on driveways:** if you are choosing a new driveway, opt for concrete, gravel, or pavers. If you have a blacktop drive, avoid using coal-tar sealants, which contain such high levels of PAHs (polycyclic aromatic hydrocarbons) that would have to be treated as hazardous waste if not slicked over blacktops. This too can be tracked inside, where people and pets alike are exposed, and is linked to cancer, autoimmune disease, and reproductive and developmental effects. If a sealant is really needed, choose an asphalt-based one. Beware of companies that drive around sealing driveways, as they are unlikely to be using the safer substance.

**In your home,** be careful about cleaning agents and personal care products. Check out the Environmental Working Group website [ewg.org](http://ewg.org) with their databases rating various products, from safer sunscreen to healthier toilet bowl cleaner to most important fruits to buy organic.

Finally, speak out for better environmental protections and stronger regulations of emissions in our City, state, and nation. Between 80 and 90 percent of cancers are caused by environmental exposures that could be prevented if we all worked together to protect those we care about most.

## AWWA DRINKING WATER WEEK

The American Water Works Associations (AWWA) celebrates Drinking Water Week to provide an opportunity for both Public Works staff and the community they serve to join together in recognizing the vital role water plays in residents' daily lives. To celebrate this year, Public Works staff will hold a Youth Artwork Contest! Visit the Public Works Department page on the City Website for more information on the contest and to access additional activities for children.



## MAYOR'S FITNESS CHALLENGE BEGINS MAY 3!

Mayor Brummel is once again interested in motivating Warrenville residents to get up, get going, and get fit! On Monday, May 3, 2021, the Mayor's Fitness Challenge returns for its 10th year! Mayor's Fitness Challenge is a program designed to inspire a competitive nature and motivate residents to engage in some type of physical activity. The goal is to log at least 150 minutes of activity each week. This program will run for 10 weeks from May 3 to July 10.

To join the program, go to: [www.warrenville.il.us/553/Mayors-Fitness-Challenge](http://www.warrenville.il.us/553/Mayors-Fitness-Challenge) and choose "Mayor's Fitness Challenge Log" to register. Return daily or weekly to record your minutes. Participants must be at least 12 years of age or older. Those who log 1,500 minutes or more over the 10 week challenge will receive a limited edition t-shirt, and top competitors will receive special recognition as well. See the website for more details.

Remember, Mayor Brummel doesn't just want you to get fit; he's looking to motivate some healthy family time, so get your minutes together! Be creative with your fitness activities to count your minutes. Some great suggestions for physical activity include the City's Bike Rodeo, May 15, and the Warrenville Park District's variety of programs, classes, and activities to name just a few.

Registration is open, so don't delay and log in today! Questions, call Dawn at (630) 836-3028, or email [info@warrenville.il.us](mailto:info@warrenville.il.us). Good luck! Have fun! And STAY HEALTHY!



## National Public Works Week, May 16 - 22, 2021



**Open House:** Thursday, May 20, 3:00 p.m. - 7:00 p.m. at the Public Works Building, 3S346 Mignin Drive. This is a free event and open to the public. FEATURING: big equipment and vehicles to explore! Free promotional items! River Model and Water Main Demo!

**Fill-A-Truck Food Drive:** Looking for a way to give back to your community? The Warrenville Public Works Department is participating in APWA's Fill-A-Truck Food Drive! During this same week, the department will be collecting food and household provisions for local community food banks. Donations may be dropped off to a collection box located in the lower level vestibule at City Hall, 3S258 Manning Ave., 8:00 a.m. - 5:00 p.m., Monday - Friday.

During Public Works Week, May 16 to 22, check out the City of Warrenville's Facebook page to learn more about the department's operations and get updates on the Fill-A-Truck Food Drive.

Questions can be directed to Kristin Youngmeyer at 630-836-3056.



## WELCOME NEWLY ELECTED OFFICIALS

Congratulations to recently elected Mayor Brummel, City Clerk Clark, and Aldermen Anderson, Barry, Davolos, and Weidner.

Congratulations also to retiring City Clerk Larson and City Treasurer Brenner on their retirements from public office.

We thank you all for your service to this community.

## ANNUAL SHREDDING DAY AND ELECTRONICS RECYCLING EVENT

**UPDATE:** The Document Shredding Day and Electronics Recycling event will take place Saturday, May 8, in the south paved parking lot of Bower Elementary School, 4S241 River Road, from 9:00 a.m. - 12 noon.

*\*A mask or face covering is required for those dropping off items, and will be worn by event volunteers.\**

Please remain in your vehicle for this event. Items should be easily accessible in a vehicle's back passenger or trunk area. Electronics and paper documents must be separated. Do not place items to be recycled in containers that you would like returned. The items will be removed from your vehicle by volunteers and placed with the coordinating vendor. Smaller items and paper documents may be placed in paper shopping bags or cardboard banker boxes for easy removal. Vouchers purchased for larger electronics should be taped to the item(s).

More information is available on the City website Calendar and Police Events pages at: [www.warrenville.il.us/760/Police-Events](http://www.warrenville.il.us/760/Police-Events)

## EMPLOYEE ANNIVERSARIES

Congratulations to the following employee who is celebrating a milestone anniversary in May:

**Cristina White**

Assistant City Administrator — 5 years

*Hometown Happenings* recognizes employees celebrating milestone 5, 10, 15, 20 or more years of employment.

## New Civic Center Improvements

Thanks to the generous donation of materials and labor from long-time Warrenville based paver brick contractor CR Schmidt, an under-developed 1,000 square foot grass area of public property located at the east end of Stafford Place, and south of the Batavia Road and Route 56 intersection, has been transformed into a great new public patio space. The patio improvements donated by CR Schmidt also include a new seat wall around the existing Ginko tree. Evolet Eve Wine Shop has secured permits from the City to operate temporary outdoor seating on this upgraded public space. So come on out and enjoy a relaxing moment on the patio this summer.



# Bike Rodeo

Saturday – May 15, 2021

9A–Noon – All Ages

CITY HALL

28W701 STAFFORD PLACE

- ▶ Test your riding skills on our Bike Rodeo Course
- ▶ Everyone who rides the Bike Rodeo course receives a certificate and a photo taken with the Mayor
- ▶ Receive a Bike Tune Up
- ▶ Win kids' bikes, helmets and other cool biking stuff
- ▶ Opt to pre-register to minimize crowding and wait time at check-in. See the City of Warrenville's website for more information



Sponsored by the City of Warrenville Bicyclist and Pedestrian Advisory Commission and the Warrenville Park District

## MAY BRUSH PICKUP

Brush is defined as trimmings from bushes and trees. To ensure safety of staff and efficient pickup, please observe and comply with the following guidelines:

- Only one pile per address
- Pile cannot be greater than 3 feet high, 8 feet deep, and 15 feet long
- Branches cannot be longer than 8 feet and no more than 8 inches in diameter
- Cut ends should extend toward the street

To view the pickup schedule, visit the City's webpage: [www.warrenville.il.us/809/Brush-Pickups-Wood-Chips](http://www.warrenville.il.us/809/Brush-Pickups-Wood-Chips).

May 12, 2021

The following statistics occurred between April 1, 2020 – March 31, 2021 and were the results of work performed by City of Wheaton Staff and City of Wheaton Environmental Improvement Commission members and volunteers.

- The Public Relations Division distributed environmental information via press releases (28), tweets (63), Facebook (68), and monthly newsletters. The City has more than 8,990 Facebook followers and more than 5,078 Twitter followers.
  
- Each week more than 3,640 subscribers receive the City's weekly email newsletter, Wheaton Weekly. Environmental messages are included whenever possible, reminding residents of upcoming electronic recycling events, Environmental Improvement Commission-sponsored events and programs, watering restrictions, environmental reminders, recycling tips and more.
  
- Environmental information is available on over 43 separate pages on the City of Wheaton website on topics such as flooding prevention, stormwater management to address pollutants, parkway ash tree replacement program, electronic recycling, keeping fats & oils out of the sewers, watering restrictions, yard waste/food scrap composting and more.
  
- Additionally, the City produced the following videos and PSAs which are shared on Facebook, Twitter, played on the City's government access channel (CWC10) and posted and promoted on the City's website:
  - Storm Damage
  - Arbor Day
  - Adams Park Rededicaton
  - Make a Difference Day
  - Where Does Snow Go
  - Recycling Extravaganza
  
- Drainage Reviews (Private Property Meetings) were provided to all residents that requested one. This resulted in over 110 property site visits between April 1, 2020 and March 31, 2021.



WHEATON MAYOR PHILIP J. SUESS

CITY MANAGER MICHAEL DZUGAN

CITY COUNCIL: MICHAEL BARBIER | ERICA BRAY-PARKER | SUZANNE FITCH | LYNN ROBBINS | JOHN RUTLEDGE | CHRISTOPHER ZARUBA

- The Electronics Recycling Program had over 1875 cars come through and drop off electronics to be recycled during monthly events.
- The Adopt a Highway program resulted in at least 10 bags of trash being collected.
- The collection of fluorescent lights totaled 850 light bulbs
- Over 591 gallons of cooking oil was collected and 155,207 lbs of paper shredded and recycled.
- Over 3000 lbs of paint, 48 syringes, 13,500 lbs of textiles were collected and recycled.
- The City vacuum swept 12,648 miles of streets which equates to each mile of City street being swept of sediment and debris over 38 times in the reporting period.
- The Public Works Yard Stormceptor was maintained based on manufacturers recommendations and cleaned twice during the permit year.
- 63% of the City's storm sewer structures were inspected, cleaned, or maintained exceeding our goal of 30%. 692 Structures were inspected, 157 structures received repairs, 45 were replaced, and 2,257 were cleaned.
- 28% of the City's storm sewer mains were inspected, cleaned, or maintained exceeding our goal of 10%. 215,321 LF of storm sewer was cleaned and 67,254 LF was inspected.
- All catch basin storm sewer debris was dried in the debris dump station within the Public Works facility which resulted in approximately 632 tons of sediment and debris removed from the MS4 and sent to a landfill.

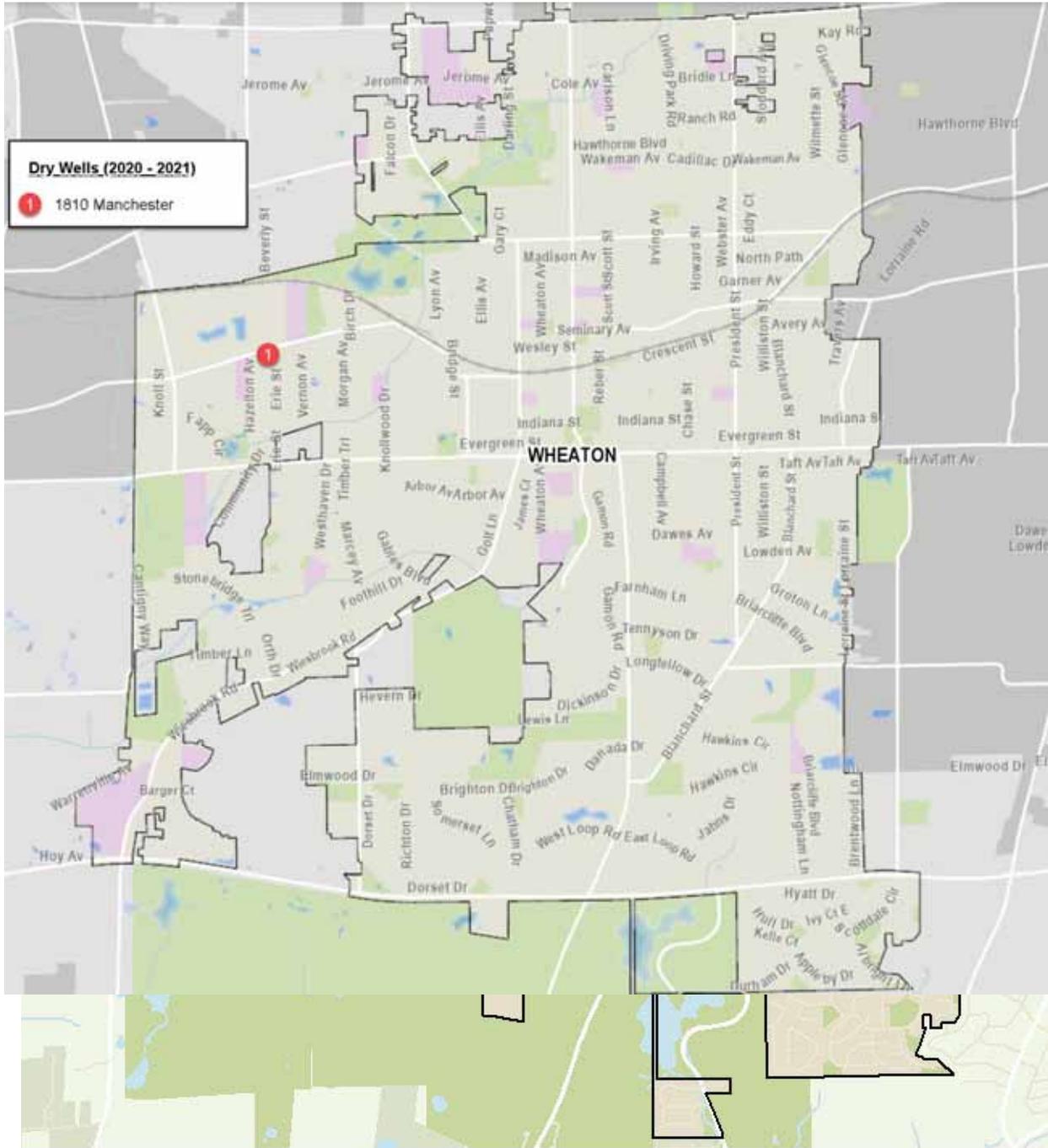
## Projects Performed During The 2020-2021 Permit Year

### CITY OF WHEATON

Location / Project name	Type of work	Start date – end date
<i>2020 Road, Sewer, and Water Rehabilitation Program – Various streets</i>	<i>Pavement resurfacing and general street maintenance</i>	<i>April 2020 – November 2020</i>
<i>2020 Manhole Rehabilitation Project</i>	<i>Rehabilitated sanitary sewer manholes with Spectrashield</i>	<i>May 2020- November 2020</i>
<i>Wesley Street Sanitary Sewer Replacement</i>	<i>Replace Sanitary Sewer</i>	<i>September 2020 – November 2020</i>
<i>Downtown Streetscape - Phase 3</i>	<i>Street and Sidewalk replacement with pavement resurfacing</i>	<i>March 2020 – December 2020</i>
<i>Sidewalk Replacement Program</i>	<i>Replace defective sidewalk panel</i>	<i>June 2020 – September 2020</i>
<i>New Sidewalk Installation</i>	<i>Install new sidewalks on various streets</i>	<i>August 2020 – November 2020</i>
<i>Prairie Avenue Intersection Improvement</i>	<i>Remove island and install left turn lane</i>	<i>March 2020- June 2020</i>
<i>Manchester Road and N President Street LAFO Resurfacing Project</i>	<i>Resurface 2 Collector/FAUS Streets</i>	<i>May 2020 – November 2020</i>

April 15, 2021

The following Best Management Practices (BMP) were installed between April 1, 2020– March 31, 2021.



WHEATON MAYOR PHILIP J. SUESS

CITY MANAGER MICHAEL DZUGAN

CITY COUNCIL: MICHAEL BARBIER | ERICA BRAY-PARKER | SUZANNE FITCH | LYNN ROBBINS | JOHN RUTLEDGE | CHRISTOPHER ZARUBA

The City of Wheaton had one BMP's permitted and constructed during the 2020-2021 permit cycle. The BMP's were three dry wells and they can be found at the following addresses:

- 1810 Manchester Road

The method used by engineering to calculate the pollutant load resulting from the site/drainage area was the "Simple Method" (Schueler, 1987). Engineering used the New Hampshire Pollutant Removal Efficiency Appendix B to determine the amount of pollutants being removed by the Dry Wells.

Dry Well Summary of the Pollutant Removal

The TSS Removed Annually was found to be approximately 8.98 lbs

The TP Removed Annually was found to be approximately .03 lbs

The TN Removed Annually was found to be approximately .45 lbs

Dry Well Pollutant Removal Calculations

The Simple Method (Schueler, 1987)

$$L = 0.226 \times R \times C \times A$$

L=Annual Load (lbs)

R=Annual Runoff (inches) (US EPA National Stormwater Calculator)

C=Pollutant Concentration (mg/L)

A=Area (acres)

.226 = Conversion Factor

Address	Area Roof (sq ft)	Area Drive (sq ft)
1810 Manchester	1862	1481

AR Tot= 0.042 acres

R = 25.74"

AD Tot= 0.034 acres

Water Quality Pollutant Removal (New Hampshire Pollutant Removal Efficiency Appendix B)				
BMP	TSS Removed	TP Removed	TN Removed	
Dry Well	90%	55%	60%	

Total TSS Loading =  $L_{TSS} = 0.226 \times R \times C \times A$

$L_{TSS} = 9.98$

Total TP Loading =  $L_{TP} = 0.226 \times R \times C \times A$

$L_{TP} = 0.0564$

Total TN Loading =  $L_{TN} = 0.226 \times R \times C \times A$

$L_{TN} = .7423$

New York State Stormwater Management Design Manual			
Constituent	TSS	TP	TN
	mg/L	mg/L	mg/L
Resid Roof	19	0.11	1.5
Comm Roof	9	0.14	2.1
Indust Roof	17	n/a	n/a
C/R Parking	27	0.15	1.9
Indust Parking	228	n/a	n/a
Res Street	172	0.55	1.4
Comm Street	468	n/a	n/a
Rural Highway	51	n/a	22
Urban Highway	142	0.32	3
Lawns	602	2.1	9.1
Landscaping	37	n/a	n/a
Driveway	173	0.56	2.1
Gas Station	31	n/a	n/a
Auto Recycler	335	n/a	n/a
Heavy Industrial	124	n/a	n/a

TSS = Clayton and Schueler (1996), TP = Average of Steuer et al. (1997), Bannerman (1993) and Waschbusch (2000),

TN = Steuer et al. (1997)



Solutions for your Environment®

# CERTIFICATE OF COMPLETION

**D Watson**

***Village of Glen Ellyn***

Of a 1 hour educational seminar, titled

## **The 5 Fundamentals of Sustainable Vegetation**

Presented 2nd Day of February, 2021

By Profile Products, LLC

Marc S. Theisen  
M.Sc., CPESC, CPSWQ, CESSWI  
Vice President - Technical Services



**GREEN DESIGN  
ENGINEERING™**  
EARTH-FRIENDLY SOLUTIONS  
FOR SUSTAINABLE RESULTS®



**PS<sup>3</sup>**  
PROFILE SOIL SOLUTIONS  
S O I L S O L U T I O N S

# Certificate of Completion

This Certifies That

*Ye Leornis*

Attendee Name

Has Successfully Completed  
DuPage County's Green Infrastructure Training

Date: December 10, 2020

Location: Webinar

Professional Development Hours (PDH): 1.5

Presented By:

DuPage County Stormwater Management

Sarah Hunn, PE - Director

*Sarah Hunn*

Signature

12/10/2020

Date

*[Signature]*

Attendee Signature



# Certificate of Completion

This Certifies That  
**Peter Krumins**

*Attendee Name*

Has Successfully Completed  
DuPage County's Green Infrastructure Training

Date: December 10, 2020

Location: Webinar

Professional Development Hours (PDH): 1.5

Presented By:

DuPage County Stormwater Management

Sarah Hann, PE - Director

*Sarah Hann*

*Signature*

12/10/2020

*Date*

*Peter Krumins*

*Attendee Signature*



# Certificate of Completion

This Certifies That  
**Daniel A. Watson**

*Attendee Name*

Has Successfully Completed  
DuPage County's Green Infrastructure Training

Date: December 3, 2020

Location: Webinar

Professional Development Hours (PDH): 1.5

Presented By:

DuPage County Stormwater Management  
Sarah Hamm, PE - Director

*Sarah Hamm*

*Signature*

12/3/2020

*Date*

*D. A. Watson*

*Attendee Signature*



# Certificate of Completion

This Certifies That

*The Loomis*

Presenter Name

Has Successfully Completed  
DuPage County's Green Infrastructure Training

Date: December 3, 2020

Location: Webinar

Professional Development Hours (PDH): 1.5

Presented By:

DuPage County Stormwater Management

Sarah Hunn, PE - Director

*Sarah Hunn*

Signature

12/3/2020

Date

*[Signature]*

Presenter Signature



# Certificate of Completion

This Certifies That

**Peter Krumins**

Attester Name

Has Successfully Completed  
DuPage County's Green Infrastructure Training

Date: December 3, 2020

Location: Webinar

Professional Development Hours (PDH): 1.5

Presented By:

DuPage County Stormwater Management

Sarah Hunt, PE - Director

*Sarah Hunt*

Signature

12/3/2020

Date

*Peter Krumins*

Attester Signature



# Certificate of Completion

This Certifies That  
**Daniel A Watson**  
Member Name  
Has Successfully Completed  
DuPage County's Pollution Prevention Training

Date: June 17, 2020

Location: Webinar

Professional Development Hours (PDH): 1.5

Presented By:

DuPage County Stormwater Management

Sarah Hann, PE - Director

*Sarah Hann*

Signature

6/17/2020

Date

*D. A. Watson*  
Member Signature



# Certificate of Completion

This Certifies That  
**Daniel A. Watson**

Participant Name  
Has Successfully Completed  
DuPage County's Pollution Prevention Training

Date: June 10, 2020  
Location: Webinar

Professional Development Hours (PDH): 1.5

Presented By:  
DuPage County Stormwater Management  
Sarah Hamm, PE - Director

Signature  
*Sarah Hamm*

Date  
6/10/2020

*Daniel A. Watson*  
Participant Signature



Source	Date	Topic	Event Date
E-News	2/12/2021	Village Winter Weather Pretreatment Techniques	
		DuPage County Stormwater Management Accepting Input on Water Quality Program	2/28/21
E-News	1/29/2021	Actions to Reduce Wind-Blown Recycling	
E-News	1/15/2021	January 2021 is Radon Action Month in Illinois	1/2021
Water Bill Brief	1/2021	Christmas Tree Recycling Program	1/4/2021-1/15/2021
E-News	12/18/2020	Garbage Pickup Schedule for the Holidays	
		Christmas Tree Recycling Program	1/4/2021-1/15/2021
E-News	11/20/2020	Final Week For Leaf Collection and Modified Pickup Days Due to Thanksgiving	11/23/2020-11/28/2020
		What to Do with Your Used Cooking Oil? Recycle it!	11/28/20
E-News	11/13/2020	Leaf Collection Continues Through November	1 <sup>st</sup> 4 collection days in November starting 11/2/2020
		DuPage County Stormwater Management Leaf Removal Tips	
		DuPage County Household Hazardous (Chemical) Waste Event	11/14/20
E-News	11/6/2020	Leaf Collection Continues Through November	1 <sup>st</sup> 4 collection days in November starting 11/2/2020

E-News		DuPage County Household Hazardous (Chemical) Waste Event	11/14/20
		DuPage County Stormwater Management Leaf Removal Tips	
E-News	10/30/2020	Leaf Collection Begins November 2	1 <sup>st</sup> 4 collection days in November starting 11/2/2020
		DuPage County Stormwater Management Leaf Removal Tips	
		DuPage County Household Hazardous (Chemical) Waste Event	11/14/20
		SCARCE Pumpkin Smash Events	11/7/2020
Water Bill Brief	10/2020	Unlimited Refuse Disposal Allowed During Clean up Days	10/5/2020-10/9/2020
		Free Leaf Collection Begins November 2	1 <sup>st</sup> 4 collection days in November starting 11/2/2020
		Please Keep Drains Free of Leaves	
E-News	9/25/2020	Unlimited Refuse Disposal Allowed During "Clean-up Day"	10/5/2020-10/9/2020
		Virtual Solar Installation Tour in Woodridge, or all over Illinois	9/26/2020

E-News	9/18/2020	Blue Jeans for The Homeless Collection Box at Village Hall	9/18/2020-10/23/2020
E-News	9/4/2020	Woodridge Rotary Club Large Recycling Event	9/12/2020
		Additional American Flag Disposal Containers	
		Thinking about Going Solar	9/10/2020
Water Bill Brief	9/2020	Unlimited Refuse Disposal Allowed During Clean-up Days	10/5/2020-10/9/2020
Water Bill Brief	6/2020	Refuse, Recycling and Landscape Waste Contract-Groot Industries	

Village of Woodridge Annual Facility Inspection Report  
NPDES Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4)  
March 1, 2020 – February 28, 2021

**PLEASE NOTE THAT ANNUAL REPORTING CORRELATE TO EACH NOTICE OF INTENT BMP AS CHECKED ON ORIGINAL PERMIT AS FOLLOWS:**

**A. Public Education and Outreach**

**D. Construction Site Runoff Control**

**B. Public Participation/Involvement**

**E. Post-Construction Runoff Control**

**C. Illicit Discharge Detection/Elimination**

**F. Pollution Prevention/Good Housekeep.**

## **Best Management Practices:**

### **BMP A - Public Education and Outreach**

#### **Completed tasks in Year 18:**

- Village delivered notices throughout the year to the public through various methods containing articles related to environmental issues and water quality and appropriate disposal of various items via groups such as SCARCE, the Conservation Foundation, DuPage County stormwater information, and the Village. These efforts focused on prescription drug take back (permanent drop off box located in the Woodridge Police Department), free leaf collection and disposal, proper disposal of the American Flag, donating blue jeans for the homeless, latex paint and electronics recycling, household hazardous waste, used cooking oil, amongst other activities throughout the year.
- The Village updated its website with the new reports and confirmed all of the links as functional with the DuPage County Stormwater website.
- In April 2020 the Village of Woodridge sponsored Arbor Day activities with a local grade school along with being named a Tree City USA for the 29th year.
- In May 2020 the Village passed a proclamation recognizing River Sweep 2020 and advertised the event to encourage residents to participate in the event, and advertised local opportunities to volunteer.
- The Village, through its waste hauler, offered a Christmas Tree recycling program in January 2021.
- Due to COVID, the Village suspended the following programs. Pending the status of COVID, the intent is to continue the programs in future years.
  - planned April 2020 Village coordinated community clean up day to have volunteers assist Village staff in picking up litter and debris from along roadways/bikepaths. While clean up efforts by Village staff were still completed, the use of the DuPage County Sheriff's Work Alternative Program (SWAP) was also suspended.
  - planned April 2020 Village hosted Town Meeting in .which every Department presents information on their operations. In past years, Public Works provided information on maintenance of trees, water saving measures, leak detection in their homes, proper disposal and recycling requirements for various types of items, and stormwater management and green infrastructure options. Pending the status of COVID, the intent is to continue the program in future years.
  - Planned May 2020 the Woodridge Rotary sponsored recycling extravaganza in Woodridge which the Village advertised and Village staff volunteered at.
  - planned free drop off for residents to recycle Christmas tree lights from approximately November 2020 – February 2021.

## **BMP B - Public Participation/Involvement**

### **Completed tasks in Year 18:**

- Village representatives attended monthly meetings of the DuPage County Municipal Engineers Group where discussions regarding water quality improvements regularly take place, including May, 2020, June 2020, August 2020, September 2020, October 2020, January 2021, and February 2021.
- Village representatives attended various public meetings of the DuPage County Stormwater Committee.
- The Village continues as a member of the DuPage River Salt Creek Workgroup and monitors and supports its activities and initiatives and attends meetings for relevant topics, including the session on April 2020.
- Village staff overviewed stormwater related plans and programs at the public budget workshop in September 2020, including looking for feedback and questions on stormwater projects.
- Village advertised the DuPage County Stormwater Management Planning Committee meeting on February 28, 2021 regarding the adequacy of the DuPage County Water Quality Program.
- Village staff continues to have a working relationship and/or membership with SCARCE, the Conservation Foundation, DuPage River Salt Creek Workgroup and other groups who work on sustainability efforts, public education/outreach, and/or monitor the East Branch DuPage River, and tributary branches within Woodridge, as well as participation on the East Branch Watershed Steering Committee, supporting DuPage County's Five Star and Urban Waters Restoration Program grant proposal, and participating in ongoing dialogue / meetings regarding proposed improvements on the East Branch such as the Lisle Levee.

## **BMP C - Illicit Discharge Detection/Elimination**

### **Completed tasks in Year 18:**

- The IDDE program was adopted by the County in 2009 and the Village previously approved an intergovernmental agreement between the two entities in 2010. Under the terms of the agreement, the County monitors for illicit discharges. If one is found, the County will trace the source and the Village will enforce the Ordinance. While the agreement term has expired, the County has continued outfall inspections and the Village has continued to advise the County of issues raised.
- The Village and DuPage County approved an additional intergovernmental agreement in November 2017 for DuPage County to complete inspections of Woodridge outfalls located in Will County (in addition to formalizing the partnership on implementation of the overall NPDES program). All Village outfalls (regardless of location) are now inspected by DuPage County.
- The Village is continuing to work with the staffing provided through the Village's membership in the intergovernmental GIS consortium, and through Village staff, in order to integrate additional storm sewer data from subdivision as built, new developments that are being constructed in the community, and related mapping efforts. Overall approximately 40 hours of mapping updates were completed.
- Continuing from 2018 – the Village has continued to follow up, with simultaneous enforcement action, against the Oak Bluff Homeowners Association, for unpermitted stormwater work they completed.
- Continuing from 2018 – the Village has continued to follow up, with simultaneous enforcement action, against the Natural Gas Pipeline Company, for restoration of their property for unpermitted stormwater work that occurred by an unauthorized 3<sup>rd</sup> party. This work has now been completed by the NGPL and inspected by the Village's consultant and closed out.
- May 2020 – Village received a resident complaint that their neighbor who owns a carpet cleaning business is discharging the cleaning waste to the storm sewer next to his home. No material was found, but when Village staff contacted the company they admitted they had been doing it, but it was only green chemicals. The company agreed to begin to bring the waste to an appropriate facility (local WWTP). Village staff contacted the WWTP several times, who confirmed they had set up an account and were now bringing the materials there for disposal.
- September 2020 – during a routine inspection Village staff noted a hose extending from the building at 2649 Internationale Parkway, along with an internal street sweeping unit, both dumping material to the storm sewer, that connected to a private retention pond. The building tenant was notified, along with the building owner (Prologis). The building owner secured the material and brought in a company to remove it from the storm sewer.
- January 2021 – the Village was notified of a potential fuel spill at 1840 Internationale Parkway. Investigated and the property owner was installing a new fuel tank and found a prior spill, limited to the property and being handled with the State Fire Marshall.

## **BMP D - Construction Site Runoff Control**

### **Completed tasks in Year 18:**

- The Village and its stormwater consultant reviewed and issued 17 new storm water permits, which included multiple reviews for each for proposed development/construction project for compliance with the Stormwater Ordinance. The Village (through staff and consultants) completes scheduled inspections specific to stormwater, random spot checks, as well as checks as a part of building permit related site visits on residential and commercial developments for erosion control, BMP inspection/compliance, as well as annual monitoring report reviews.

## **BMP E - Post-Construction Runoff Control**

### **Completed tasks in Year 18:**

- No amendments were completed by DuPage County or the Village for the Countywide Stormwater and Floodplain Ordinance. However, Village representatives attended various meetings and discussions including:
- Village representatives attended monthly meetings of the DuPage County Municipal Engineers Group where discussions regarding water quality improvements, design standards, and inspection activities, regularly take place.
- The Village of Woodridge has proactively encouraged developers to incorporate permanent BMPs into their final design wherever possible with new development.
- The Village continued with the language previously added to its development agreements, where developers must submit to the Village copies of all inspection reports and compliance documents being created as compliance requirement for Stormwater Pollution Prevention Plan (SWPPP) mandates, along with spot auditing developers not submitting for compliance.
- The Village has continued with the language being placed into Village agreements to require additional training to assist with pre and post development inspection and impacts by any contractor of the Village - (*“In compliance with National Pollutant Discharge Elimination System (NPDES) and ILR40 permit requirements, every contractor hired by the Village that will be engaged in any task or project that could potentially have an impact on water quality is required to have provided training to their employees to prevent and reduce storm water pollution from their activities.”*).
- The Village and its stormwater consultant reviewed and issued 17 new storm water permits, which included multiple reviews for each related to proposed development/construction project for compliance with the Stormwater Ordinance. The Village (through staff and consultants) completes scheduled inspections specific to stormwater, random spot checks, as well as checks as a part of building permit related site visits on residential and commercial developments for erosion control, BMP inspection/compliance, as well as annual monitoring report reviews and construction projects. The Village’s consultants performed over 148 soil erosion/sediment control (SE/SC) inspections, which is in addition to the inspection work completed by Village staff, which exceeded 900 site visits by staff.

**BMP F - Pollution Prevention/Good Housekeep.**

**Completed tasks in Year 18:**

- 
- April 2020 - Village representatives attended the “Stormwater: Behind the Scenes” webinar
- April 2020 - Village representatives attended the “Detention Basins: Going Native” webinar
- June 2020 – Village representatives attended the “Facility Pollution Prevention for MS4 Communities” webinar
- June 2020 – Village representatives attended the “Field Program Pollution Prevention for MS4 Communities” webinar
- September 2020 - Village representatives attended the “Going from Green to Purple: Using Green Roofs as a Stormwater Management Tool”
- October 2020 – Village representatives attended the “Parking Lots and Sidewalk Deicing Workshop”
- November 2020 – Village representatives attended the “Salt Smart, Save More”
- December 2020 – Village representatives attended the “Green Infrastructure for MS4 Communities Webinar #1”
- December 2020 - Village representatives attended the “Green Infrastructure for MS4 Communities Webinar #2”
- February 2021 – Village representatives attended the “Beyond the Basics”
- Village representatives attended numerous monthly meetings of the DuPage County Municipal Engineers workgroup, the DuPage River Salt Creek workgroup and the East Branch Watershed Planning Group.
- The Village maintained its contract with Lakeshore Recycling Services for street sweeping of the entire Village network to reduce the probability of storm water issues and reduce debris and organic waste making its way to any bodies of water. The work included the completion of 7 full sweeps over the year and additional targeted sweeps.
- The Village continued to incorporate liquid anti-icing and pre-wetting solutions into the snow and ice control plan, including the use on some public sidewalks, to improve response and reduce chloride run off along with continuing to increase the use of Beet Heet in its operations after a successful pilot program last year.

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

Name of Project Location	Start Date Completion Date Description
<p><b><u>2020 MFT Resurfacing</u></b> – list of streets including sections of Cromwell, Kimball, King, Mansfield, Meadowwood, Middlebury, Newcastle, Roberts (Drive and Court), Sundowner, Williams (Drive and Court)</p>	Approximately July 2020 – July 2020 / Curb, gutter, sidewalk, and resurfacing
<p><b><u>83<sup>rd</sup> Street Bridge Deck Rehabilitation</u></b>– 83<sup>rd</sup> Street Bridge Deck</p>	Approximately April 2020 – May 2020 Curb, gutter, sidewalk, and deck rehabilitation
<p><b><u>Water System Valve Replacement Program</u></b> – various locations</p>	Approximately October 2020 – November 2020
<p><b><u>2020 Crackfill Program</u></b> – included various streets and sealcoating various bikepaths</p>	Approximately July 2020
<p><b><u>Sanitary Sewer Televising, Cleaning, and Lining</u></b> – various locations</p>	approximately 23,000 lineal feet of televising and cleaning and lining rehabilitation
<p><b><u>83<sup>rd</sup> Street STP Resurfacing</u></b> – generally between Janes Avenue and Route 53</p>	Approximately May 2020 – July 2020 / Curb, gutter, sidewalk, and resurfacing
<p><b><u>Woodward Avenue STP Resurfacing</u></b> – generally between 75<sup>th</sup> Street and the Village’s northern boundary</p>	Approximately May 2020 – July 2020 / Curb, gutter, sidewalk, and resurfacing

## Green Infrastructure Seminar 12/3/20 Registration List

First Name	Last Name	Registration Time
Paula	Brinkman Lowe	11/13/2020 13:13
Brian	Borowiak	11/18/2020 20:06
Julie	Lomax	11/9/2020 11:07
Jonathan	Stelle	11/10/2020 13:29
Karen	Young	11/10/2020 11:43
Susan	Kopczynski	11/14/2020 3:19
Kimberly	McGrew	12/2/2020 14:39
Anngie	Richter	11/11/2020 8:52
Jamil	Bou-Saab	12/4/2020 12:29
Matthew	Lew	11/9/2020 14:48
Cori	Tiberi	11/10/2020 11:46
Karen	Kase	11/30/2020 10:37
Andy	Anderson	12/2/2020 14:41
Jenna	Fahey	11/30/2020 7:38
Kristine	Hocking	12/2/2020 8:38
Mike	Litwin	12/2/2020 14:48
Richard	Novinger	11/10/2020 11:45
Claire	Kissane	11/20/2020 16:21
Joel	Melin	11/24/2020 12:47
Paul	Bourke	11/10/2020 13:33
Thomas	Pawlowicz	11/23/2020 9:41
Kai	Liu	11/10/2020 11:42
MEHUL	PATEL	11/10/2020 11:30
Kelsey	Pudlock	11/16/2020 8:22
Christine	Klepp	11/10/2020 11:24
Pat	Colford	11/12/2020 12:53
Adam	Frederick	11/10/2020 11:31
Mike	Adams	11/17/2020 13:50
George	Feitl	11/26/2020 11:01
Dan	Bounds	12/4/2020 12:13
Rick	Valent	11/10/2020 9:16
Mariah	Krueger	12/4/2020 23:15
Mathew	Goertel	11/14/2020 22:02
Elizabeth	Fiorino	11/23/2020 10:30
Siamak	Malek	11/10/2020 11:56
Alex	Nagy	11/23/2020 15:40
Nicholas	Assell	12/7/2020 8:58
Kristina	Murphy	12/2/2020 14:48
Angela	Levernier	11/10/2020 17:54
Brian	Morrow	11/16/2020 8:27
Jim	Hills	11/23/2020 9:02
Michael	Guerra	11/10/2020 11:38
Wildy	Pantoja	11/10/2020 14:26
Chris	Nichols	11/10/2020 14:51
Colleen	Ruhter	11/25/2020 8:55
Aaron	Gonet	12/2/2020 15:01

Patrick	Moone	11/23/2020 14:04
Tamara	Freihat	11/23/2020 10:33
George	Mroz	11/17/2020 8:31
Beth	Reinke	11/24/2020 8:26
Jason	Elias	11/9/2020 11:11
Rick	Federighi	11/16/2020 16:13
Rich	Salerno	12/3/2020 16:26
Robert	Prohaska	11/10/2020 11:37
Michael	Maslowski	12/8/2020 12:03
Eric	Otto	12/4/2020 13:30
Jack	Worsham	12/4/2020 12:12
Michael	Tuman	11/23/2020 9:02
Steve	Hinchee	11/23/2020 9:11
Robert	Niemotka	11/27/2020 6:45
Kristin	Mehl	11/9/2020 11:55
Mary Beth	Falsey	11/10/2020 11:27
Michael	Maritato	11/17/2020 8:36
Omar	Santos	11/16/2020 8:22
Gregory	Ulreich	11/9/2020 12:16
Jamie	Lock	11/18/2020 20:09
Jennifer	Boyer	11/10/2020 15:25
BILL	CLEVELAND	12/4/2020 16:46
Shane	Carpani	12/4/2020 12:11
Jacob	Wellbank	11/9/2020 10:48
Jacob	Jozefowski	11/11/2020 8:14
Avery	Mumm	11/23/2020 10:13
Daniel	Watson	11/9/2020 11:17
Russell	Peacock	11/9/2020 12:37
David	Romero	11/11/2020 9:58
Bruce	Bloom	11/14/2020 3:50
Kent	Johnson	12/2/2020 14:31
DAVE	SMITH	12/3/2020 9:56
John	Pavlis	11/23/2020 10:45
Bob	Kozurek	11/10/2020 15:08
Michael	Marchi	11/24/2020 5:30
Chris	Gottlieb	11/23/2020 9:01
Rachael	West	11/23/2020 9:14
Craig	Ward	12/2/2020 8:47
Timothy	Grimm	11/10/2020 13:05
John	Hubsky	11/23/2020 10:30
Brian	Sisco	12/7/2020 8:30
Kris	Dunn	11/10/2020 14:00
Jorge	Jorda	11/11/2020 7:26
Jennifer	Kampa	12/7/2020 9:01
Dan	Deeter	11/9/2020 10:31
Adam	Hall	11/10/2020 7:37
Kyle	Black	12/2/2020 16:02

Scott	Randall	12/3/2020 7:59
Leslie	Heath	11/23/2020 14:47
Ron	Roehn	12/2/2020 10:55
betsy	liggett	12/2/2020 15:59
Clayton	Heffter	11/10/2020 11:29
John	Hoffmann	11/24/2020 7:29
Steve	Pertzborn	11/11/2020 10:42
Martin	McManamon	11/24/2020 9:50
Ryan	Hayden	11/24/2020 10:47
Chris	Bethel	11/9/2020 11:14
Dan	Lynch	11/11/2020 8:38
Kurt	Muth	11/23/2020 10:24
Anne	Wilford	11/23/2020 10:35
Ron	Raphael	11/19/2020 7:34
Lee	Hauser	11/23/2020 8:59
Sarah	Hunn	12/2/2020 8:47
Andrew	Hynes	12/2/2020 14:02
Bob	Minix	12/2/2020 19:29
Katherine	Wier	11/13/2020 21:39
Jason	Pauling	12/2/2020 11:03
Anthony	Charlton	12/2/2020 14:46
Rob	Skerke	12/3/2020 14:31
JIALING	YE	12/3/2020 14:47
victor	michuda	11/24/2020 10:38
Hollis	Ude	12/2/2020 14:53
Mark	Ruddick	12/3/2020 14:32
Brett	Garelli	11/12/2020 9:29
Alan	Lange	11/9/2020 10:21
Marla	Gabie	11/14/2020 3:52
Gerald	Turrise	12/2/2020 9:42
Tim	Wilcox	11/12/2020 9:50
Patrick	Hastings	12/2/2020 9:09
Pratik	Patel	11/24/2020 13:31
Chris	Bong	11/10/2020 13:20
Thomas	Klasen	11/18/2020 20:08
william	mcclain	12/4/2020 15:08
Tomaras	Woods	11/23/2020 13:48
Luke	Cox	12/2/2020 8:43
Brian	Schuetz	12/9/2020 8:00
Jillyn	O'Shea	12/6/2020 10:25
Sarang	Lagvankar	11/9/2020 11:19
Veronica	Hall	11/9/2020 11:24
Andrea	Pini	11/30/2020 9:57
Ashley	Strelcheck	11/11/2020 7:21
Amy	McKenna	11/10/2020 14:53
Peter	Krumins	11/9/2020 10:23
David	Garges	11/18/2020 20:07

Anita	Mitchell	11/14/2020 9:26
Vassili	Voskresenski	12/2/2020 8:39
Robert	Covey	12/7/2020 14:38
Phil	Modaff	12/2/2020 8:52
Susan	Rowley	12/4/2020 12:11
Michael	Beranek	11/10/2020 12:11
Kerry	Behr	11/10/2020 11:42
Derek	Pellicci	11/25/2020 10:58
Lori	Edwards	11/23/2020 14:13
Antonio	Sammarco	11/12/2020 6:55
Brendan	McLaughlin	12/3/2020 14:21
Ray	Fano	11/9/2020 10:27
Anthony	Bryant	12/2/2020 13:52
Bob	Allen	11/23/2020 9:04
James	Patterson	11/23/2020 15:26
David	Winklebleck	11/12/2020 15:18
Carl	Goldsmith	11/11/2020 8:08
scott	weber	11/23/2020 13:07
Elle	Vee	11/23/2020 9:22
Cristin	Robertson	11/24/2020 8:43
Jim	Mauerman	11/10/2020 7:16
Robert	Flatter	11/16/2020 16:38
Brianna	Freitag	11/23/2020 11:12
Martin	McManamon	11/23/2020 12:53
Brandie	Bray	12/4/2020 13:04
Geoffrey	Matteson	11/12/2020 9:32
Dave	Shah	11/23/2020 13:24
Ivy	Klee	11/23/2020 11:03
Tye	Loomis	12/4/2020 6:31
Coilin	McConnell	12/4/2020 12:32
Yifang	Lu	11/10/2020 13:25
Kevin	Fricke	11/16/2020 8:09
Erin	Pande	11/10/2020 11:24
Mark	Wesolowski	11/10/2020 12:32
Rob	Linke	12/1/2020 16:41
Laura	Schweizer	12/2/2020 13:10
Michelina	Hansel	11/23/2020 9:40

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Anngie	Richter	11/11/2020 8:52
Matthew	Lew	11/9/2020 14:48
Cori	Tiberi	11/10/2020 11:46
Karen	Kase	11/30/2020 10:37
Jenna	Fahey	11/30/2020 7:38
Richard	Novinger	11/10/2020 11:45
Claire	Kissane	11/20/2020 16:21
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Rick	Valent	11/10/2020 9:16
Mathew	Goertel	11/14/2020 22:02
Elizabeth	Fiorino	11/23/2020 10:30
Siamak	Malek	11/10/2020 11:56
Alex	Nagy	11/23/2020 15:40
Angela	Levernier	11/10/2020 17:54
Brian	Morrow	11/16/2020 8:27
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Chris	Nichols	11/10/2020 14:51
Colleen	Ruhter	11/25/2020 8:55
Patrick	Moone	11/23/2020 14:04
Tamara	Freihat	11/23/2020 10:33
George	Mroz	11/17/2020 8:31
Beth	Reinke	11/24/2020 8:26
Jason	Elias	11/9/2020 11:11
Rick	Federighi	11/16/2020 16:13
Robert	Prohaska	11/10/2020 11:37
Michael	Tuman	11/23/2020 9:02
Steve	Hinchee	11/23/2020 9:11
Robert	Niemotka	11/27/2020 6:45

Kristin	Mehl	11/9/2020 11:55
Mary Beth	Falsey	11/10/2020 11:27
Michael	Maritato	11/17/2020 8:36
Omar	Santos	11/16/2020 8:22
Gregory	Ulreich	11/9/2020 12:16
Jamie	Lock	11/18/2020 20:09
Jennifer	Boyer	11/10/2020 15:25
Jacob	Wellbank	11/9/2020 10:48
Jacob	Jozefowski	11/11/2020 8:14
Avery	Mumm	11/23/2020 10:13
Daniel	Watson	11/9/2020 11:17
Russell	Peacock	11/9/2020 12:37
David	Romero	11/11/2020 9:58
Bruce	Bloom	11/14/2020 3:50
John	Pavlis	11/23/2020 10:45
Bob	Kozurek	11/10/2020 15:08
Michael	Marchi	11/24/2020 5:30
Chris	Gottlieb	11/23/2020 9:01
Rachael	West	11/23/2020 9:14
Timothy	Grimm	11/10/2020 13:05
John	Hubsky	11/23/2020 10:30
Kris	Dunn	11/10/2020 14:00
Jorge	Jorda	11/11/2020 7:26
Dan	Deeter	11/9/2020 10:31
Adam	Hall	11/10/2020 7:37
Leslie	Heath	11/23/2020 14:47
Clayton	Heffter	11/10/2020 11:29
John	Hoffmann	11/24/2020 7:29
Steve	Pertzborn	11/11/2020 10:42
Martin	McManamon	11/24/2020 9:50
Ryan	Hayden	11/24/2020 10:47
Chris	Bethel	11/9/2020 11:14
Dan	Lynch	11/11/2020 8:38
Kurt	Muth	11/23/2020 10:24
Anne	Wilford	11/23/2020 10:35
Ron	Raphael	11/19/2020 7:34
Lee	Hauser	11/23/2020 8:59
Katherine	Wier	11/13/2020 21:39
victor	michuda	11/24/2020 10:38
Brett	Garelli	11/12/2020 9:29
Alan	Lange	11/9/2020 10:21
marla	gabie	11/14/2020 3:52
Tim	Wilcox	11/12/2020 9:50
Pratik	Patel	11/24/2020 13:31
Chris	Bong	11/10/2020 13:20
Thomas	Klasen	11/18/2020 20:08
Tomaras	Woods	11/23/2020 13:48

Sarang	Lagvankar	11/9/2020 11:19
Veronica	Hall	11/9/2020 11:24
Andrea	Pini	11/30/2020 9:57
Ashley	Strelcheck	11/11/2020 7:21
Amy	McKenna	11/10/2020 14:53
Peter	Krumins	11/9/2020 10:23
David	Garges	11/18/2020 20:07
Anita	Mitchell	11/14/2020 9:26
Michael	Beranek	11/10/2020 12:11
Kerry	Behr	11/10/2020 11:42
Derek	Pellicci	11/25/2020 10:58
Lori	Edwards	11/23/2020 14:13
Antonio	Sammarco	11/12/2020 6:55
Ray	Fano	11/9/2020 10:27
Bob	Allen	11/23/2020 9:04
James	Patterson	11/23/2020 15:26
David	Winklebleck	11/12/2020 15:18
Carl	Goldsmith	11/11/2020 8:08
scott	weber	11/23/2020 13:07
Elle	Vee	11/23/2020 9:22
Cristin	Robertson	11/24/2020 8:43
Jim	Mauerman	11/10/2020 7:16
Robert	Flatter	11/16/2020 16:38
Brianna	Freitag	11/23/2020 11:12
Martin	McManamon	11/23/2020 12:53
Geoffrey	Matteson	11/12/2020 9:32
Dave	Shah	11/23/2020 13:24
Ivy	Klee	11/23/2020 11:03
Yifang	Lu	11/10/2020 13:25
Kevin	Fricke	11/16/2020 8:09
Erin	Pande	11/10/2020 11:24
Mark	Wesolowski	11/10/2020 12:32
Michelina	Hansel	11/23/2020 9:40

## Pollution Prevention Seminar Registration 6/10/20

First Name	Last Name	Registration Time
Julie	Lomax	5/28/2020 10:32
Jonathan	Stelle	5/26/2020 13:30
Peter	Potamianos	6/4/2020 15:51
Emily	Campbell	6/4/2020 10:03
David	Drufke	5/27/2020 10:01
Karen	Kase	5/21/2020 9:30
Cori	Tlberi	5/22/2020 11:42
Guy	Lam	5/20/2020 13:03
Jenna	Fahey	5/21/2020 8:12
alex	handel	6/4/2020 11:20
Elias	Koutas	6/4/2020 10:10
Richard	Novinger	5/22/2020 12:31
Claire	Kissane	5/26/2020 12:59
Joel	Melin	5/26/2020 9:58
William	Novack	6/2/2020 21:25
Shiyi	Chen	6/4/2020 20:14
John	Brechin	5/22/2020 9:43
Deanna	Doohaluk	6/4/2020 9:28
Jeff	Eldridge	6/4/2020 10:51
James	Dillon	5/29/2020 7:38
Dan	Bounds	5/20/2020 13:02
Elizabeth	Fiorino	5/26/2020 8:34
Jim	McGuire	6/4/2020 12:20
Nicholas	Jensen	5/26/2020 6:59
Angela	Levernier	5/20/2020 21:21
Lynn	Kroll	6/4/2020 8:51
Rich	Salerno	5/22/2020 9:43
Jason	Elias	6/5/2020 6:47
Robert	Prohaska	6/4/2020 9:43
Jack	Worsham	5/20/2020 13:02
Mary Beth	Falsey	5/22/2020 9:43
Kristin	Mehl	5/22/2020 9:54
Joseph	Regis	6/4/2020 10:27
Gregory	Ulreich	5/22/2020 15:05
Mike	Warmus	6/4/2020 8:50
ELLEN	GOELZ	6/4/2020 10:30
Jen	Boyer	5/28/2020 11:32
Jacob	Wellbank	5/22/2020 9:46
Avery	Mumm	5/20/2020 13:09
Daniel	Watson	5/26/2020 9:22
Jeff	Moline	5/22/2020 10:50
Russell	Peacock	6/1/2020 17:14
Bruce	Bloom	6/4/2020 0:56
John	Pavlis	6/4/2020 10:27
Robert	Kozurek	6/3/2020 13:18
Michael	Marchi	6/4/2020 9:13

Ray	Schwab	6/5/2020 10:49
Rachael	West	6/4/2020 8:52
John	Hubsky	6/4/2020 9:12
Timothy	Grimm	6/5/2020 7:05
Kris	Dunn	6/1/2020 16:48
Jorge	Jorda	5/22/2020 11:53
Dan	Deeter	5/22/2020 9:44
Karen	Daulton Lange	5/21/2020 12:06
Scott	Randall	6/5/2020 8:25
Ron	Roehn	5/27/2020 13:02
Gregory	Boysen	6/4/2020 9:00
Nazario	Rivas	6/1/2020 11:11
Clayton	Heffter	6/1/2020 14:36
Michael	Ramsey	5/28/2020 7:59
Dan	Lynch	5/22/2020 9:55
Chris	Bethel	5/22/2020 10:04
Robert	Houston	5/29/2020 7:06
David	Ferdinand	6/4/2020 16:55
Chris	Reynolds	5/22/2020 10:28
Shawn	Benson	6/4/2020 20:11
Lee	Hauser	6/4/2020 8:49
Jason	Pauling	5/29/2020 7:35
Rob	Skерke	6/4/2020 9:34
Alan	Lange	6/1/2020 7:48
Marla	Gabie	6/4/2020 0:59
Logan	Gilbertsen	6/5/2020 8:17
James	Holzapfel	6/4/2020 10:34
David	Gorman	6/5/2020 10:35
Michael	Krzywinski	6/5/2020 8:46
william	mcclain	5/28/2020 9:30
Tomaras	Woods	5/26/2020 13:55
Stacy	Simpson	6/2/2020 11:04
Scott	Nielsen	5/22/2020 12:47
Sarang	Lagvankar	6/2/2020 8:26
Andrea	Pini	5/21/2020 8:46
Amy	McKenna	5/27/2020 20:38
Phil	Modaff	5/26/2020 7:39
Michael	Beranek	5/26/2020 10:42
Kerry	Behr	5/27/2020 17:46
Josh	Larson	5/29/2020 7:31
Lori	Edwards	5/26/2020 12:48
Brendan	Bauers	5/29/2020 7:40
Antonio	Sammarco	5/26/2020 7:36
Christopher	Randle	5/20/2020 13:06
Ray	Fano	5/22/2020 10:03
Bob	Allen	5/22/2020 9:51
David	Winklebleck	5/22/2020 12:29

Scott	Weber	5/20/2020 13:03
Amber	Wyss	6/4/2020 9:06
Donna	Twickler	6/4/2020 23:01
Brianna	Freitag	5/20/2020 17:07
Andy	Sikich	5/22/2020 11:54
Erskine	Klyce Jr.	5/22/2020 12:54
Dave	Shah	5/25/2020 18:57
Mike	Tijerina	5/29/2020 7:29
Don	Holod	5/22/2020 11:43
Yifang	Lu	5/22/2020 11:43

Pollution Prevention Seminar 6/17/20 Registration

First Name	Last Name	Registration Time
Julie	Lomax	5/28/2020 10:33
Jonathan	Stelle	5/26/2020 13:48
Jason	Kauffman	5/27/2020 12:29
Emily	Campbell	6/4/2020 10:03
Todd	Bonk	5/20/2020 12:57
Karen	Kase	5/21/2020 9:30
Cori	TIberi	5/22/2020 11:43
Jenna	Fahey	5/21/2020 8:12
alex	handel	6/4/2020 11:20
Elias	Koutas	6/4/2020 10:22
Richard	Novinger	5/22/2020 12:33
Claire	Kissane	5/26/2020 13:01
Joel	Melin	5/26/2020 9:59
Shiyi	Chen	6/4/2020 20:16
John	Brechin	5/22/2020 9:44
Thomas	Pawlowicz	6/4/2020 8:54
Deanna	Doohaluk	6/4/2020 9:28
Jeff	Eldridge	6/4/2020 10:51
Dan	Bounds	5/20/2020 12:59
Elizabeth	Fiorino	5/26/2020 9:08
Jim	McGuire	6/4/2020 12:21
Nicholas	Jensen	5/26/2020 7:01
Angela	Levernier	5/20/2020 21:22
Raymond	Sikkema	6/4/2020 10:37
Lynn	Kroll	6/4/2020 8:49
Jason	Elias	6/5/2020 6:49
Robert	Prohaska	6/4/2020 9:44
Jack	Worsham	5/20/2020 13:00
Mary Beth	Falsey	5/22/2020 9:43
Kristin	Mehl	5/22/2020 9:54
Joseph	Regis	6/4/2020 10:28
Jaime	Farias	5/29/2020 7:34
Gregory	Ulreich	5/22/2020 15:09
Jen	Boyer	5/28/2020 11:34
Jacob	Wellbank	5/22/2020 9:46
Avery	Mumm	5/20/2020 13:09
Daniel	Watson	5/26/2020 9:23
Jeff	Moline	5/22/2020 10:51
Russell	Peacock	6/1/2020 17:14
Rich	Schaffer	5/29/2020 7:43
Bruce	Bloom	6/4/2020 1:03
John	Pavlis	6/4/2020 10:29
Robert	Kozurek	6/3/2020 13:20
Michael	Marchi	6/4/2020 9:15
Ray	Schwab	6/5/2020 10:49
David	Buckley	5/28/2020 7:42

Rachael	West	6/4/2020 8:53
Charles	Hartley	6/4/2020 11:12
Timothy	Grimm	6/5/2020 7:05
Kris	Dunn	6/1/2020 16:49
Jorge	Jorda	5/22/2020 11:54
Dan	Deeter	5/22/2020 9:44
Karen	Daulton Lange	5/21/2020 12:07
Ron	Turner	5/29/2020 7:41
Ron	Roehn	5/27/2020 13:05
Gregory	Boysen	6/4/2020 9:01
Nazario	Rivas	6/1/2020 11:13
Clayton	Heffter	6/1/2020 14:37
Dan	Lynch	5/22/2020 9:42
Chris	Bethel	5/22/2020 10:03
Ryan	Ryczek	6/3/2020 15:37
Anamarie	Rivera	6/3/2020 15:38
Martin	Zamecnik	5/29/2020 7:32
Robert	Houston	5/29/2020 7:24
Chris	Reynolds	5/22/2020 10:28
Shawn	Benson	6/4/2020 20:11
Lee	Hauser	6/4/2020 8:51
Jason	Pauling	5/29/2020 7:36
Rob	Skерke	6/4/2020 9:35
Marla	Gabie	6/4/2020 1:02
Logan	Gilbertsen	6/5/2020 8:17
James	Holzapfel	6/4/2020 10:34
David	Gorman	6/5/2020 10:36
Michael	Krzywinski	6/5/2020 8:45
Tomaras	Woods	5/26/2020 13:56
Don	Jackson	6/2/2020 13:29
Scott	Nielsen	5/22/2020 12:47
Sarang	Lagvankar	6/2/2020 8:27
Andrea	Pini	5/21/2020 8:46
Ashley	Strelcheck	6/5/2020 7:05
Amy	McKenna	5/27/2020 20:38
Phil	Modaff	5/26/2020 7:41
Michael	Beranek	5/26/2020 10:43
Kerry	Behr	5/27/2020 17:47
Lori	Edwards	5/26/2020 12:49
Antonio	Sammarco	5/26/2020 7:37
Christopher	Randle	5/20/2020 13:06
Ray	Fano	5/22/2020 10:03
Bob	Allen	5/22/2020 9:53
David	Winklebleck	5/22/2020 12:30
Amber	Wyss	6/4/2020 9:06
Donna	Twickler	6/4/2020 23:05
Brianna	Freitag	5/20/2020 17:08

Andy	Sikich	5/22/2020 11:55
Erskine	Klyce Jr.	5/22/2020 12:55
Dave	Shah	5/25/2020 18:58
Don	Holod	5/28/2020 10:51
Yifang	Lu	5/22/2020 11:44



## 2020 Deicing Webinar Attendance by Agency - DuPage County

October 1st Public Roads	Addison Township
October 14 Public Roads	City of Elmhurst
October 1st Public Roads	City of Naperville
October 14 Public Roads	City of Warrenville
October 1st Public Roads	City of Warrenville
October 14 Public Roads	City of Wheaton
October 1st Public Roads	Lisle Township
October 14 Public Roads	Village of Bartlett
October 14 Public Roads	Village of Burr Ridge
October 14 Public Roads	Village of Carol Stream
October 14 Public Roads	Village of Clarendon Hills
October 14 Public Roads	Village of Darien
October 1st Public Roads	Village of Darien
October 14 Public Roads	Village of Downers Grove
October 14 Public Roads	Village of Glen Ellyn
October 14 Public Roads	Village of Glendale Heights
October 1st Public Roads	Village of Glendale Heights
October 14 Public Roads	Village of Itasca
October 14 Public Roads	Village of Lombard
October 14 Public Roads	Village of Oak Brook
October 14 Public Roads	Village of Roselle
October 14 Public Roads	Village of Villa Park
October 14 Public Roads	Village of Woodridge
October 14 Public Roads	Wayne Township
October 14 Public Roads	Winfield Township

October 8th Parking Lots & Sidewalks	Addison Park District
October 8th Parking Lots & Sidewalks	Bloomington Park District
October 8th Parking Lots & Sidewalks	City of Elmhurst
October 8th Parking Lots & Sidewalks	City of Wheaton
October 8th Parking Lots & Sidewalks	DuPage County Forest Preserve District
October 8th Parking Lots & Sidewalks	Naperville Park District
October 8th Parking Lots & Sidewalks	Village of Bloomingdale
October 8th Parking Lots & Sidewalks	Village of Clarendon Hills
October 8th Parking Lots & Sidewalks	Village of Glen Ellyn
October 8th Parking Lots & Sidewalks	Village of Hanover Park
October 8th Parking Lots & Sidewalks	Village of Oak Brook
October 8th Parking Lots & Sidewalks	Woodridge Park District

**DRSCW ILR40 Activities  
March 2020– February 2021**

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

Not applicable to the work of the DRSCW.

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

Not applicable to the work of the DRSCW.

**PART III. SPECIAL CONDITIONS**

Not applicable to the work of the DRSCW.

**PART IV. STORM WATER MANAGEMENT PROGRAMS**

**A. Requirements**

Not applicable to the work of the DRSCW.

**B. Minimum Control Measure**

*1. Public Education and Outreach on Stormwater Impacts*

DRSCW outreach activities for the year ending 2020 included:

- The DRSCW website was updated and maintained during the reporting period and periodically updated with presentations and material ([www.drscw.org](http://www.drscw.org)).
- A searchable database with information on local aquatic biodiversity (IBIs), habitat (QHEI), and sediment and water column chemistry 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, 2020 to February 28, 2021 are listed below. Selected presentations are made available on the DRSCW website and upon request.

April 29, 2020 – The Survivability of the COVID-19 Virus in Air, Water, Wastewater, and Various Surfaces. Presenter: Charles P. Gerba, Professor of Epidemiology and Bio-statistics in the Department of Environmental Science. University of Arizona.

April 29, 2020 -- Conserving riverine fish populations in dammed rivers: maintaining population connectivity using upstream fish passage at barriers. Presenter: Dr. Boyd Kynard, BK RiverFish.

June 24, 2020 – Restore Salt Creek. Presenter: Stephen McCracken and Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup.

August 26, 2020 – Changes in the Fish Assemblage of Chicago's Working Waterways over 3 Decades. Dr. Austin Happel, Ph.D. Research Biologist, John G. Shedd Aquarium & Dustin Gallagher, Aquatic Biologist, MWRDGC.

August 26, 2020– Restore Salt Creek. Presenter: Peter Gray, Aileron Communications.

October 29, 2020 – Update on Spring Brook Phase II. Presenter: Scott Meister, Manager of Natural Resources, Forest Preserve District of DuPage County.

December 9, 2021 – Reconnecting waterways in northeastern Illinois: Current progress and future challenges. Steve Pescitelli, Region II Steam Specialist, Illinois Department of Natural Resources

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

February 6, 2020 – Urban Winter Chloride Management - LTAP Drainage and Stormwater Conference, Purdue University, Indiana. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup.

April 6, 2020 – Alternatives at the Graue Mill Dam- Salt Creek Watershed Network. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup.

April 7, 2020 – Dam Removals in Northeast Illinois Press Conference. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup.

May 2020 – TMDLs – Thinking Beyond Permit Limits, River Rally (virtual conference). Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup.

May 14, 2020 – IPS model - Project ID and NARP development, Lower Des Plaines Watershed Group. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup.

July 7 & 9, 2020 – Virtual Open Houses for the Master Plan for Salt Creek at Fullersburg Woods. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup.

September 8, 2020 – Master Plan for Salt Creek at Fullersburg Woods, Oak Brook Village Board Meeting. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup.

September 22, 2020 – Master Plan for Salt Creek at Fullersburg Woods, FPDDC Planning Meeting. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup.

October 1, 2020 – Chloride TMDLs in NE Illinois for USEPA Chloride Working Group. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup.

October 1, 8, & 14, 2020 – Welcome and Introductions for the Chloride Workshops, October 1, 8 and 14, 2020. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup and Jennifer Hammer, The Conservation Foundation.

October 19, 2020 – Impacts of Dams and the Benefits of Dam Removal, TCF Will County Advisory Council, October 19, 2020. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup.

October 24, 2020 – Master Plan for Salt Creek at Fullersburg Woods, LWV-LaGrange. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup.

November 12, 2020 – Master Plan for Salt Creek at Fullersburg Woods, TCF DuPage County Advisory Council. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup.

November 18, 2020 – Nutrient Assessment and Reduction Plans, North Branch Watershed Workgroup (NBWW) Membership Meeting, November 18, 2020. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup.

January 27, 2021 – Project Identification and Selection for Aquatic Life Improvement, Flint Creek/Spring Creek Watersheds Partnership. Presenter: Stephen McCracken and Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup.

February 26, 2021 – Managing Stream Resource Quality in Urban Watersheds, Water and Waste Management (WWM) 3<sup>rd</sup> International Conference and Expo. Presenter: Stephen McCracken, The Conservation Foundation/DuPage River Salt Creek Workgroup.

February 26, 2021 – Dam Removals: A Key Component of Stream Ecosystem Restoration, Water and Waste Management (WWM) 3<sup>rd</sup> International Conference and Expo. Presenter: Deanna Doohaluk, The Conservation Foundation/DuPage River Salt Creek Workgroup.

*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*

As monitoring ambient chloride concentrations has proven an imperfect metric for tracking efficiency trends in winter salt use the DRSCW has attempted to track adoption of sensible salting BMPs in the program area since 2007. 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 will be distributed in spring of 2021 and the results will be supplied in the 2021 MS4 Activities Report.

#### *Chloride Reduction Workshops*

During the reporting period March 1, 2020 to February 28, 2021, three chloride reduction workshops and four 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. Workshop registration was also made available to agencies in McHenry, Lake and Cook counties as their usual annual deicing workshops were cancelled. Accordingly, the webinars were attended by staff in DuPage, Will, Kane, Kendall, Lake, McHenry and Cook counties.

Public Roads Deicing Workshops were held on October 1 and October 14, 2020 (Plate 1). Fortin Consulting, Inc. from Minnesota was engaged to present the material. A registration fee was required per agency in order view the webinar. The links were sharable so the webinars could be viewed individually or in groups. A poll was taken at the beginning of each webinar asking how many persons were in the room. The polling results indicated that there were 280 persons viewing the Oct. 1 webinar and 190 persons viewing the Oct. 14<sup>th</sup> webinar for a total of 470 attendees for the Public Roads webinars. Certificates of attendance were provided to those who requested them. Evaluation surveys were sent to the persons who logged in to the webinars. A link to the Minnesota Snow and Ice Control: Field Book for Snowplow Operators was provided to each registrant. The registration list by agency for the Winter De-icing Workshops is included in Attachment A.

*Plate 1. Deicing Workshops Registration Form, 2020.*



On October 8, 2020 the Parking Lots and Sidewalks Deicing Workshop webinar was held, Fortin Consulting, Inc. was again engaged to present the material. The polling results indicated that there were 123 persons viewing the webinar. Certificates of attendance were provided to those who requested them. Evaluation surveys were sent to the persons who logged in to the webinars. A link to the Minnesota Pollution Control Agency Winter Parking Lot & Sidewalk Maintenance Manual was provided to each registrant. The registration list by agency for the Winter De-icing Workshops is included in Attachment A.

Questions from participants were entered into the chat and answered by Fortin Consulting or Workgroup staff as well as others participating in the training. A summary of all links provided during the training as well as other links added to the chat were captured and provided to the participants after the webinar (Plate 2).

To complement the Winter Deicing Workshops, the Winter Technical Briefs – Mini-Webinar Series was presented to focus on specific issues (Plate 13). Topics in 2020 included: October 20 – Reducing Salt With Organics: The Boost & Reduce Method, October 27 – Sourcewell & Cooperative Purchasing, November 10 – Benefits of Segmented Blades, and November 17 – The Fine Art of Brine Making. Staff also worked with local partners to create a training video on how to calibrate a walk behind salt spreader. These webinars and training video are posted on [www.saltsmart.org](http://www.saltsmart.org).

Plate 2. Links from webinar presentation and chat, 2020.



**October 2020 Winter Deicing Workshop Links**

- Roads manual - <http://www.mn100.unm.edu/publications/thermalbooks/documents/knownice.pdf>
- State-by-state Winter Maintenance Statistics - <https://clearroads.org/winter-maintenance-survey/>
- Well 14 - [https://www.cityofmadison.com/water/evsdomasi/areline\\_madison\\_from\\_salt\\_1](https://www.cityofmadison.com/water/evsdomasi/areline_madison_from_salt_1)
- "The Real Cost of Salt Use" Report - [https://www.pca.state.mn.us/sites/default/files/sep\\_sep11\\_0526.pdf](https://www.pca.state.mn.us/sites/default/files/sep_sep11_0526.pdf)
- Stormwater Research at St. Anthony Falls Laboratory, "Urban Stormwater Ponds can be a Source of Phosphorus" - [http://stormwater.salt.unm.edu/updates/newsletters/updates\\_april\\_2018](http://stormwater.salt.unm.edu/updates/newsletters/updates_april_2018)
- The Skinny on water softeners - <https://www.pca.state.mn.us/skinny-water-softeners>
- Clear Roads - <https://clearroads.org> <https://clearroads.org/materials-liquid-materials/>
- For the Model Snow and Ice Policy (for municipal operations)- <https://www.pca.state.mn.us/sites/default/files/p-tr1-51a.pdf>
- Model Municipal Ordinances - <https://www.pca.state.mn.us/sites/default/files/p-tr1-54.pdf>
- Model Private Contract (for hiring private contractors)- <https://www.pca.state.mn.us/sites/default/files/p-tr1-57a.pdf>
- Salt Smart Collaborative - [www.saltsmart.org](http://www.saltsmart.org)
- Calibrating Manual Senders <https://www.pca.state.mn.us/sites/default/files/road/salt-calibrating-manual-senders.pdf>
- Watch this later for calibration! City of Shorewood Hills Calibration Video - [http://www.youtube.com/watch?v=LE19-but\\_e8h-0m20](http://www.youtube.com/watch?v=LE19-but_e8h-0m20)
- Illinois Department of Transportation - [www.ertlinetrounchillinois.com](http://www.ertlinetrounchillinois.com)
- Information on Henderson's Brine makers <http://www.hendersonproducts.com/brine/retrofit-advantage.html>
- Information on Henderson's Liquid Application Systems <http://www.hendersonproducts.com/liquid-ice-control-systems.html> Rob Florio Henderson Products - [rflo@hendersonproducts.com](mailto:rflo@hendersonproducts.com) or Chris Kack - [ckack@hendersonproducts.com](mailto:ckack@hendersonproducts.com) or call/text (847)754-5035
- Ag by product Liquids Effectiveness - [http://clearroads.org/wp-content/uploads/files\\_sabwsh/IR\\_C1\\_11\\_07\\_Review.pdf](http://clearroads.org/wp-content/uploads/files_sabwsh/IR_C1_11_07_Review.pdf)
- Salt Brine Blending to Optimize Deicing and Anti-icing Performance - <http://www.dot.state.mn.us/research/documents/201220.pdf>
- More isn't always better - [https://www.youtube.com/watch?v=YM1uIn\\_Agk](https://www.youtube.com/watch?v=YM1uIn_Agk)
- Deicing Application Rates for two-lane road - <https://fortinconsulting.com/wp-content/uploads/2018/04/Road-Deicing-Apex-Chart-Master-Copy.pdf>
- Chute design - [http://www.dot.state.mn.us/maintenance/files/salt\\_sustainability/saltchute.pdf](http://www.dot.state.mn.us/maintenance/files/salt_sustainability/saltchute.pdf)
- The Small Sites YouTube video is at <https://v637z.apc.apc.cd/ab/2a85P4-Wl1Pwv2>
- "Smart Salting for Sustainability" by AASHTO - <https://www.transportation.org/2020/09/14/episode-40-smart-salting-for-sustainability/>
- 4-page summary of Statewide Chloride Mgmt. Plan - [https://www.pca.state.mn.us/sites/default/files/sep\\_sep11\\_0671.pdf](https://www.pca.state.mn.us/sites/default/files/sep_sep11_0671.pdf)
- Twin Cities Metropolitan Area Chloride Management Plan - [https://www.pca.state.mn.us/sites/default/files/sep\\_sep11\\_0671.pdf](https://www.pca.state.mn.us/sites/default/files/sep_sep11_0671.pdf)
- Smart salting schedule: <https://www.pca.state.mn.us/water/smart-salting-training-schedule>
- [https://www.pca.state.mn.us/sites/default/files/sep\\_sep11\\_0671.pdf](https://www.pca.state.mn.us/sites/default/files/sep_sep11_0671.pdf)
- Iowa DOT liquid spread pattern presentation from the 2020 Salt Symposium: <https://fortinconsulting.com/wp-content/uploads/2020/09/Rob-Florio-Jeff-Vandersaag-Winter-Maintenance.pdf>
- 2020 Salt Symposium presentations: <https://fortinconsulting.com/salt-symposium-2020-presentations/>



### 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 see if these efforts are resulting in a discernable impact on chloride loading within the instream water quality data collected by DRSCW from 2009 to present. The analysis is challenging. There are many factors that affect the resulting water quality data, including variability in winter weather over the years (temperatures, precipitation, number of storms, types of storms), inconsistency in municipal salt application events across the DRSCW's watershed areas, and inconsistency in the way events are defined and tracked by municipalities. The variability inherent in winter weather conditions, municipal application practices and record keeping does not allow the loading data to show the effect of reduction practices without accounting for it in some way. Additionally, the assumption that reductions in public or institutional use (the main recipients of training) will automatically translate into lowering of ambient chloride loading needs to be proven.

Our approach consists of using direct chloride sampling and analysis concentration data, along with adjusted specific conductivity concentration data collected by the DRSCW, and USGS flow data to calculate loading (in pound per day) of chloride for each DRSCW watershed over the past decade. This created loading data. The methodology then required that the loading data be adjusted or normalized to account for variabilities in winter weather and salt application events. The team examined several different weather datasets to try and overlay the loading data but none proved adequate. In early 2021, the DRSCW signed a contract with Weather Command / Murray and Trettel, Inc. for 10 years of detailed data.

The weather data is being analyzed by individual watershed and separately for summer and winter periods each year. The hope is that once adjusted for variabilities, the loading data will better show the effect of the program's salt use reduction training and best management practices implementation by municipalities on water quality.

As of the time of this report, the data has been organized by watershed and season, and water quality loadings have been calculated for the study period. Detailed weather and precipitation data is being reviewed to develop a method for accounting for the variability in temperatures and precipitation, municipal salt application events, and the way salt application events are defined and tracked. Adjustments will be performed using those methods, and the resulting loading trends will be presented in a future report. This analysis may provide an indication of the effectiveness of the Workgroup's chloride education and reduction efforts.

#### *Ambient Winter Chloride Monitoring*

Ambient monitoring of winter conductivity was carried out at 6 locations in the program area in 2019-2020 (4 sites monitored by the DRSCW and 2 sites monitored by MWRD). Conductivity is used to calculate chloride concentrations based on a relationship established by the DRSCW in 2007 and 2019 (so the data is referred to as calculated). Calculated Annual chloride concentrations for the winter months for the 6 sites are depicted in Figure 1-3 and depicted in Map 1.

Figure 1. Calculated annual chloride concentrations - winter months (2007-2020) for Salt Creek at Wolf Road (top panel) and Salt Creek at Busse Woods Main dam (bottom panel).

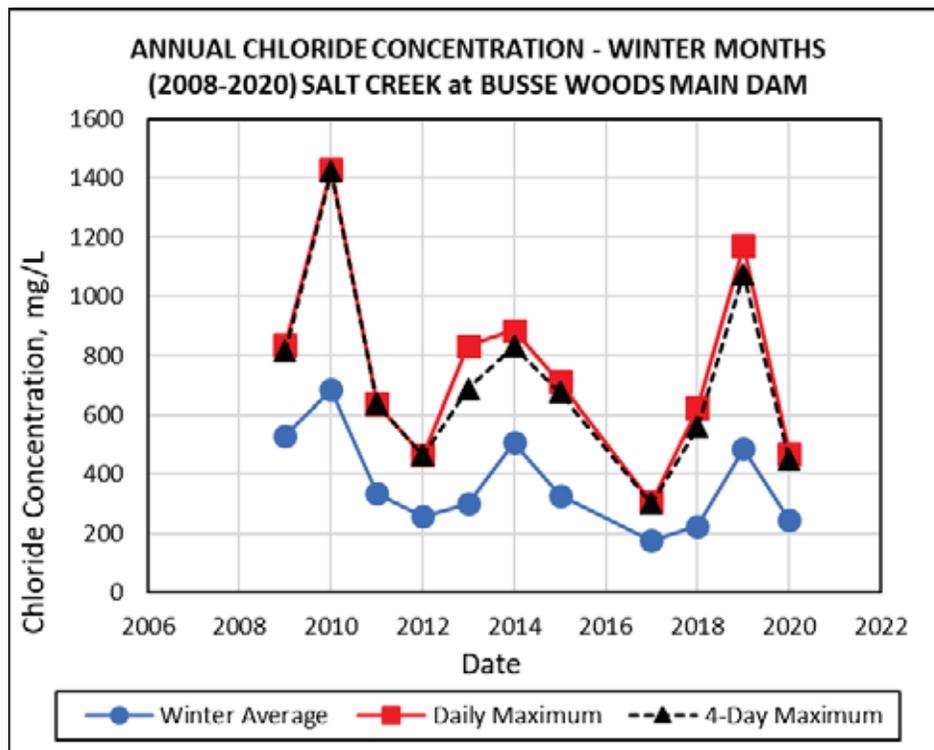
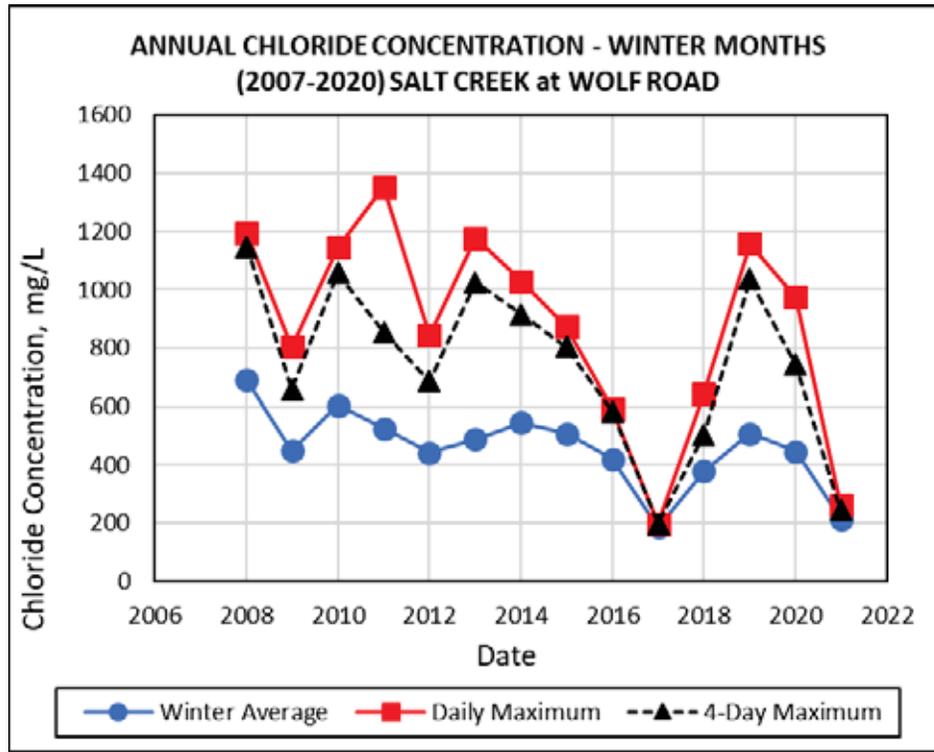


Figure 2. Calculated annual calculated chloride concentrations - winter months (2008-2020) for East Branch at Hobson Road (top panel) and East Branch at Army Trail Road (bottom panel).

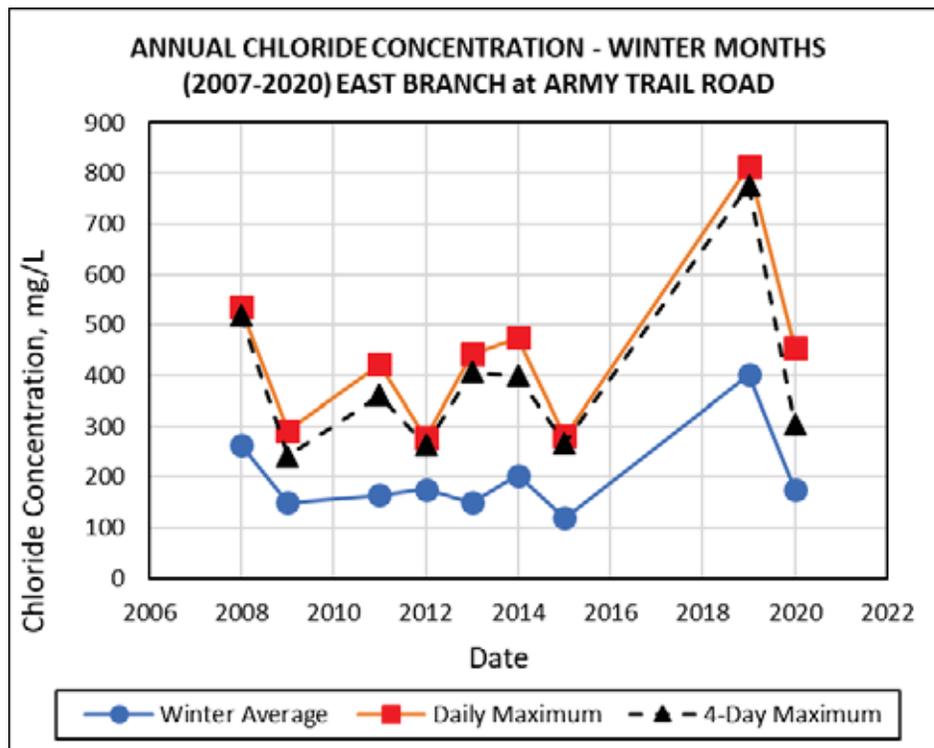
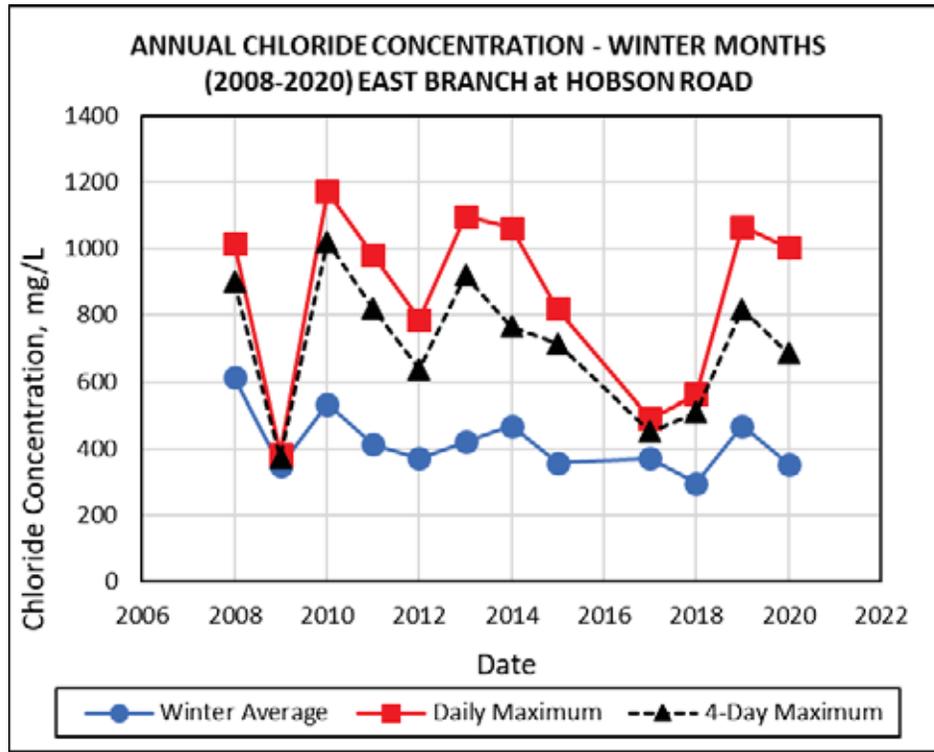
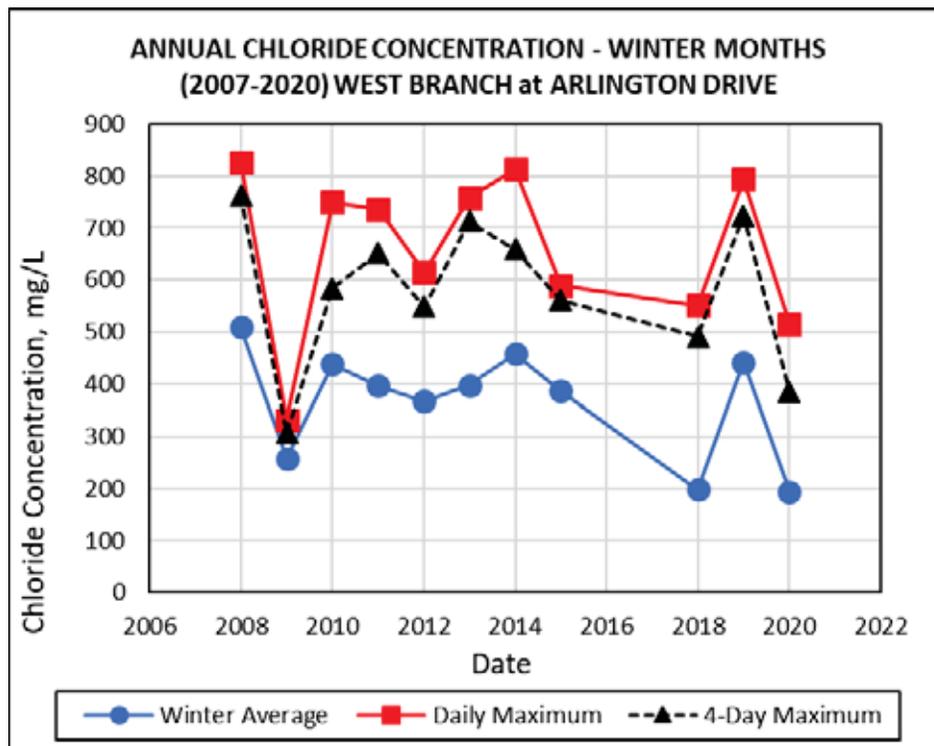
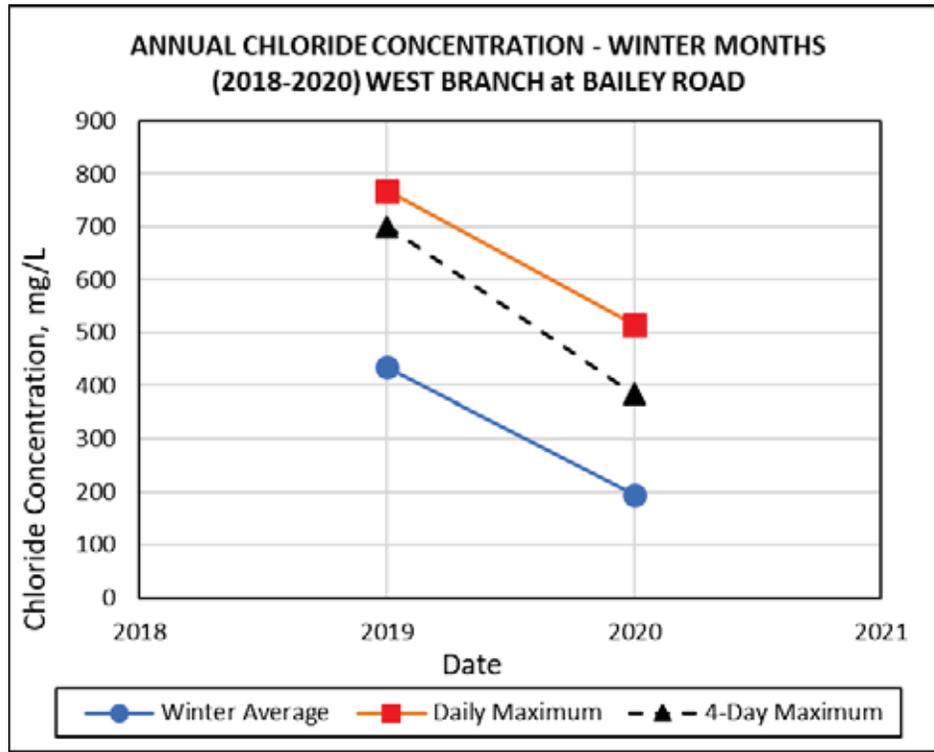


Figure 3. Calculated annual chloride concentrations - winter months (2018-2020) for West Branch at Bailey Road (top panel) and West Branch at Arlington Road (bottom panel).



### 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 two components: 1) Bioassessment and 2) DO monitoring.

#### 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 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

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

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

The data collected as part of the bioassessment is processed, evaluated, and synthesized as a biological and water quality assessment of aquatic life use status. The assessments are directly comparable to previously conducted bioassessments such that trends in status can be examined and causes and sources of impairment can be confirmed, amended, or removed. A final report containing a summary of major findings and recommendations for future monitoring, follow-up investigations, and any immediate actions that are needed to resolve readily diagnosed impairments is prepared following each bioassessment. The bioassessment reports are posted on the DRSCW 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 exert 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 (2016)	Reference Sites (2006-2020)	Total Sites
Biological sampling					
Fish	42	41	51	13	147
Macroinvertebrates	42	41	51	13	147
QHEI	42	41	51	13	147
Water Column Chemical/Physical Sampling					
Nutrients*	42	38	51	6	136
Water Quality Metals	30	38	51	6	136
Water Quality Organics	18	11	16	6	51
Sediment Sampling	23	15	16	6	60

\*Also included indicators of organic enrichment and ionic strength, total suspended solids (TSS), DO, pH and temperature. Also, in 2019 and 2020, 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 the West Branch DuPage River including the 2020 data and macroinvertebrate sampling for the sampling conducted in 2019 in the East Branch DuPage River. A map of the 2019 East Branch DuPage River bioassessment sites can be found in Map 2 and a map of the 2020 West Branch DuPage River sampling sites can be found in Map 3. 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 Salt Creek can be found in the 2018 and 2019 DRSCW MS4 Activities Report.

The fish and macroinvertebrate results are presented as Index of Biotic Integrity (IBI) scores. IBI is an evaluation of a waterbodies 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.

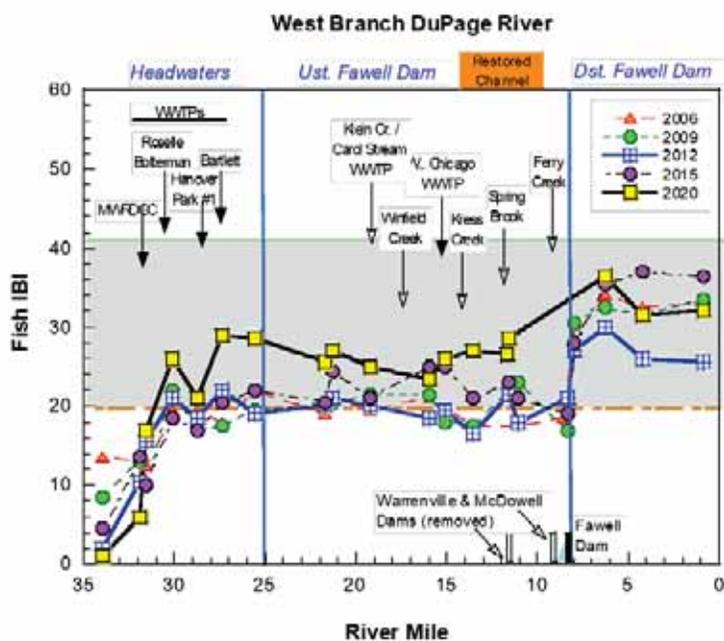
Samples from each site were processed by enumerating and recording weights by species and by life stage (y-o-y, juvenile, and adult). All captured fish were immediately placed in a live well, bucket, or live net for processing. Water was replaced and/or aerated regularly to maintain adequate D.O. levels 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.

### **Results**

#### ***West Branch DuPage River***

Fish assemblage conditions throughout the West Branch DuPage River watershed a in the poor and fair ranges (Figure 4).

Figure 4. Fish IBI scores in the West Branch DuPage River, 2009, 2012, 2015, and 2020 relation to municipal POTW dischargers and tributaries.



Bars along the x-axis depict mainstem dams or weirs (only black bars impede fish passage).  
The shaded area demarcates the “fair” narrative range.

## 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.

### Results

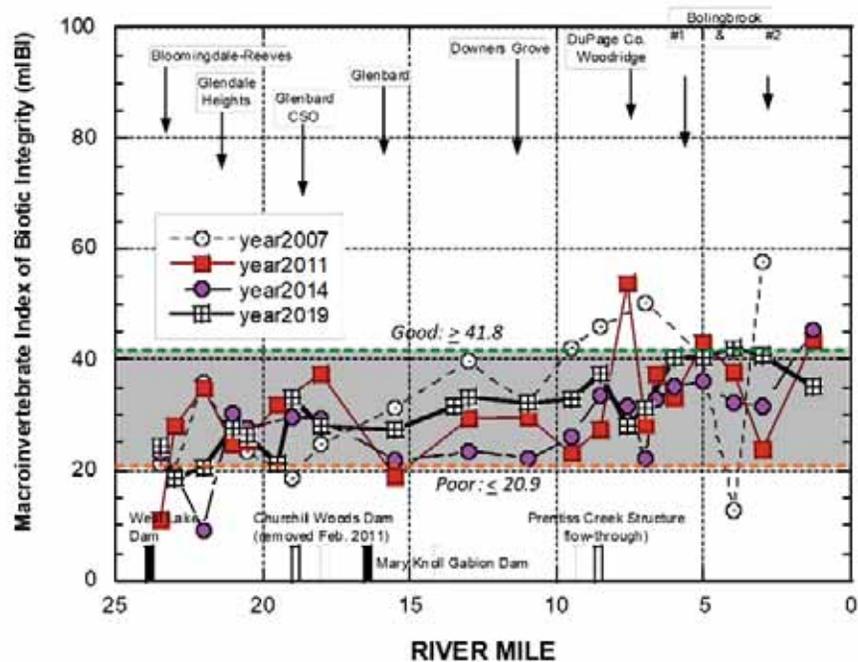
#### *East Branch DuPage River*

Macroinvertebrate collections from the 2019 East Branch are primarily in the fair ranges (Figure 5).

#### *West Branch DuPage River*

Macroinvertebrate collections from the 2020 West Branch are still pending and will be provided in the 2020 DRSCW MS4 Activities Report.

Figure 5. Macroinvertebrate IBI scores in the East Branch DuPage River, 2007, 2011, 2014, and 2019 relation to municipal POTW dischargers.



Bars along the x-axis depict mainstem dams or weirs (only black bars impede fish passage). The shaded area demarcates the "fair" narrative range.

## 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.

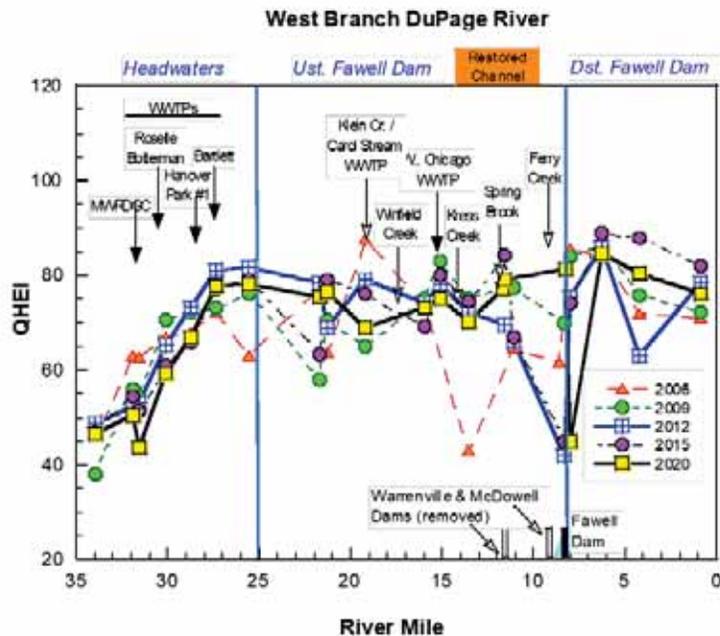
### Results

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.

## West Branch DuPage River

Based on QHEI scores, mainstem habitat quality fell mostly in the good ranges, but varied by location (Figure 6).

**Figure 6.** Qualitative Habitat Evaluation Index (QHEI) scores for the West Branch DuPage River in 2009, 2012, 2015, and 2020 in relation to municipal WWTP discharges and tributaries.



Bars along the x-axis depict mainstem dams or weirs (black bars are dams that impede fish passage).

## WATER QUALITY CHEMISTRY

### Methodology

Water column and sediment samples are collected as part of the DRSCW bioassessment programs. The total number of sites sampled is detailed in Table 2. Total number of collected samples by watershed typical for a full assessment by watershed are given in Table 3. 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 4). Organics sampling is a single sample done at a subset of sites. Sediment sampling is done at a subset of 60 sites using the same procedures as IEPA.

The parameters sampled for are included in Table 5 and can be grouped into demand parameters, nutrients, demand, metals and organics. All sampling occurs between June 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 3. 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 (2016)	51	280	280	149	16
West Branch DR (2020)	42	225	225	116	18
East Branch DR (2019)	38	212	212	100	11

*Table 4. 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

### 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 DuPage River*

In 2020, samples for fecal coliform samples were collected at four (4) sites on the mainstem West Branch DuPage River and two (2) sites on Spring Brook #1. Each site was sampled 5 times within a 30-day period beginning on September 29, 2020. The results are summarized below in Table 6.

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 7-9).

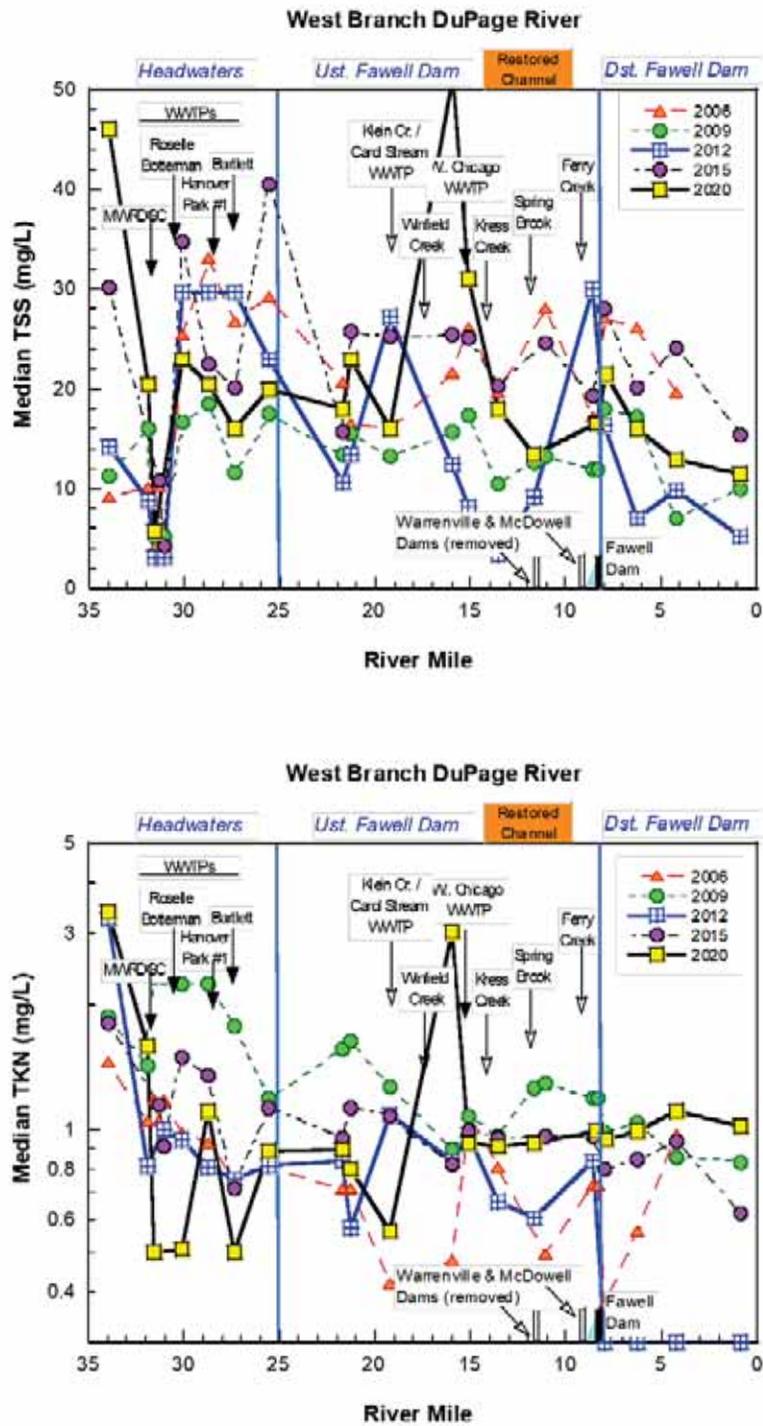
*Table 5. Water Quality and sediment Parameters sampled as part of the DRSCW Bioassessment Program.*

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

*Table 6. Concentrations of Fecal Coliform in 2020 in the West Branch DuPage River watershed.*

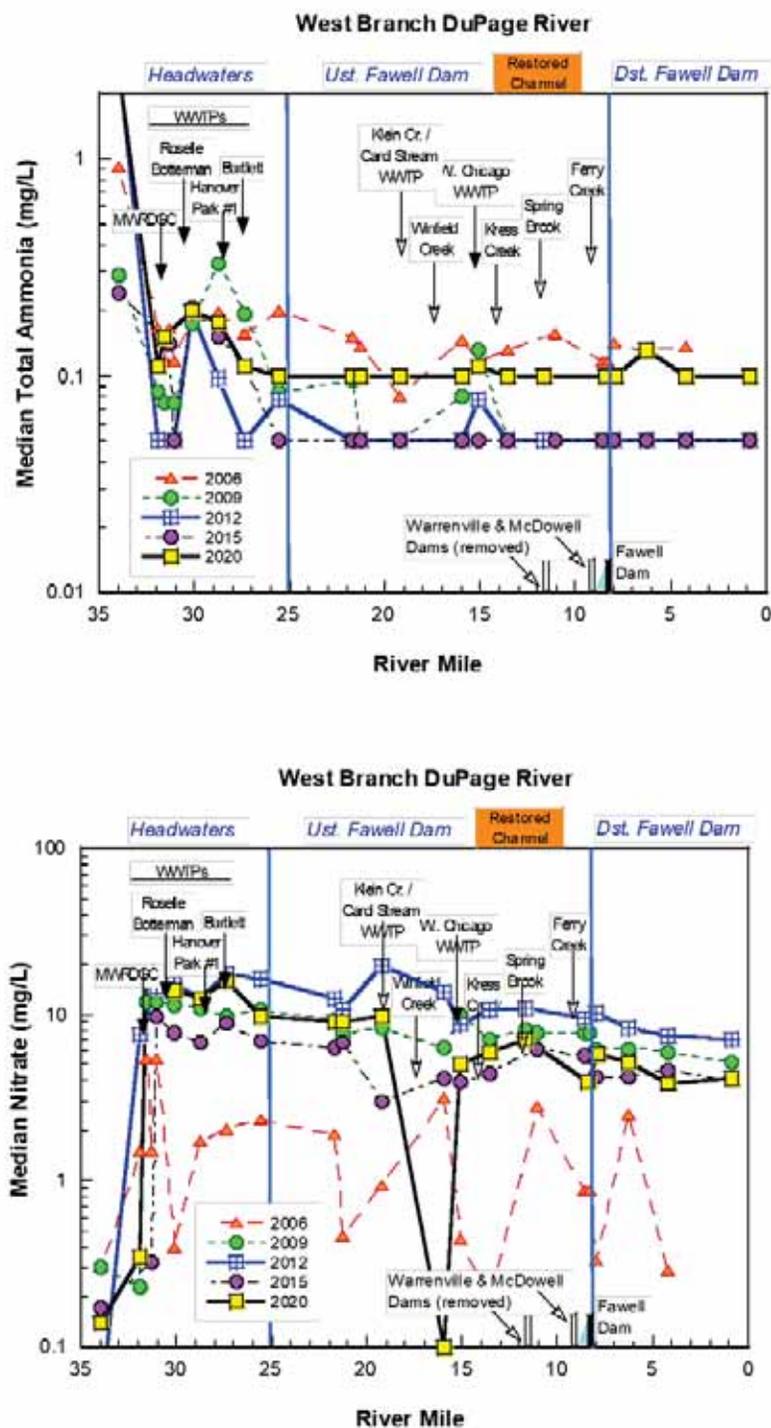
Site Number	Site Description	Fecal Coliform (cfu/100mL)					Mean Fecal Coliform (cfu/100mL)
		9/29/2020	10/1/2020	10/5/2020	10/12/2020	10/15/2020	
<b>West Branch DuPage River</b>							
WB20	West Branch DuPage River, Downstream of Struckman Boulevard	150.00	<50	50.00	<50	50.00	72.11
WB17	West Branch DuPage River, 1600' upstream from Geneva Rd. within Prairie Path Meadows	50.00	<50	<50	<50	<50	50
WB41	West Branch DuPage River, Upstream from Ogden Ave.; downstream from Fawell Dam	50.00	<50	<50	<50	<50	50
WB08	West Branch DuPage River, At Knoch Knolls Park	50.00	<50	<50	<50	<50	50
<b>Spring Brook #1</b>							
WB11	Spring Brook #1, Upstream of 2nd Bridge in Wheaton Sanitary District (WSD): upstream WSD discharge	<50	<50	<50	<50	<50	ND
WB28	Spring Brook #1, 700 feet Downstream of WSD discharge	<50	<50	5.00	<50	<50	5

Figure 7. Median concentrations of total suspended solids (top panel) and TKN (lower panel) from West Branch DuPage River samples in 2009, 2012, 2015, and 2020 in relation to municipal WWTP discharges.



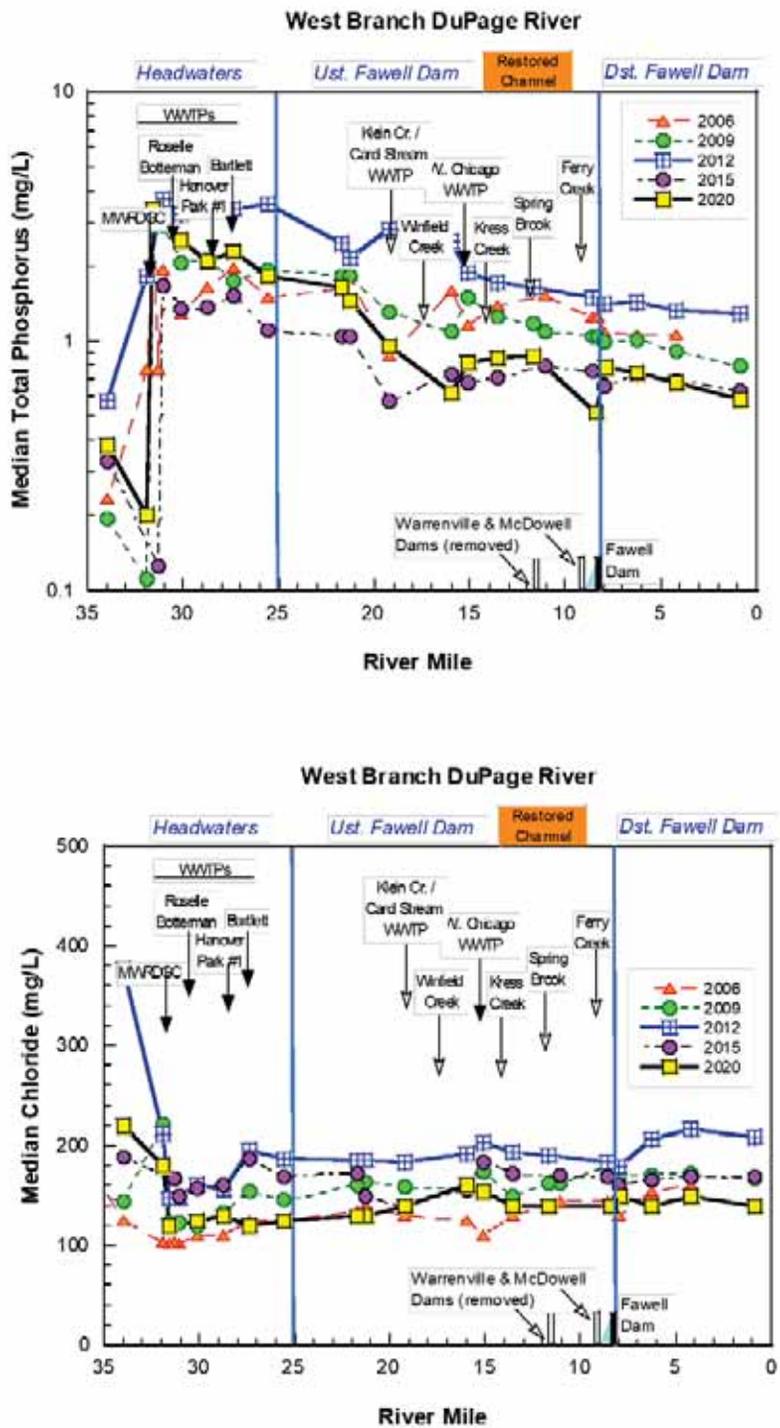
Bars along the x-axis depict mainstem dams or weirs (black bars are dams that impede fish passage).

Figure 8. Median concentrations of ammonia-N (top panel) and nitrate+nitrite-N (lower panel) from West Branch DuPage River samples in 2009, 2012, 2015, and 2020 in relation to municipal WWTP discharges and tributaries.



Bars along the x-axis depict mainstem dams or weirs (only black bars for dams that impede fish passage).

Figure 9. Median concentrations total phosphorus (top panel) and chloride (bottom panel) from West Branch DuPage River samples in 2009, 2012, 2015, and 2020 in relation to municipal WWTP discharges and tributaries.



Bars along the x-axis depict mainstem dams or weirs (black bars are dams that impede fish passage).

### Sediment Chemistry Results

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

### **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 TMDLs were prepared by the IEPA for Salt Creek and the East Branch of the DuPage River. 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.

Typically, the DRSCW continuous DO monitoring project includes four (4) sites on the West Branch DuPage River, four to five (4-5) sites of the East Branch DuPage River, and three to four (3-4) sites on Salt Creek. In 2020, an additional site was added on the West Branch DuPage River at Bailey Road in Naperville, Illinois. The DRSCW program began in 2006 and data has been collected each year since. Each site is equipped with a HydroLab DS 5X which collects data on DO, pH, conductivity and water temperature. Stations have a sample interval of one hour and collect data from June through to October (the seasonal period recognized as containing the lowest annual levels of stream DO). The continuous DO monitoring program functions under a quality assurance plan agreed on with the IEPA (<http://drscw.org/wp/dissolved-oxygen/>). Additionally, the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) maintains two sondes on Salt Creek (for a total of five (5) sites on Salt Creek. Details on the site location are included in Table 7 and site locations for 2020 are included on Map 4.

*Table 7. 2020 Continuous DO monitoring locations in the DRSCW watersheds.*

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 2020 is included in Figures 10-17.

Figure 10. Dissolved Oxygen plots for West Branch DuPage River sites at Arlington Drive (WBAD) (top panel) and Butterfield Road (WBBR) (lower panel).

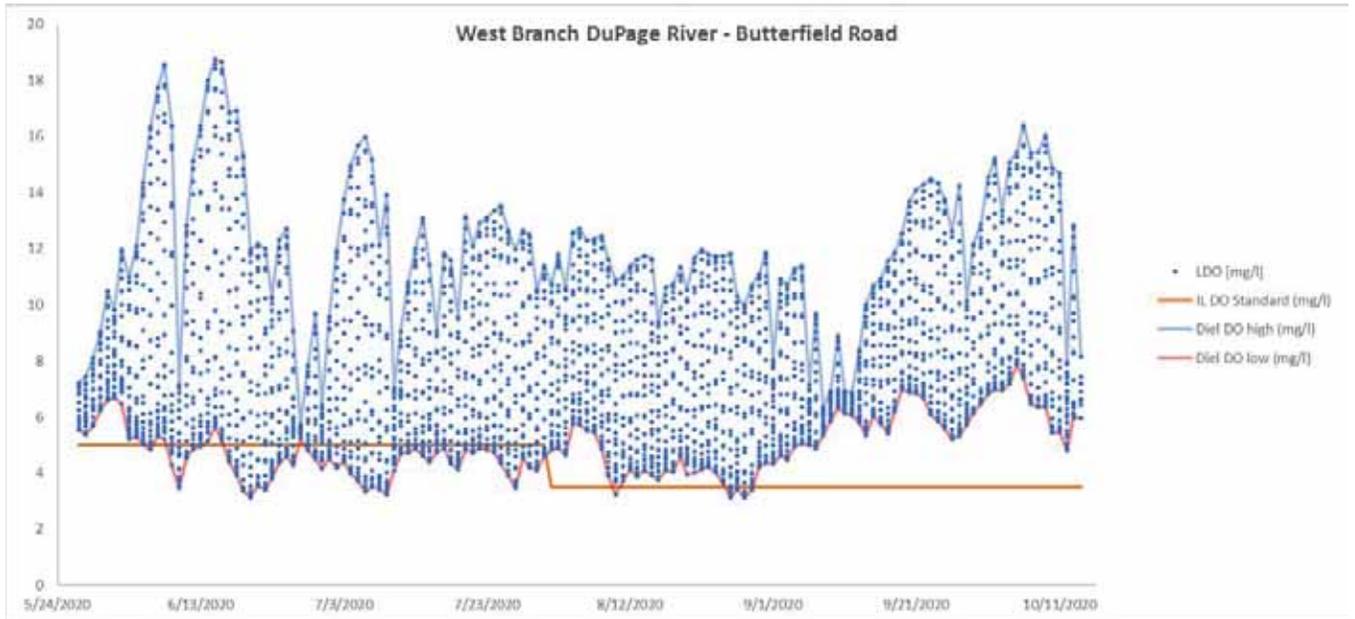
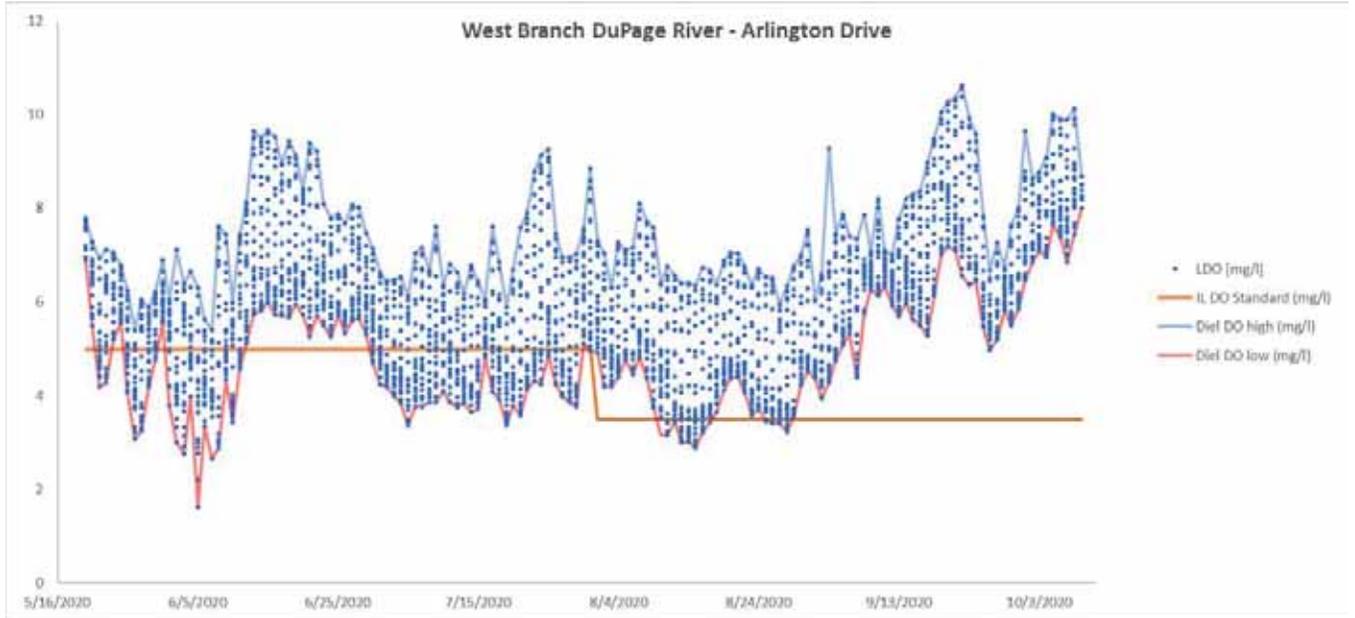


Figure 11. Dissolved Oxygen plots for West Branch DuPage River sites at Warrenville Grove (WBWD) (top panel) and McDowell Grove Forest Preserve (WBMG) (lower panel).

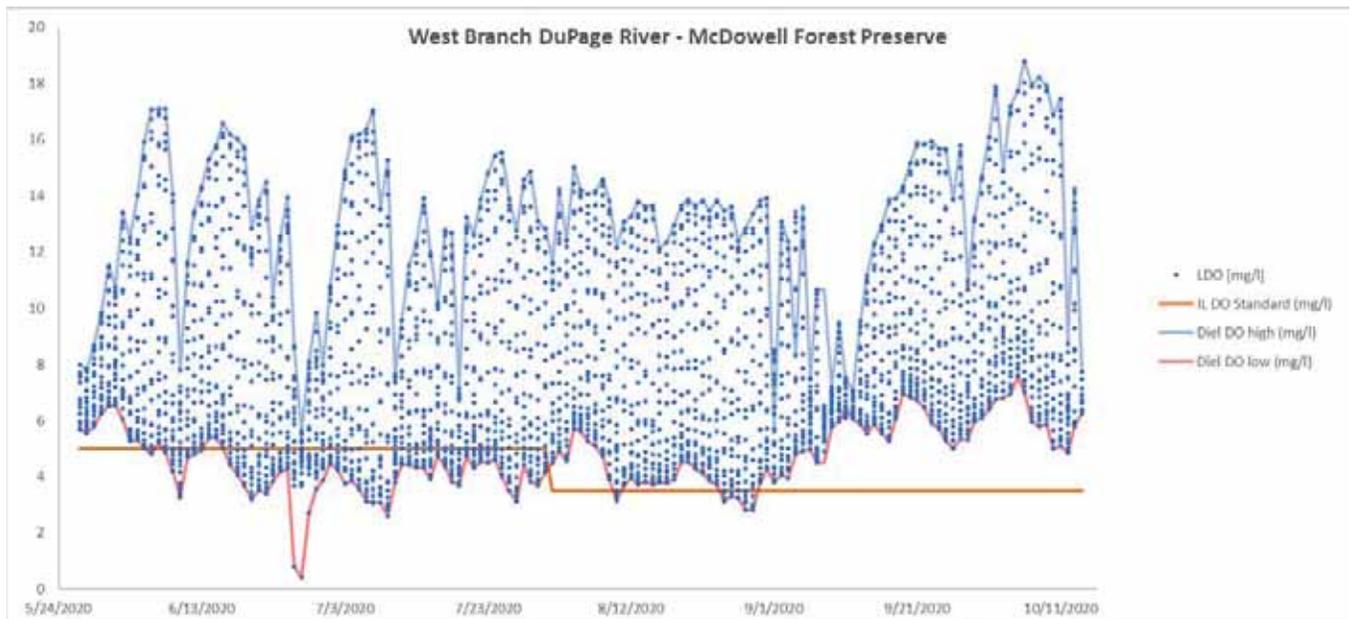
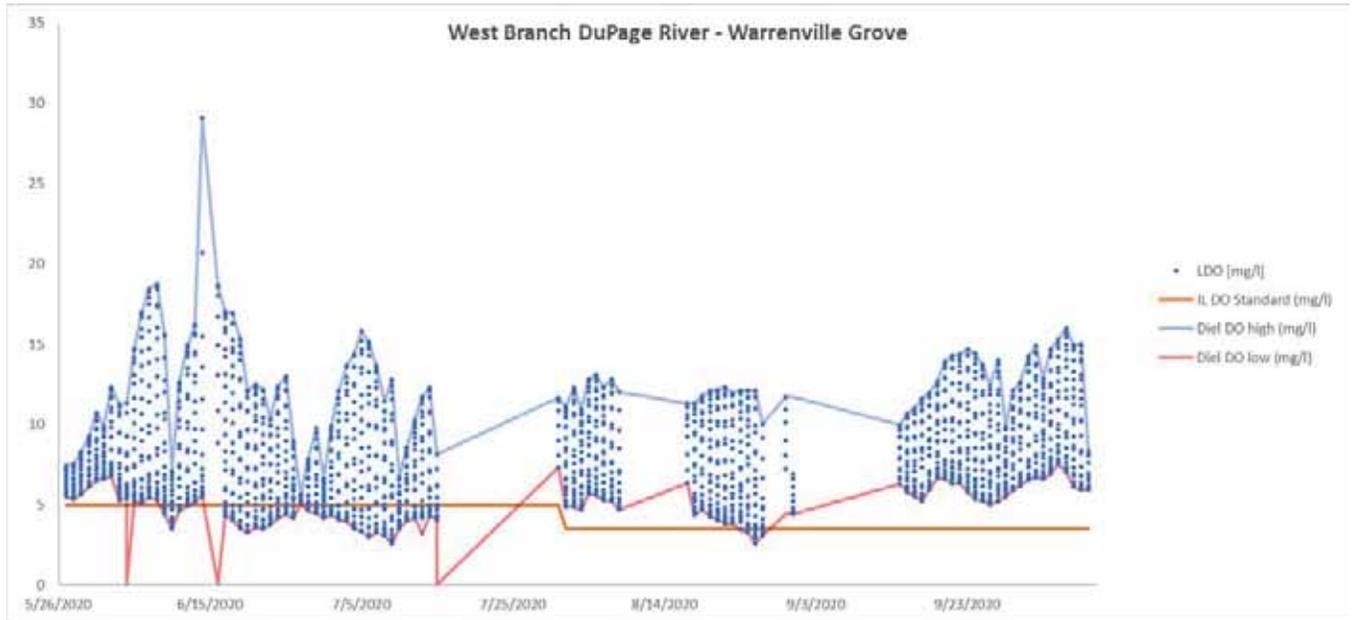


Figure 12. Dissolved Oxygen plots for West Branch DuPage River at Bailey Road in Naperville (WBNPV) (top panel) and East Branch DuPage River sites at Army Trail Road (EBAR) (lower panel).

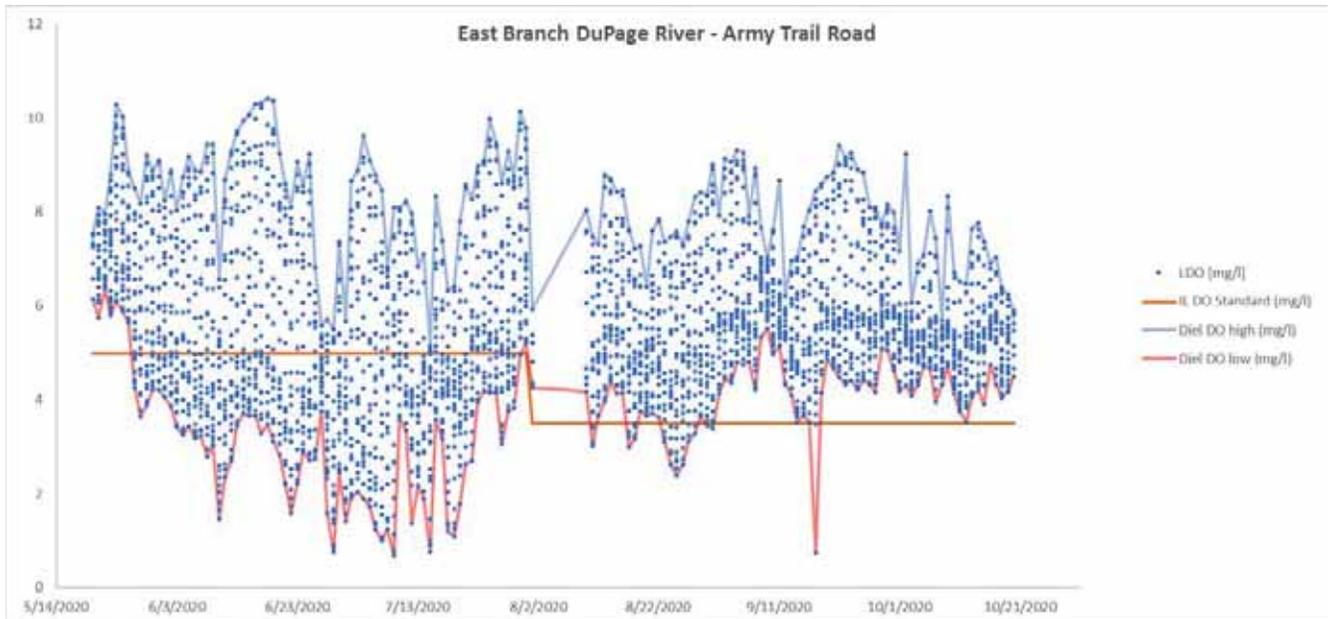
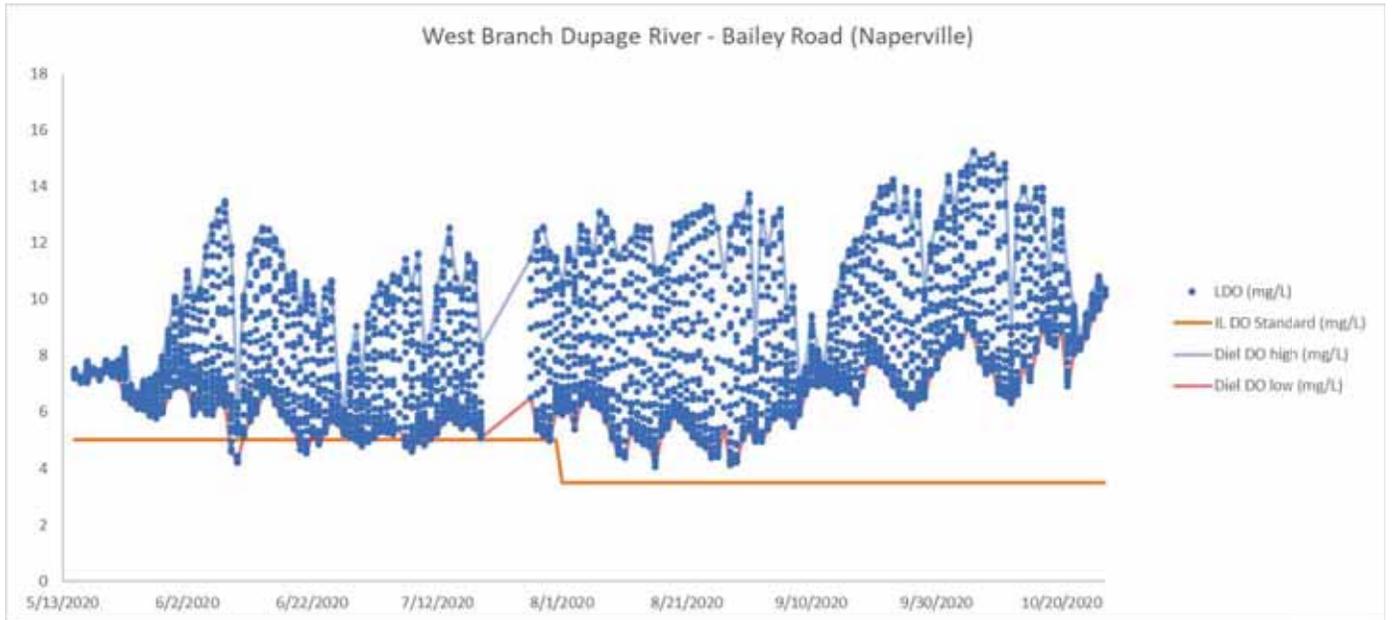


Figure 13. Dissolved Oxygen plots for East Branch DuPage River Crescent Boulevard (EBCB) (top panel) and East Branch DuPage River sites at Hidden Lake (EBHL) (lower panel).

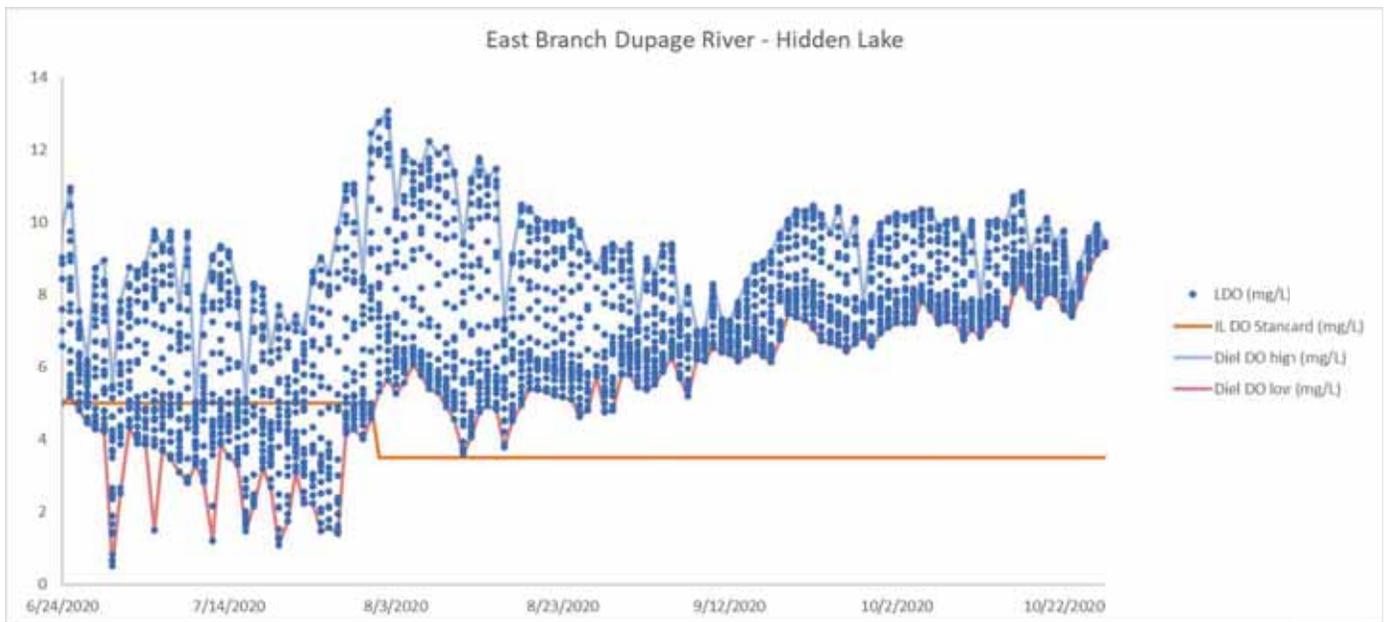
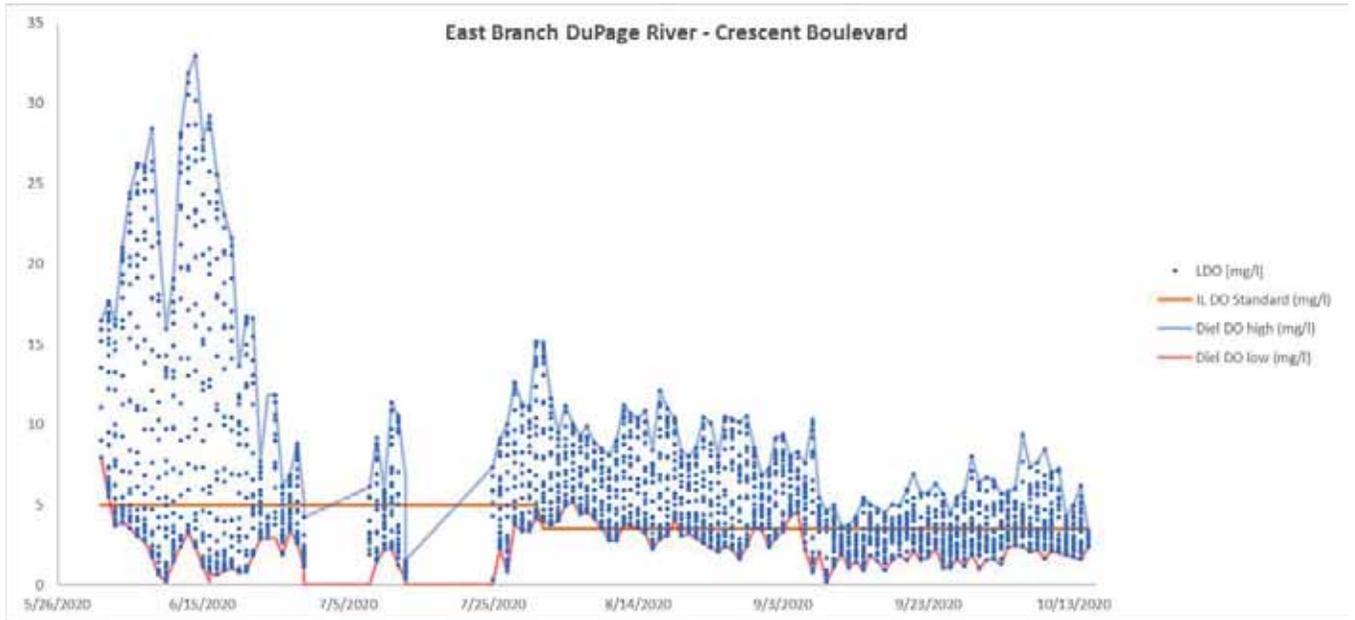


Figure 14. Dissolved Oxygen plot for East Branch site at Hobson Road (EBHR) (top panel) and Whalon Lake (EBWL) (bottom panel).

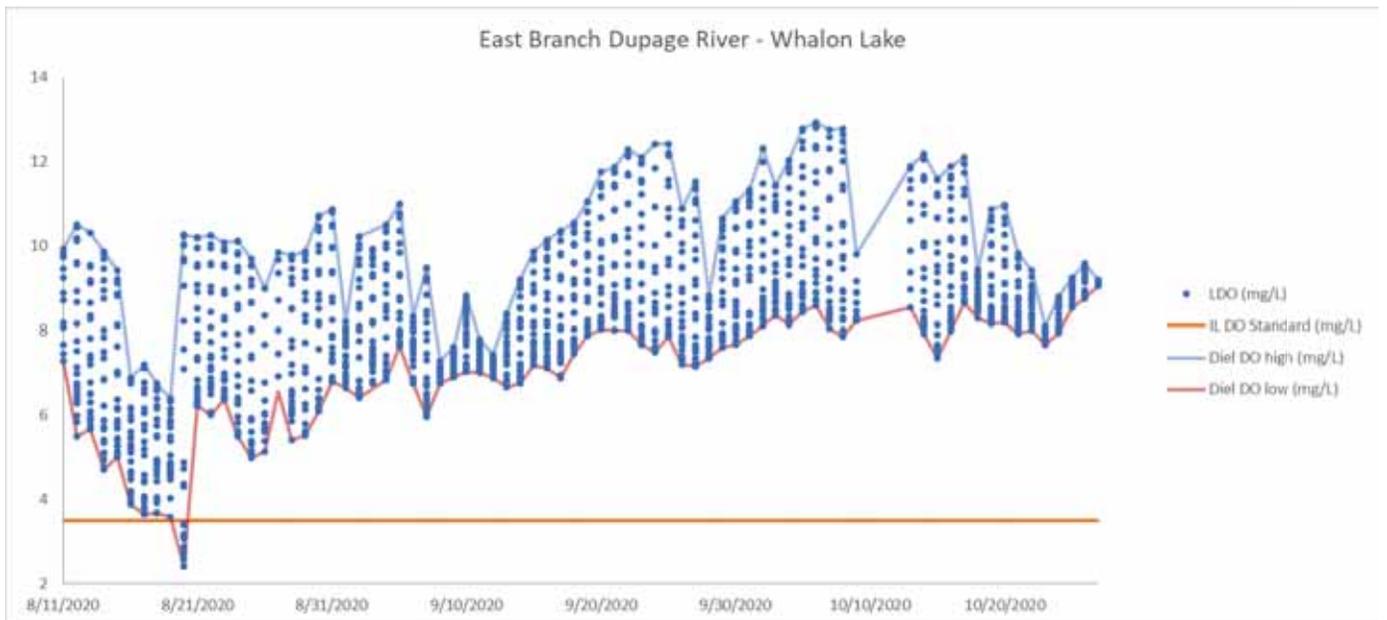
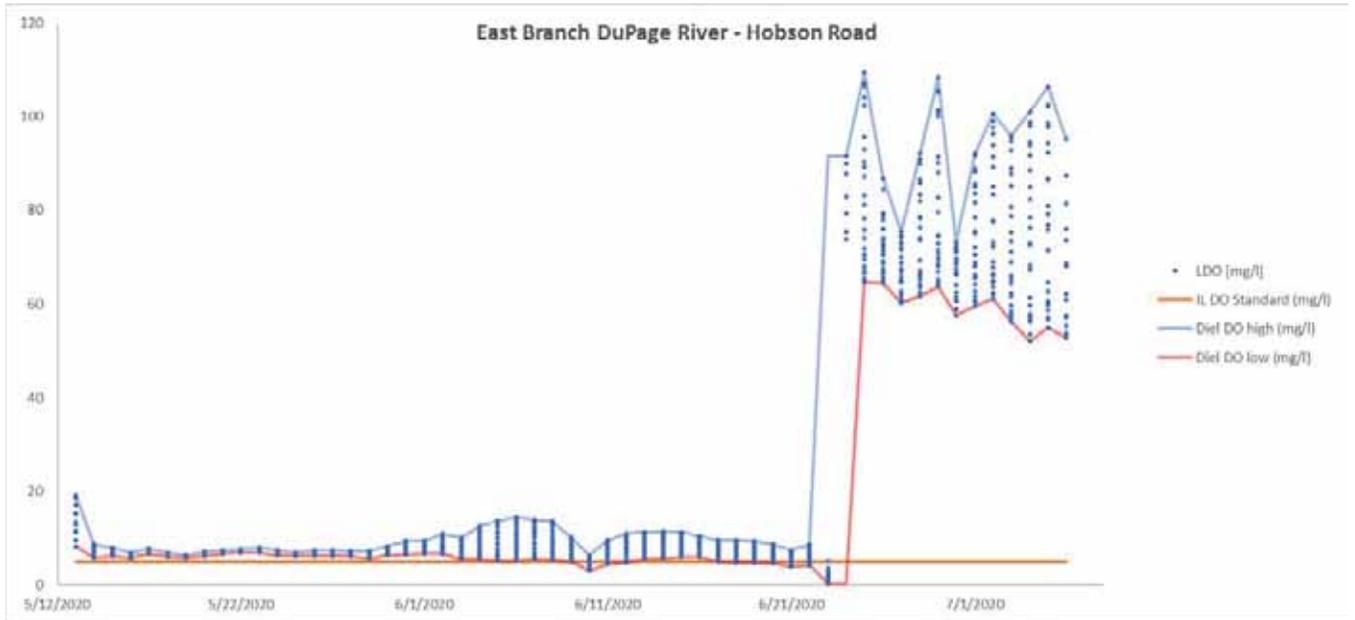


Figure 15. Dissolved Oxygen plots for Salt Creek site at Busse Woods (SCBW) (top panel) and Salt Creek sites at Oak Meadows (SCOM) (bottom panel).

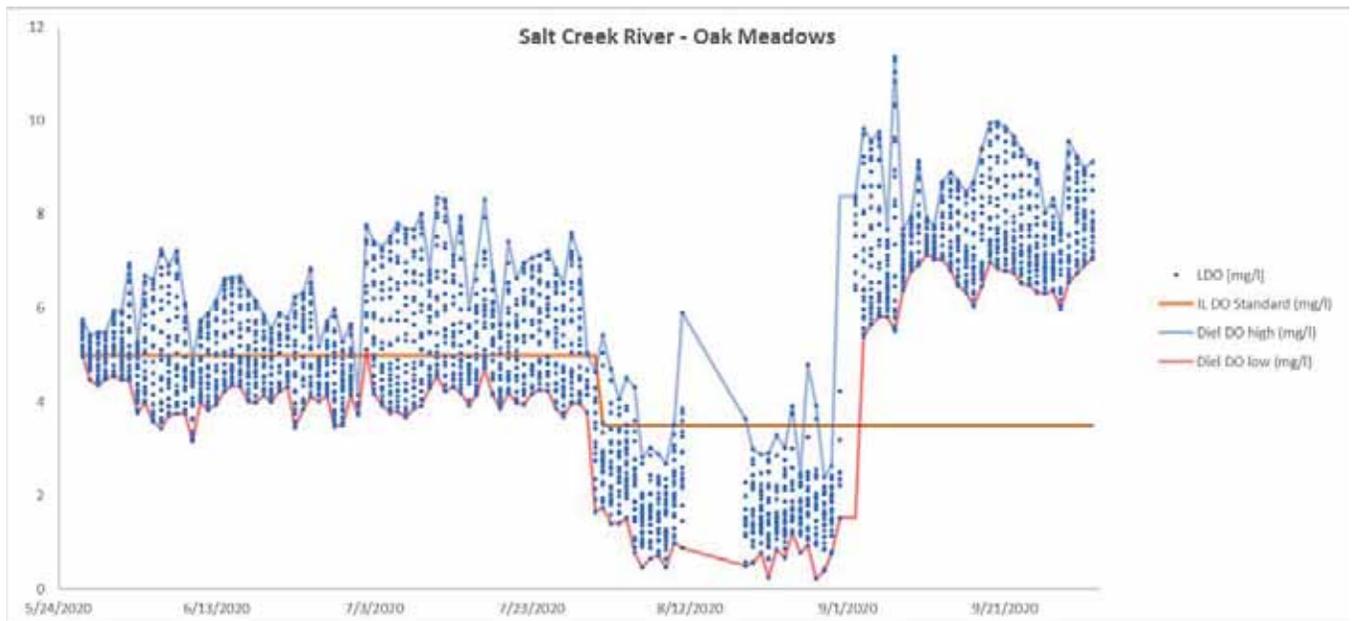
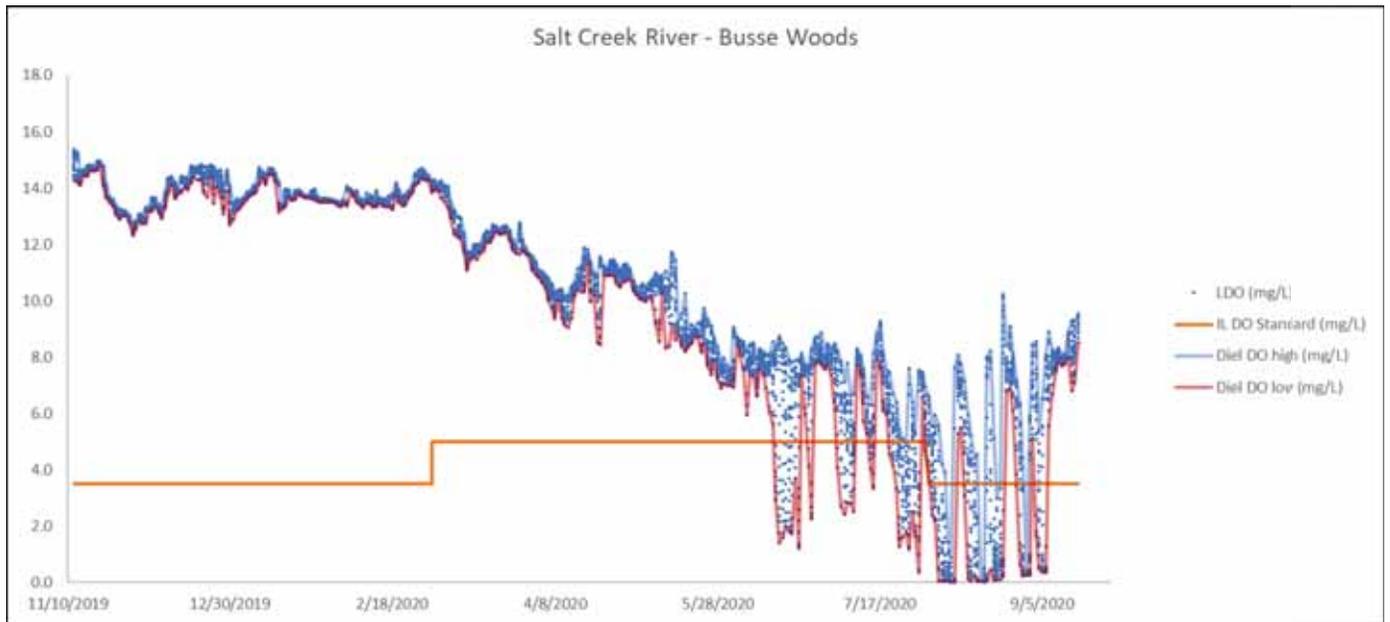


Figure 16. Dissolved Oxygen plots for and Butterflied Road (SCBR) (top panel) and Salt Creek sites at Fullersburg Woods (SBFW) (bottom panel).

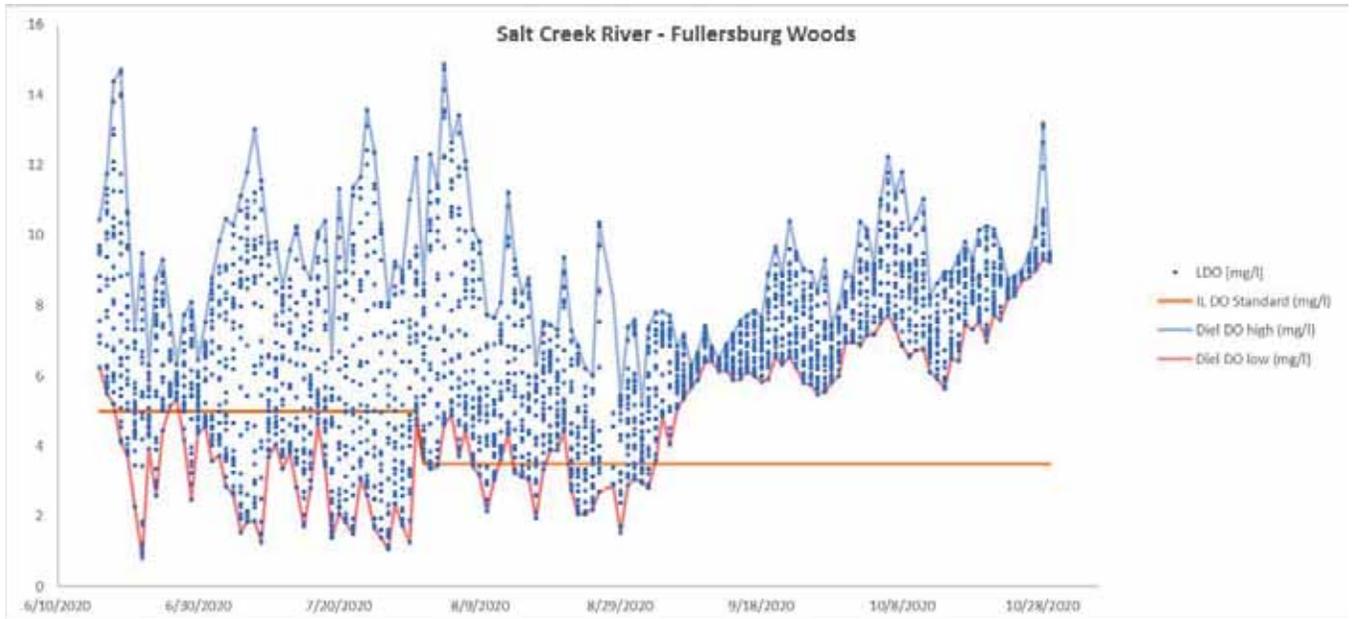
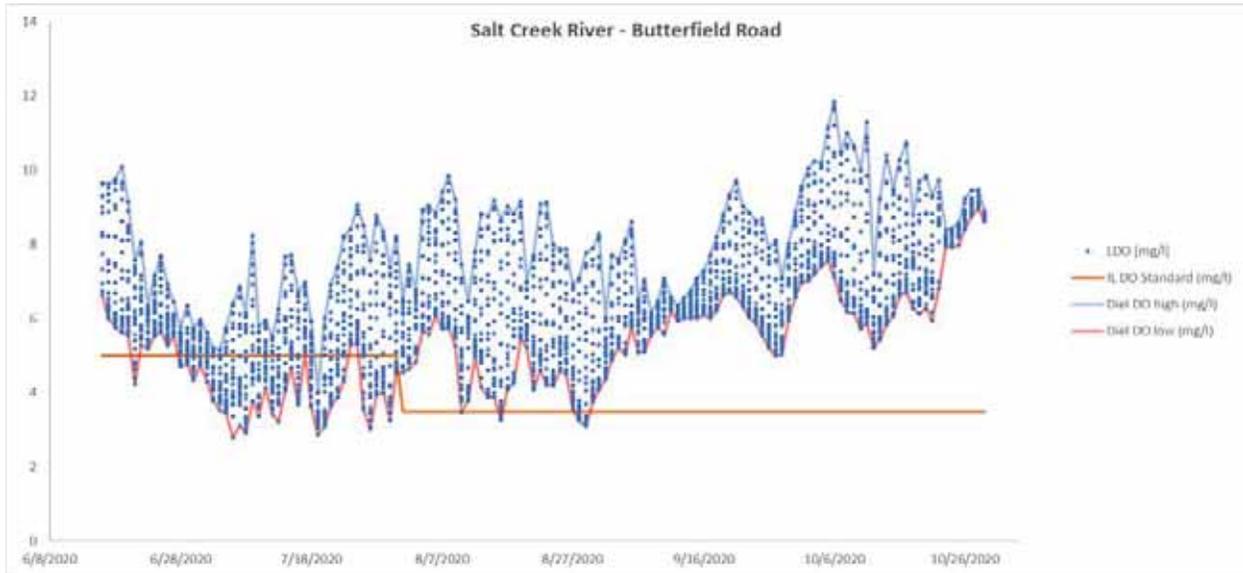
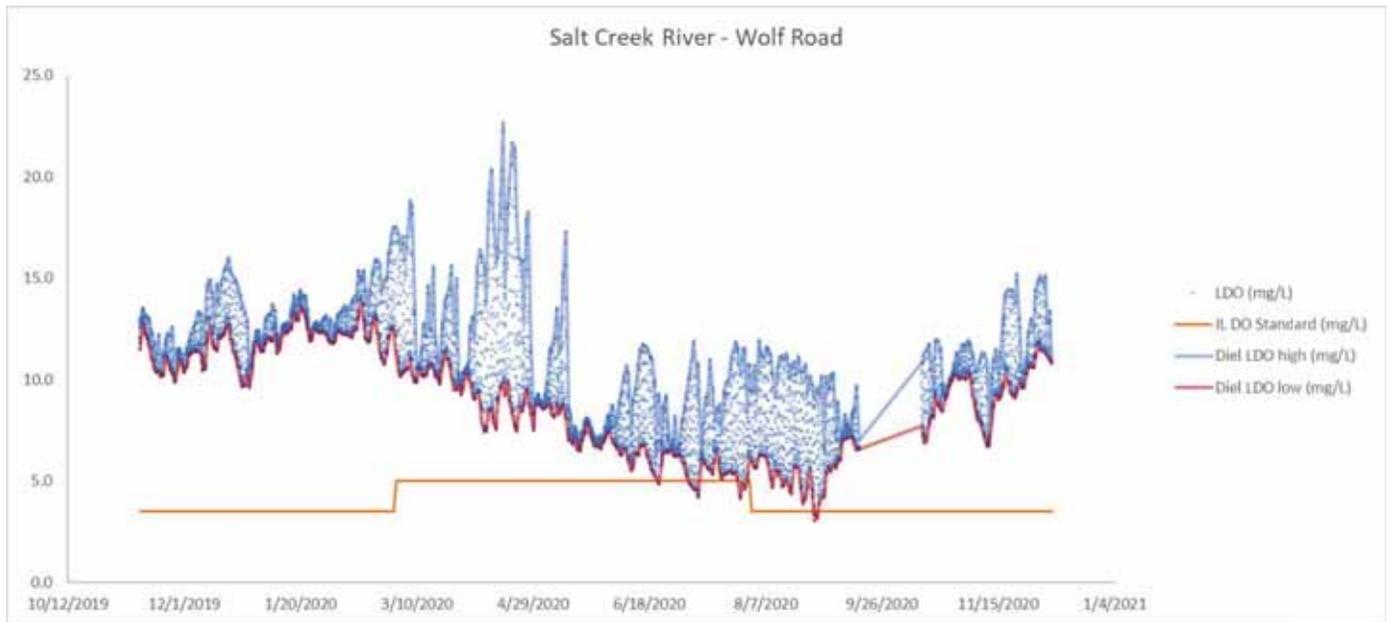


Figure 17. Dissolved Oxygen plots for Wolf Road (SCWR).



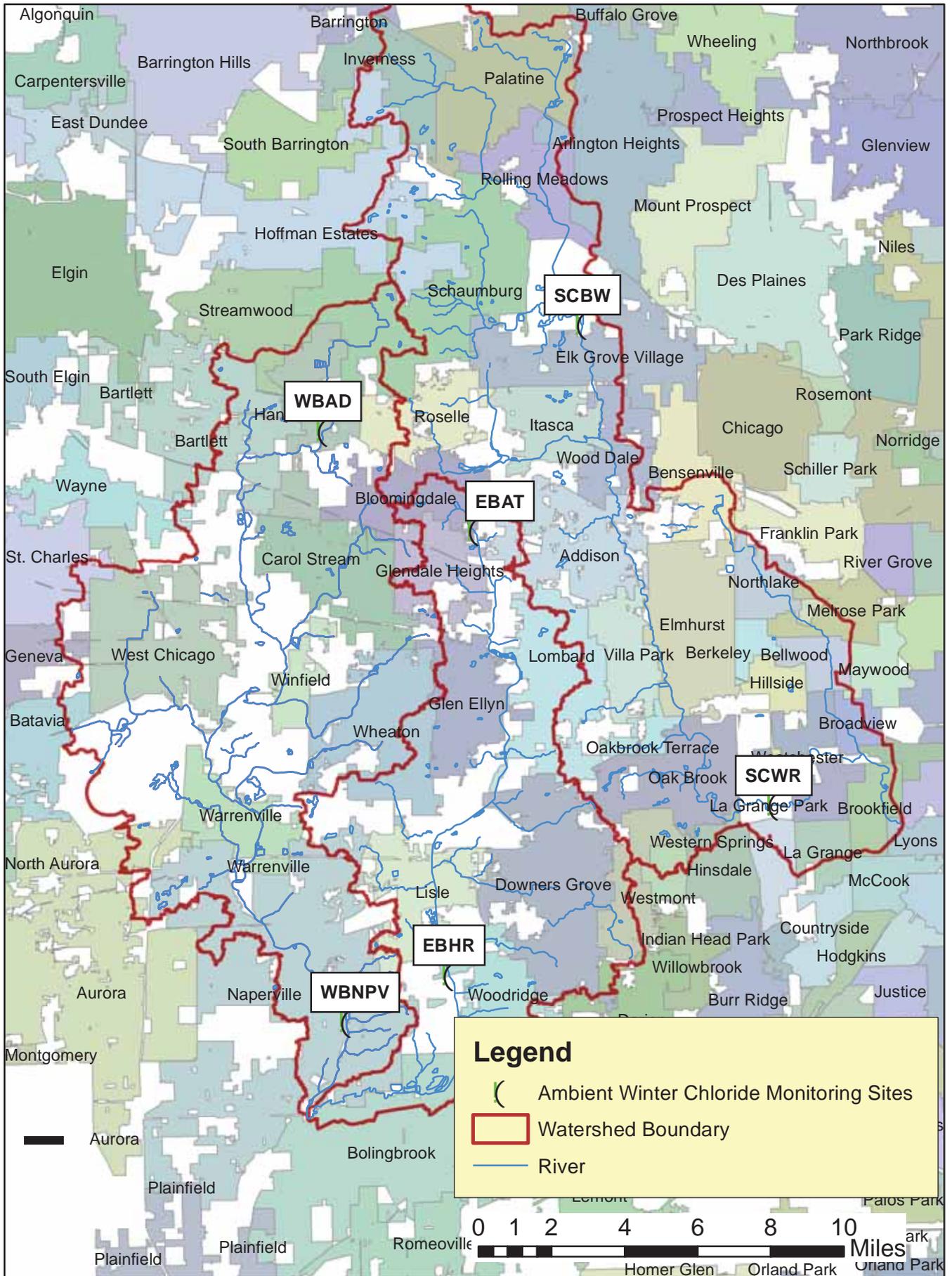
## B. Recordkeeping

All monitoring data including but not limited to laboratory results, chain of custody (COCs), and quality assurance protection plans (QAPP) will be maintained by the DRSCW for a minimum of 5 years after the expiration of the ILR40 (effective on 03/01/2016). The records are maintained at the DRSCW office located at The Conservation Foundation, 10S404 Knock Knolls Road, Naperville, Illinois 60656 and are accessible to the IEPA for review.

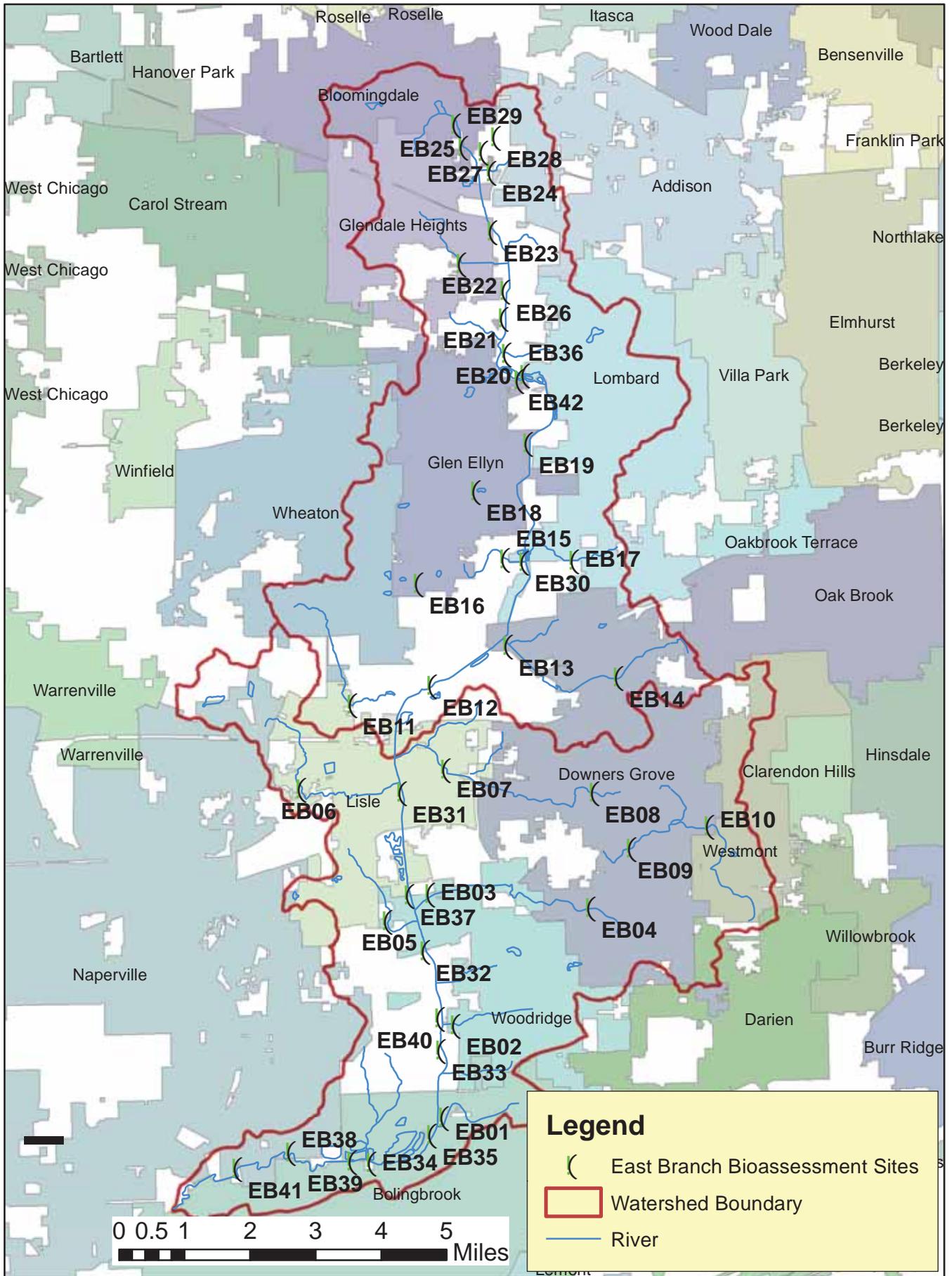
## C. Reporting

The DRSCW is not responsible for preparing and submitting an Annual Report to the IEPA by the first day of June for each year that the permit is in effect. It is the responsibility of the individual ILR40 permit holders to utilize the information provided in this report to fulfill the reporting requirements outlined in the permit.

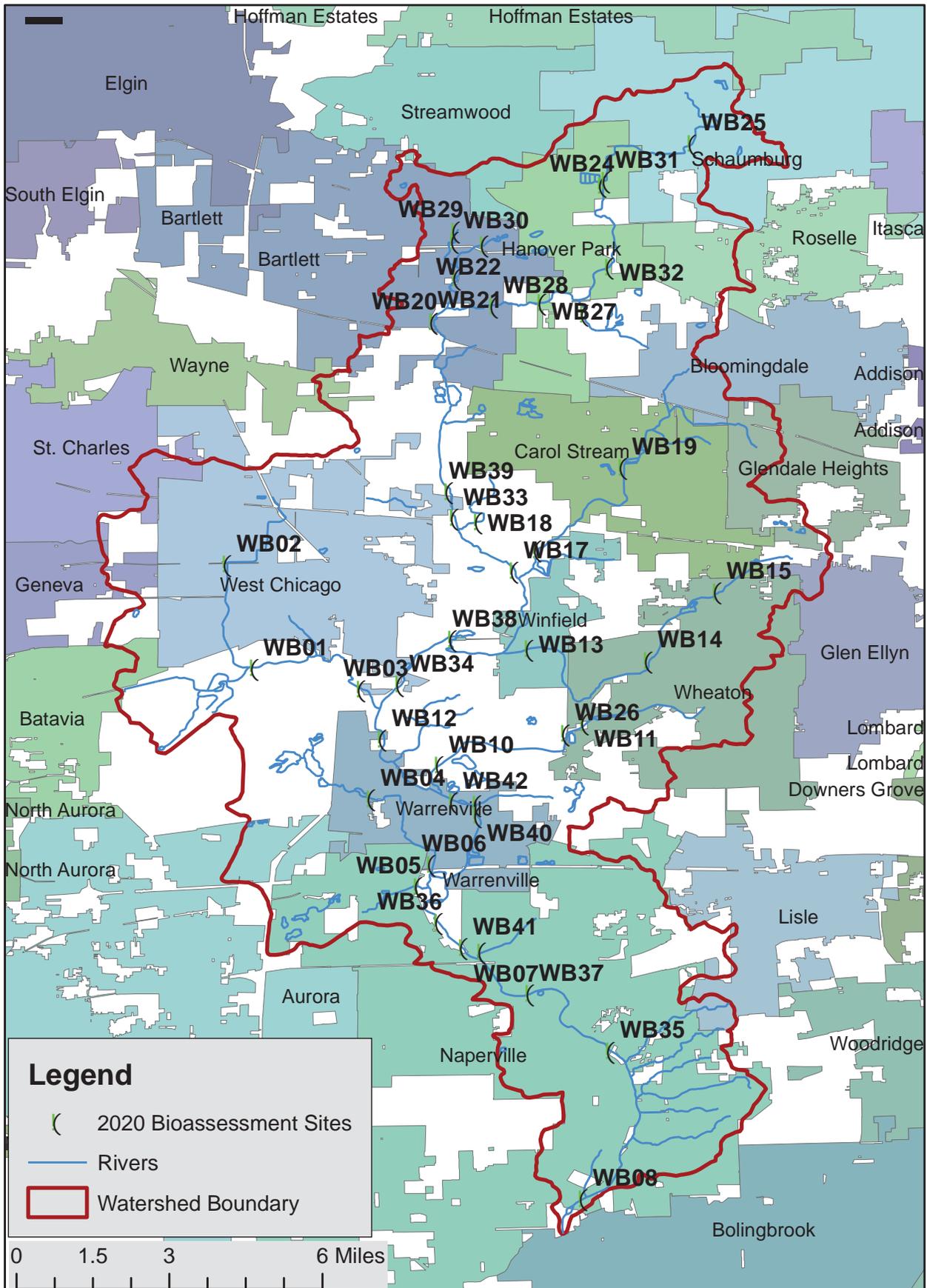
# Maps



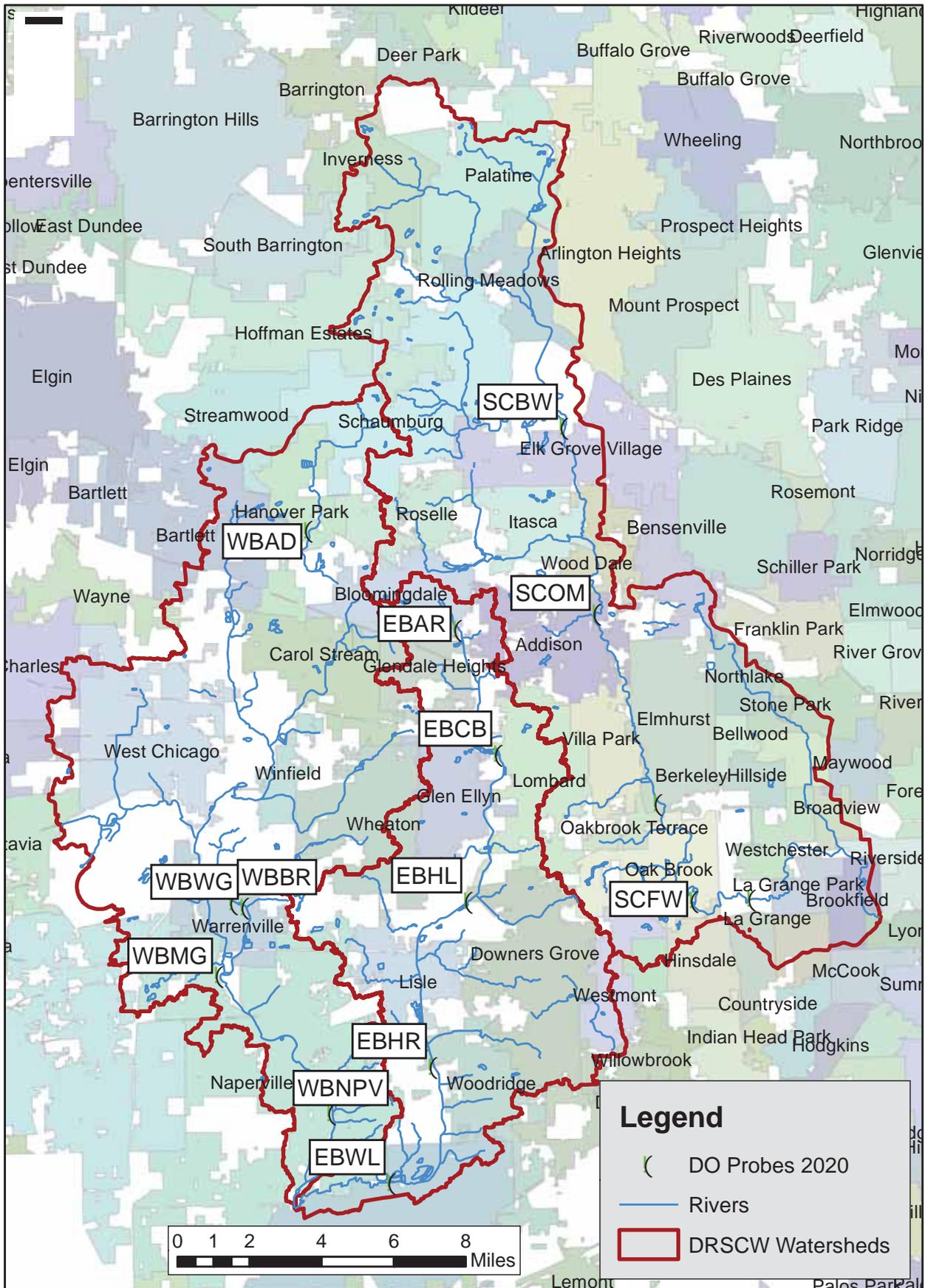
**Map 1.** 2019-2020 Ambient Winter Chloride Monitoring Sites.



**Map 2.** 2019 East Branch DuPage River Bioassessment Sites.



**Map 3.** 2020 West Branch DuPage River Bioassessment Sites.



Map 4. 2020 Continuous Dissolved Oxygen Monitoring Sites.

# Attachment A

2020 Winter De-Icing Workshop Attendees  
By Agency

**2020 Deicing Workshop Webinars**

	<b>County</b>	<b>Agency</b>
October 14 Public Roads	Will	City of Crest Hill
October 14 Public Roads	DuPage	City of Elmhurst
October 14 Public Roads	Kane	City of Geneva
October 14 Public Roads	Cook	City of Hickory Hills
October 14 Public Roads	McHenry	City of McHenry
October 14 Public Roads	DuPage	City of Warrenville
October 14 Public Roads	DuPage	City of Wheaton
October 14 Public Roads	Lake	Cuba Road Road District
October 14 Public Roads	Lake	Fremont Township
October 14 Public Roads	NA	GSG Consultants
October 14 Public Roads	NA	Illinois State Toll Highway Authority
October 14 Public Roads	Lake	Lake County
October 14 Public Roads	Lake	Libertyville Township
October 14 Public Roads	McHenry	McHenry Township
October 14 Public Roads	Cook	Metropolitan Water Reclamation District
October 14 Public Roads	Lake	Vernon Township
October 14 Public Roads	DuPage	Village of Bartlett
October 14 Public Roads	Lake	Village of Beach Park
October 14 Public Roads	DuPage	Village of Burr Ridge
October 14 Public Roads	DuPage	Village of Carol Stream
October 14 Public Roads	DuPage	Village of Clarendon Hills
October 14 Public Roads	DuPage	Village of Darien
October 14 Public Roads	DuPage	Village of Downers Grove
October 14 Public Roads	Will	Village of Elwood
October 14 Public Roads	Kane	Village of Gilberts
October 14 Public Roads	DuPage	Village of Glen Ellyn
October 14 Public Roads	DuPage	Village of Glendale Heights
October 14 Public Roads	Cook	Village of Hoffman Estates
October 14 Public Roads	Will	Village of Homer Glen
October 14 Public Roads	McHenry	Village of Huntley
October 14 Public Roads	DuPage	Village of Itasca
October 14 Public Roads	Lake	Village of Lindenhurst
October 14 Public Roads	DuPage	Village of Lombard
October 14 Public Roads	Will	Village of Minooka
October 14 Public Roads	Will	Village of Mokena
October 14 Public Roads	DuPage	Village of Oak Brook
October 14 Public Roads	Kendall	Village of Oswego
October 14 Public Roads	Will	Village of Romeoville
October 14 Public Roads	DuPage	Village of Roselle
October 14 Public Roads	Lake	Village of Round Lake Beach
October 14 Public Roads	Will	Village of Shorewood
October 14 Public Roads	Cook	Village of Streamwood
October 14 Public Roads	DuPage	Village of Villa Park
October 14 Public Roads	Cook	Village of Wheeling
October 14 Public Roads	DuPage	Village of Woodridge

October 14 Public Roads	DuPage	Wayne Township
October 14 Public Roads	Will	Wheatland Road District
October 14 Public Roads	Will	Will County
October 14 Public Roads	DuPage	Winfield Township
October 14 Public Roads	NA	WSP
October 1st Public Roads	DuPage	Addison Township
October 1st Public Roads	Cook	City of Evanston
October 1st Public Roads	DuPage	City of Naperville
October 1st Public Roads	DuPage	City of Warrenville
October 1st Public Roads	Will	Exxon Mobil
October 1st Public Roads	NA	GSG Consultants
October 1st Public Roads	NA	IL State Toll Highway Authority
October 1st Public Roads	DuPage	Lisle Township
October 1st Public Roads	NA	Morton Arboretum
October 1st Public Roads	Kendall	Village of Bristol
October 1st Public Roads	McHenry	Village of Cary
October 1st Public Roads	Will	Village of Channahon
October 1st Public Roads	DuPage	Village of Darien
October 1st Public Roads	Kane	Village of Gilberts
October 1st Public Roads	DuPage	Village of Glendale Heights
October 1st Public Roads	Lake	Village of Gurnee
October 1st Public Roads	Will	Village of Manhattan
October 1st Public Roads	Cook	Village of Niles
October 1st Public Roads	Lake	Village of Round Lake Beach
October 1st Public Roads	Will	Village of Shorewood
October 1st Public Roads	Kane	Village of Sugar Grove
October 1st Public Roads	Cook	Village of Western Springs
October 8th Parking Lots & Sidewalks	DuPage	Addison Park District
October 8th Parking Lots & Sidewalks	DuPage	Bloomington Park District
October 8th Parking Lots & Sidewalks	DuPage	City of Elmhurst
October 8th Parking Lots & Sidewalks	DuPage	City of Wheaton
October 8th Parking Lots & Sidewalks	McHenry	Crystal Lake Park District
October 8th Parking Lots & Sidewalks	DuPage	DuPage County Forest Preserve District
October 8th Parking Lots & Sidewalks	NA	Exxon Mobil
October 8th Parking Lots & Sidewalks	Kane	Fox Valley Park District
October 8th Parking Lots & Sidewalks	Lake	Fremont Township
October 8th Parking Lots & Sidewalks	Kane	Geneva Park District
October 8th Parking Lots & Sidewalks	Lake	Lake County Tech Campus
October 8th Parking Lots & Sidewalks	Cook	Metropolitan Water Reclamation District
October 8th Parking Lots & Sidewalks	NA	Morton Arboretum
October 8th Parking Lots & Sidewalks	DuPage	Naperville Park District
October 8th Parking Lots & Sidewalks	Lake	North Shore Water Reclamation District
October 8th Parking Lots & Sidewalks	Lake	Round Lake School District 116
October 8th Parking Lots & Sidewalks	Cook	Streamwood Park District
October 8th Parking Lots & Sidewalks	Will	Valleyview School District
October 8th Parking Lots & Sidewalks	DuPage	Village of Bloomingdale
October 8th Parking Lots & Sidewalks	DuPage	Village of Clarendon Hills

October 8th Parking Lots & Sidewalks	DuPage	Village of Glen Ellyn
October 8th Parking Lots & Sidewalks	DuPage	Village of Hanover Park
October 8th Parking Lots & Sidewalks	Cook	Village of Hoffman Estates
October 8th Parking Lots & Sidewalks	Will	Village of Homer Glen
October 8th Parking Lots & Sidewalks	DuPage	Village of Oak Brook
October 8th Parking Lots & Sidewalks	Kane	Village of Sugar Grove
October 8th Parking Lots & Sidewalks	Cook	Village of Western Springs
October 8th Parking Lots & Sidewalks	Cook	Village of Wheeling
October 8th Parking Lots & Sidewalks	Lake	Wildwood Park District
October 8th Parking Lots & Sidewalks	DuPage	Woodridge Park District

# DuPage/Salt Creek Special Conditions Report

March 31, 2021



\*Photo courtesy of DuPage County Forest Preserve District



DuPage River Salt Creek Workgroup



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# Introduction and Participation DuPage/Salt Creek Special Conditions Report March 31, 2021.

This report fulfills certain reporting requirements contained in DuPage River Salt Creek Workgroup's (DRSCW) and Lower DuPage River Watershed Coalition's (LDRWC) NPDES permits. These requirements are as provided in the DRSCW Special Conditions (Attachment 1) and the LDRWC Special Conditions (Attachment 2 – Note: As the LDRWC Special Conditions differ between permit holders, the Special Conditions for Bolingbrook STP#3 is included the Attachment as a representation of the Workgroup's Special Conditions Language.)

The Special Conditions are in the NPDES permits identified in Table 1 and Table 2. Listed permittees are required to ensure the completion of projects and activities set out in the Special Conditions, while a few other permittees are required to participate only in identified watershed level studies and the chloride reduction program. Table 1 identifies the status of funding for these activities by each permittee in the DRSCW; and Table 2 identifies the status of funding for these activities by each permittee in the LDRWC.

All listed permittees participate in the DRSCW and/or LDRWC and are working with other watershed members of the DRSCW and LDRWC to determine the most cost-effective means to remove dissolved oxygen (DO) and offensive condition impairments in the DRSCW watersheds.

The specific reporting requirements addressed herein include annual reporting on the progress of the projects listed in the Special Conditions, and certain baseline condition reporting for the Chloride Reduction Program. Map 1 and 2 show the locations of the physical projects to be realized under the special conditions.

## **Special Condition Permit Holder Forum**

In Fall 2020, three (3) Special Conditions Permit Holder Forums for DRSCW and LDRWC Permit Holders were held via Zoom. Special Condition Permit Holders were encouraged to attend at least one of the forums. The objective of the meeting was to provide an update on the Nutrient Implantation Plan (NIP) and discuss future permit negotiations.

**Table 1. Participation in the DRSCW Special Condition permit 2020-2021.**

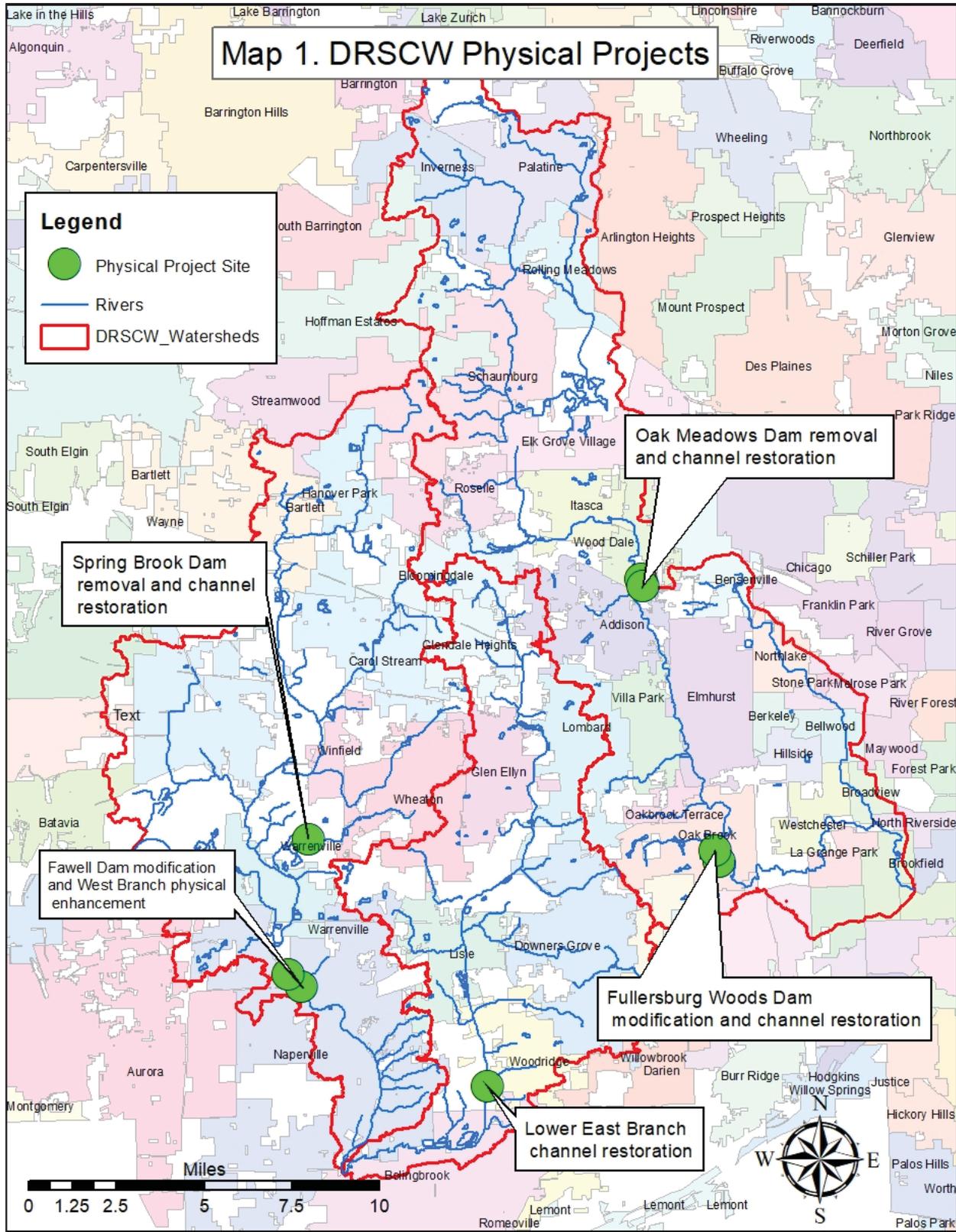
<b>POTW Owner/ Facility Name</b>	<b>NPDES No.</b>	<b>Membership Dues Paid 2020-21</b>	<b>Assessment Paid for Paragraph 2 Table Project Funding*</b>	<b>Assessment Paid for Chloride Reduction/NIP/QUAL 2k/Trading Program</b>
Addison North STP	IL0033812	YES	YES	YES
Addison South - AJ LaRocca	IL0027367	YES	YES	YES
Bartlett WWTP	IL0027618	YES	YES	YES
Bloomington-Reeves WRF	IL0021130	YES	YES	YES
Bolingbrook STP#1	IL0032689	YES	YES	YES
Bolingbrook STP#2	IL0032735	YES	YES	YES
Carol Stream WRC	IL0026352	YES	YES	YES
Downers Grove SD	IL0028380	YES	YES	YES
DuPage County Woodridge	IL0031844	YES	YES	YES
Elmhurst WWTP	IL0028746	YES	YES	YES
Glenbard WW Authority STP	IL0021547	YES	YES	YES
Glendale Heights STP	IL0028967	YES	YES	YES
Hanover Park STP#1	IL0034479	YES	YES	YES
Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) – Egan WRP	IL0036340	YES	YES	YES
MWRDGC – Hanover Park WRP	IL0036137	YES	YES	YES
Roselle-Devlin STP	IL0030813	YES	YES	YES
Roselle-J Botterman WWTF	IL0048721	YES	YES	YES
Salt Creek SD	IL0030953	YES	YES	YES
West Chicago Regional WWTF	IL0023469	YES	YES	YES
Wheaton SD	IL0031739	YES	YES	YES
Wood Dale North STP	IL0020061	YES	YES	YES
Wood Dale South STP	IL0034274	YES	YES	YES
Bensenville South STP	IL0021849	YES	N/A	YES
Itasca STP	IL0079073	YES	N/A	YES

\*N/A means that the agency does not have that condition in their permit.

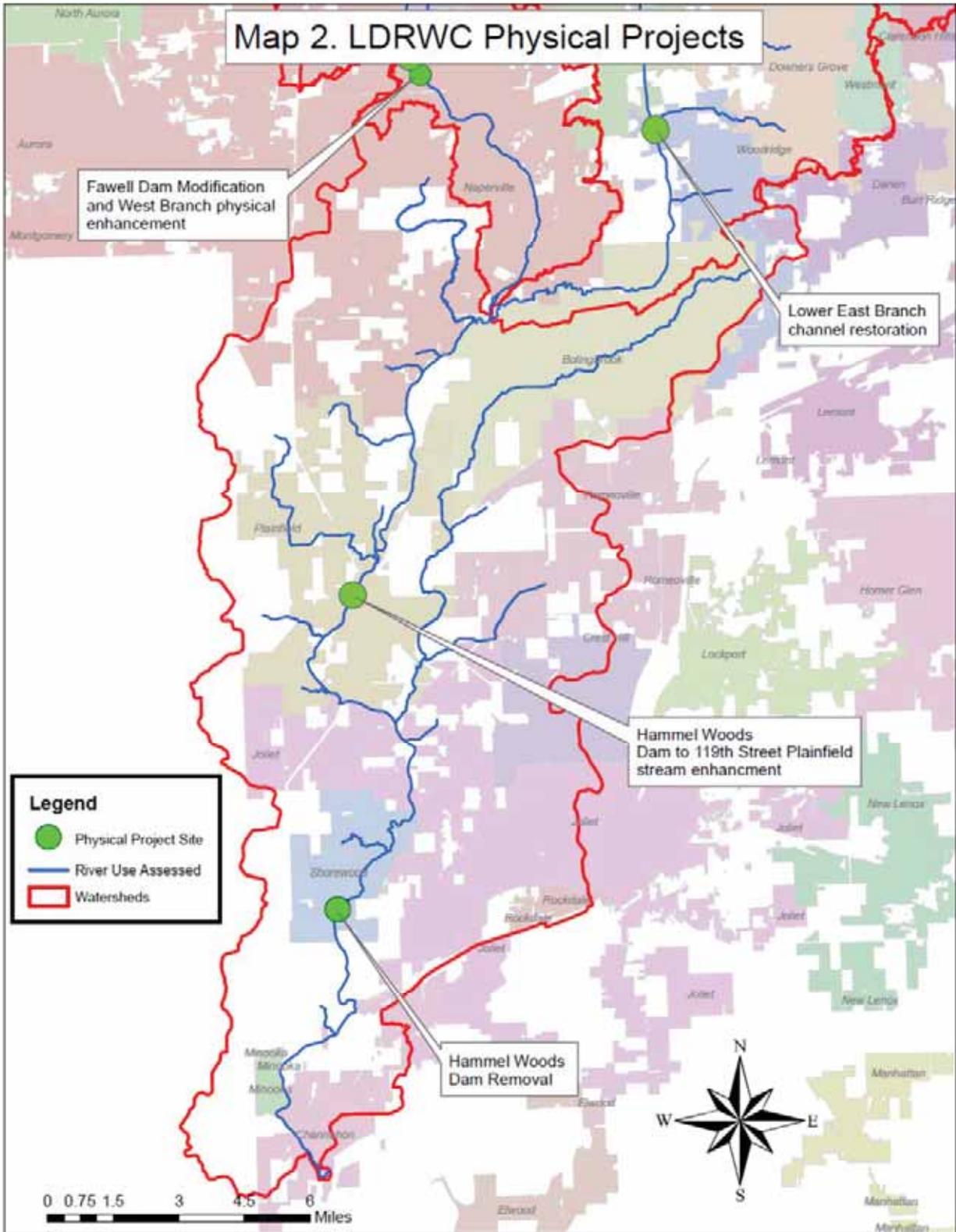
**Table 2.** Participation in the LDRWC Special Condition Permit 2020-2021.

<b>POTW Owner/ Facility Name</b>	<b>NPDES No.</b>	<b>Membership Dues Paid 2020-2021</b>	<b>Assessment Paid for Paragraph 2 Table Project Funding*</b>	<b>Assessment Paid for Chloride Reduction/NIP/QUAL 2k/Trading Program</b>
Naperville Springbrook WRC	IL0034061	YES	YES	YES
Bolingbrook STP#3	IL0069744	YES	YES	YES
Plainfield STP	IL0074373	YES	N/A	YES
Joliet Aux Sable Plant	IL0076414	YES	N/A	YES
Crest Hill West STP	IL0021121	YES	N/A	YES
Minooka STP	IL0055913	YES	N/A	YES

\*N/A means that the agency does not have that condition in their permit.



Map 1. Map of DRSCW physical projects set out in the Special Condition.



Map 2. Map of the LDRWC physical projects set out in the Special Condition.



## Chapter 1 Physical Projects

The Special Condition Paragraph 2 identifies stream restoration and dam modification projects that must be completed by the DRSCW and/or LDRWC. The current DRSCW Five-Year Financial Plan and the LDRWC Five-Year Financial Plan identifies project expenses and funds allocated for each of the physical projects. Map 1 shows the DRSCW physical projects covered in this section and Map 2 shows the LDRWC physical projects covered in this section.

### 1.1 Oak Meadows Dam Removal and Stream Restoration

- Special Condition Completion Date – December 31, 2016 (dam removal), December 31, 2017 (stream restoration)
- Project Status – Dam removal and stream restoration are complete. The post-project monitoring phase was completed in 2019. Future monitoring of the project area will be completed in conjunction with the bioassessment program. Salt Creek’s next bioassessment is scheduled for the Summer of 2021.

Summary of Results – Post project survey results: mean QHEI increased from 57.25 to 69.3 in 2017 to 70 in 2018 and 71.25 in 2019. Mean mIBI increased from 23.6 (based on 2013 data) to 33.2 in 2017, to 34.9 in 2018, and to 40.85 in 2019. Additionally, 13 of the 21-high value rheophilic taxa identified at the site were only identified post-project.

#### 1.1.1. Site Description

The 2016 Annual Report provided a site description.

#### 1.1.2. Design Characteristics

The 2016 Annual Report described the Project’s design characteristics.

#### 1.1.3. Project Implementation

The 2017 Annual Report detailed the project implementation.

#### 1.1.4. Project Impact Evaluation

The 2019 Annual Report detailed the post-project monitoring phase of the project. Future monitoring of the project area will be completed in conjunction with the bioassessment program and will be completed in 2021.

### 1.2 Fawell Dam Modification

- Special Condition Listed Completion Date – December 2018, Extended to December 2021. Based on feedback from DuPage County (dam’s owner) and the fish ladder

manufacturer DRSCW will advise IEPA if more time is necessary. This should be known by June 2021.

- Status – In design and permitting phase.

The objective of the project is to allow fish passage through the Fawell dam. To accomplish this, the original design approach focused on modifying the dam's primary spillway, which consists of three box culverts. In June 2018, the Dam's owner (DuPage County Division of Storm Water Management (DC SWM)) revealed that due to recent repairs to the dam structure they could no longer support direct structural modifications of the culvert system. The dam is a flood control structure operated by DuPage County Stormwater Management and must be fully functional as such post project

In response the project team, including the dam's owner, DC SWM, reviewed alternative approaches to establishing fish passage at the dam which did not involve any proposed structural modifications.

After a review of options, a proposal involving a modular fish ladder system designed by BK Riverfish, LLC from Massachusetts was proposed (Plate 1). During 2020 the project team evaluated the possibility of installing the system directly into one of the Fawell Dam's culverts. This approach has a number of advantages; no structural change to the culverts, no change to gate operations, and minimization of any post project changes in upstream and downstream water elevations.

A review team made up of DC SWM, FPDDC, IDNR and DRSCW met with the designer between 3/03/2020 and 3/04/2020 including a hands-on visit to the site.

**Plate 1.** Sections of the ladder being prepped for placement at the Eel River site.



In August 2020 a proposal was sent to DC SWM for review. Proposal included details on the installation's footings, modification of the boulder field at the tail race of the splash pad, hinged section to allow gate operations and upstream debris bollards. Additionally, initial modelling details on impacts on post project water elevations were also supplied. Permits from IDNR-OWR, USACE, and DuPage County need to be obtained by the project. Depending on the permitting process and manufacturing lead time, the goal would be to install the system in late 2021.

### 1.2.1. Site Description

The 2017 Annual Report provided a site description.

### 1.2.2. Design Characteristics

The 2020 Annual Report provided a detailed review of design characteristics including a review of the species passed by the system on the Eel River in comparison with the species of the Lower West Branch DuPage River.

The proposal sent to DC SWM includes (from downstream end):

- Dropping the crest of the downstream riprap armoring to eliminate the backwater (see Plate 2). The riprap material has been moved into its current configuration over time by traction created during high flows. The new configuration may need to be fixed in place post project.
- Extending the ladder down through the elevated lip at the downstream end of the splash pad to create a flow of attraction.
- Hinged section where the ladder exits the upstream end of the culvert to allow the ladder to be moved aside if the gate needs to be closed.
- A number of instream bollards to protect the upstream end of the ladder from debris.

### 1.2.3. Permitting Requirements

The project will require:

- Stormwater management certification demonstrating compliance with the DuPage County Countywide Stormwater Ordinance. It is anticipated that a separate Floodway Construction permit will not be required by IDNR-OWR but will be reviewed as part of the County permitting process.
- Compliance with DuPage County and US Army Corps of Engineers (USACE) requirements associated with wetlands, Waters of the U.S., buffers, and sediment and erosion control. It is assumed that the proposed improvements qualify for USACE Regional Permit (RP) 5, Wetland and Stream Restoration and Enhancement, which also typically requires submittal of a Stormwater Pollution Prevention Plan (SWPPP) to Kane-DuPage Soil & Water Conservation District as part of the permitting process.

Although it is anticipated that the existing gate operations and structural components of the dam will not be modified, a Major Modification of Existing Dam Permit from the Illinois Department of Natural Resources – Office of Water Resources (IDNR-OWR) may be required.

*Plate 2. The view south (downstream) from the dam showing the backwater affect created by the accumulated riprap. The high crest on the riprap is the result of material movement caused by the high flows through the culvert system (directly beneath the viewer’s position).*



#### 1.2.4. Design Progress Report

The proposal was sent to DuPage County (DC SWM) in August 2020 for review.

#### 1.2.5. Project Impact Evaluation

Post project, both FBI and fish taxa will be sampled upstream of the site and compared to historical data. The upstream and downstream sites were sampled in 2020 as part of the DRSWC’s rolling basin assessment.

There are several possibilities for additional instream monitoring for fish movement through the system which are being evaluated based on updated proposal.

### 1.3 Spring Brook Restoration and Dam Removal (Spring Brook Phase 2)

- Special Condition Listed Completion Date – December 2019
- Status – Construction is complete. Delays during construction were caused by the unusually wet weather encountered in 2019, by the highly mobile sediments encountered in Reach C and additional protocols created by pandemic procedures.

Objective – Based on the pre-project monitoring results the objective was refined. Both the pre-project results and post project objectives are shown in Table 3.

**Table 3.** Target QHEI, mIBI, and fIBI scores generated for Spring Brook from the 2018 sampling.

Parameter	All Monitoring Sites (5 sites)	Footprint proper sites (3 sites RM 0.75 -1.42)
QHEI	>54.8	> 52.5
MIBI	> 50.1	> 42.8
FIBI	> 19.4	> 17

The project was managed by the Forest Preserve District of DuPage County (FPDDC). The construction, permitting, and long-term monitoring was funded by the FPDDC, the Illinois Tollway and the DRSCW.

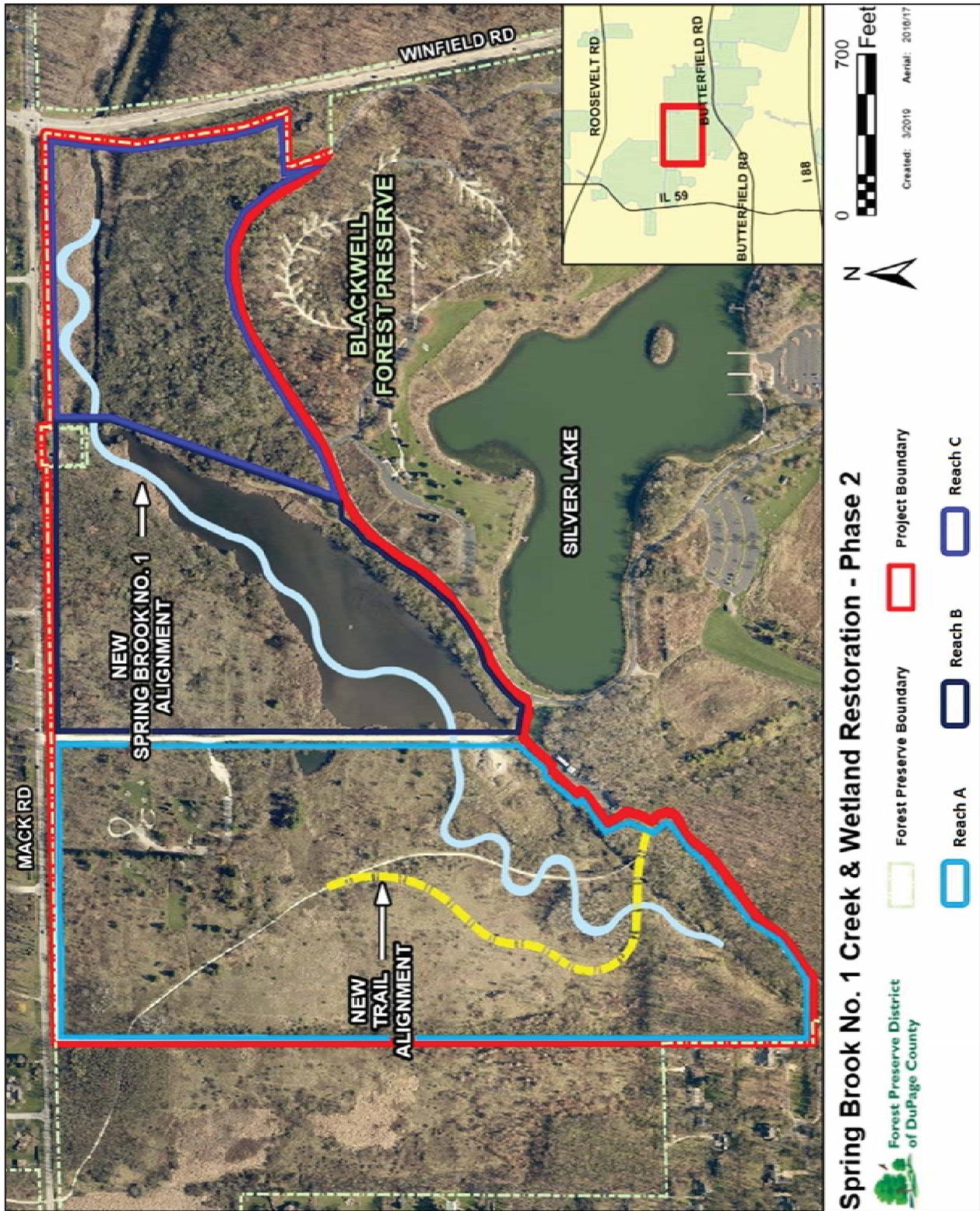
#### 1.3.1. Site Description

The Phase 2 Project is located in unincorporated DuPage County in Blackwell Forest Preserve (Map 3). The project footprint limits are entirely on FPDDC property. The project runs along Spring Brook #1. The downstream limit is approximately 400' downstream of the existing unnamed pedestrian bridge, which runs south from Mack Road and east of Williams Road. The upstream limit is Winfield Road. The project is immediately downstream of the Spring Brook #1 Stream and Wetland Restoration Project (Phase 1) constructed in 2015.

The 2018 Annual Report provided details on the Project's design in the section entitled "Design Progress Report".

#### 1.3.2. Design Characteristics

The 2017 Annual Report provided details on the Project's design characteristics in sections titled Existing Conditions and Proposed Conditions.



Map 3. Construction reaches of Spring Brook No.1 Creek & Wetland Restoration – Phase 2.

### 1.3.3. Permitting Requirements

All necessary project permits have been issued and received. The 2018 Annual Report provided details on the permits and their issuing agencies required for the project.

### 1.3.4. Project Implementation

As previously reported, by the end of February 2020 crews completed construction of the new channel in Reach C, the reach furthest upstream and closest to the intersection of Mack and Winfield Roads. Expecting spring rains, construction paused in anticipation of favorable, drier, summer weather. Map 3 denotes the location of each Reach of the project.

In May 2020, crews seeded and planted tens of thousands of plugs along the banks and in the floodplain of Reach A and Reach C. Nearly daily irrigation was necessary to ensure survival and establishment during the late spring and early summer.

Stream construction resumed in the first week of July 2020. As expected, crews discovered, soft, silty, sediment in Reach B (site of the former impoundment), often at depths over 15'. To create a stable channel, crews excavated wide cross-sections, replaced soft material with stable clay, and armored the new stream banks with cobble. Construction of Reach B lasted six weeks; and with all three reaches complete, flow of Spring Brook was diverted into the newly constructed channel on August 27, 2020.

In the days following the diversion, Forest Preserve District staff conducted fish surveys in the now-isolated reaches of the former channel. Over 1,100 individual fish representing 22 species were collected and translocated into the new stream. A detailed summary can be found in Attachment 3 as well as on the FPDDC website at <https://www.dupageforest.org/blog/spring-brook-fish>.

Following construction of the stream channel, finishing touches were completed on both bridges and the regional trail. After 1.5 years of trail closure, the new regional trail situated outside of the floodplain was reopened to pedestrians on November 2, 2020.

With cold winter temperatures and snow cover, conditions were good in January and February 2021 to selectively remove non-desirable vegetation in the uplands surrounding the riparian corridor.

Now that construction is complete, 2021 marks the first of 5 years of the required maintenance, monitoring, and reporting period. Plates 3 to 8 document work conducted in 2019-2020 on Springbrook Phase 2.

**Plate 3.** *Planted in 2019, banks of Reach A were taking root in July 2020.*



**Plate 4.** *Excavation of a new Spring Brook channel in Reach B, a former impoundment created by a dam, continued in July 2020.*



**Plate 5.** Flow of Spring Brook No. 1 was diverted into a new channel on August 27, 2020.



**Plate 6.** Without water flow in the former channel, Forest Preserve staff collected and inventoried isolated fish to translocate into the new channel.



**Plate 7.** Trail base was laid outside the floodplain for a newly routed regional trail in October 2020.



**Plate 8.** Aerial image showing the completed project in October 2020.



### 1.3.5. Project Impact Evaluation

Pre-project monitoring was included in the 2018 Annual Report. No monitoring was conducted in 2019 and 2020 due to on-going construction. Post-project monitoring will begin in 2021.

### 1.4 Fullersburg Woods Dam Modification Concept Plan Development

- Special Condition Listed Completion Date – December 2016
- Status – Complete (December 2016)

The DRSCW submitted the Fullersburg Woods Dam Modification Concept Plan to the IEPA on December 2016. The 2017 Annual Report included details on the findings of the Fullersburg Woods Dam Modification Concept Plan.

### 1.5 Fullersburg Woods Dam Modification and Stream Restoration

- Special Condition Listed Completion Date – December 2021
- Status – Outreach and Education Campaign is ongoing (started 2017). Master Planning process was completed in 2020. Final Design/Construction is in progress and is scheduled for completion in 2022-2023.

The project is on the Salt Creek mainstem; its objectives are to raise QHEI above its current score of 39.5, raise fIBI at the sites upstream of the dam above its current score of 19.0, raise mIBI above its current score of 17 for approximately 1.5 river miles and to improve dissolved oxygen (DO) in the impoundment, as compared to the 2007-2018 data set. The DRSCW will be collaborating with FPDDC and DuPage County Stormwater Management (DC SWM) on this project. DRSCW has budgeted \$4,975,000 for this project.

#### 1.5.1. Site Description

The 2018 Annual Report provided details on the Project's site description.

#### 1.5.2. Research and Public Outreach

The plan to modification of the Fullersburg Woods (Graue Mill) dam encountered significant public opposition. The concept plan prepared in 2016 included a framework for reaching out to stakeholders, listening to their concerns and soliciting feedback so that the final design proposal could incorporate features based on their input. In 2018, the DRSCW replaced its original outreach coordinator with Aileron Communications and updated the research and public outreach work plan. Below includes each task and work completed in 2020.

#### **Phase 1: Public Opinion Research**

The 2019 Annual Report included details on Phase 1 of the Public Opinion Research.

## **Phase 2: Communications and Outreach**

As the DRSCW moved forward with the preparation of a Master Plan for Salt Creek at Fullersburg Woods (see Section 1.5.3 for more details) that included modifying the Graue Mill Dam, the DRSCW signed a contract with Aileron Communications to continue providing services during this phase of the project. Work included communications and outreach efforts that would take place before the master plan was shared with the public, as well as communications strategy and support for public outreach on the master plan. These steps were designed to align support for the DRSCW's goals, increase the public's trust in the workgroup and help the public understand the importance of dam modification projects.

Please find below summaries of each task associated with the Communications and Outreach tasks for the Master Plan for Salt Creek at Fullersburg Woods completed in 2020. Details on the 2020 activities can be found in the Master Plan for Salt Creek at Fullersburg Woods, Public Outreach and Engagement Report, dated September 2020. [http://restoresaltcreek.org/wp-content/uploads/2020/09/masterplan\\_publiccommentreport\\_09142020final.pdf](http://restoresaltcreek.org/wp-content/uploads/2020/09/masterplan_publiccommentreport_09142020final.pdf)

### Task 1: Press Announcements and New Stories

Aileron worked with the DRSCW to create materials to improve the public understanding of the broader context of watershed restoration efforts and the benefits of dam modification. This effort also helped us build relationships between DRSCW and local media before the Master Plan for Salt Creek at Fullersburg Woods was presented to the public.

The first article was published by the Daily Herald on March 22, 2020. It was focused on the water and habitat improvement recorded following dam removal and restoration of the Oak Meadows dam site (See Section 1.1 of the 2020 report for additional information on the project at the Preserve at Oak Meadows).

On April 7, 2020, a virtual press conference was held to discuss dam removals in Illinois. Presentations on ongoing/future dam removal/modification work were given by representatives from Illinois Department of Natural Resources, DRSCW, Kane County, Fox River Study Group, Friends of the Chicago River and Chicago Park District. The following newspapers/news outlets attended the press conference: Chicago Sun Times, Daily Herald, Patch, Aurora Beacon News, NW Herald, Independent News, Kane County Chronicle, WBEZ, and Journal Topics. Additionally, the recording of the press conference was made available to additional newspaper and news outlets via email. The following news articles resulted from the Virtual Press Conference:

State Funding Steps Up Fox River Dam Removal Projects. Kane County Chronicle. April 7, 2020.  
<https://www.kcchronicle.com/2020/04/07/state-funding-steps-up-fox-river-dam-removal-projects/aphr45r/>

Chicago rivers: A discussion on dam removals on the Des Plaines, Fox, DuPage and Chicago rivers. Chicago Sun Times. April 11, 2020.  
<https://chicago.suntimes.com/2020/4/11/21217411/chicago-rivers-discussion-dam-removals-des-plaines-fox-dupage-chicago-rivers>

Planning Underway for Carpentersville Dam Removal on Fox River in 2020. Chicago Tribune. April 14, 2020.  
<https://www.chicagotribune.com/suburbs/elgin-courier-news/ct-ecn-carpentersville-dam-fox-river-st-0415-20200414-ykg4xfur3be4fhwowowpf3sk44-story.html>

Village Considers Dam Removal. Aurora Beacon News. June 9, 2020  
[https://digitaledition.aurorabeaconnews.chicagotribune.com/infinity/article\\_share.aspx?guid=de724e15-d230-4697-88e4-0e5b57400d72&fbclid=IwAR3KnBb52e4c-8HsD6E17CyGVH6XbbhaxZxl7XLwpp-3wJI4J8MhL5kARMU](https://digitaledition.aurorabeaconnews.chicagotribune.com/infinity/article_share.aspx?guid=de724e15-d230-4697-88e4-0e5b57400d72&fbclid=IwAR3KnBb52e4c-8HsD6E17CyGVH6XbbhaxZxl7XLwpp-3wJI4J8MhL5kARMU)

**Task 2: Public Open Houses**

DRSCW hosted two public open houses and held a 30-day public comment period to solicit input and comment on the draft Concept Master Plan for Salt Creek at Fullersburg Woods (see Section 1.5.3 for more details).

*Advertising Tactics for the Master Plan for Salt Creek at Fullersburg Woods*

The DRSCW and Aileron used a three-pronged approach in educating stakeholders and soliciting input on the Concept Master Plan for Salt Creek at Fullersburg including awareness, education, and engagement activities (Table 4).

**Table 4.** *Three-pronged approach to educating stakeholders for the Concept Master Plan for Salt Creek at Fullersburg Woods.*

Awareness	Education	Engagement
Public Notice	RestoreSaltCreek.org	Virtual Open Houses
News Coverage	Background Videos	Stakeholder Follow-Up
Newsletter	Fact Sheets	Public Comment Form
Social Media	Stakeholder Meetings	
Email Campaigns		

Details on these can be found in the Master Plan for Salt Creek at Fullersburg Woods, Public Outreach and Engagement Report, dated September 2020. [http://restoresaltcreek.org/wp-content/uploads/2020/09/masterplan\\_publiccommentreport\\_09142020final.pdf](http://restoresaltcreek.org/wp-content/uploads/2020/09/masterplan_publiccommentreport_09142020final.pdf)

### *Public Open Houses*

The DRSCW hosted two virtual open house events to allow the public to learn more about the project and ask questions of DRSCW staff. While public health restrictions made large in-person meetings impossible, the virtual open houses were well attended and gave members of the public an opportunity to learn about the project and ask questions in a live format, as well as watch recordings of the events after the fact.

The virtual open houses took place on July 7 at 7:00 PM and on July 9 at 11:00 AM and each event lasted approximately 110 minutes. 78 people attended the July 7th open house and 71 people attended the July 9th event. Recordings of the webinars were viewed approximately 120 times during the public comment period.

The open houses consisted of a presentation by Stephen McCracken of the DRSCW followed by a question and answer session. DRSCW staff answered more than 80 questions from the public during the two open house events.

The recordings of the Open House events are available at [RestoreSaltCreek.org](http://RestoreSaltCreek.org).

### *30-Day Public Comment Period*

The public comment period for the Master Plan for Salt Creek at Fullersburg Woods was open from July 7 through August 7, 2020. Comments were collected via an online form that was available to anyone. The comment form requested that participants watch the open house recordings and background videos if they had not attended one of the virtual open houses. Commenters were required to provide their name and address.

As described in the public outreach section of this report, the DRSCW invited the public to provide comment and worked to build public awareness of the opportunity for comment. During the comment period, the Workgroup published a second public notice in the Daily Herald, held additional meetings with stakeholders, and used email and social media outreach to make sure the public was aware of the opportunity to comment.

Table 5 includes a summary of the Public Comment form and results. A total of 172 comments were received via the public comment process. 96 of those who commented shared “additional thoughts” on the Master Plan. 91% of the public comments were supportive of the Master Plan

and 86% indicated strong support. 9% of the comments were opposed to the plan with 8% strongly opposed. Responses were largely consistent across the various questions, positive responses ranged from 87-92% across the survey questions and negative responses ranged from 8-13%. While a number of comments did express strong opposition to the project, the public comments overall were strongly in support of the Master Plan.

**Table 5. Master Plan for Salt Creek at Fullersburg Woods Public Comment Form and Results.**

Question	Summary of Results
1. Did you watch the open house webinar about the Master Plan for Salt Creek at Fullersburg Woods?	Yes: 73.68% No: 26.32%
2. Did you watch the background information webinars about the Master Plan for Salt Creek at Fullersburg Woods?	Yes: 76.16% No: 23.84%
3. Have you visited Fullersburg Woods in the last year?	Yes: 67.44% No: 32.56%
4. What's your primary reason for visiting Fullersburg Woods?	Recreation: 56.77% Watch Animals: 5.81% Scenery: 24.52% Visit Historic Sites: 9.68% Learn about Nature: 3.23%
5. Do you understand the benefits of the Master Plan?	Yes: 92.44% No: 7.56%
6. Have your questions about the Master Plan been adequately answered?	Yes: 88.89% No: 9.94% Unsure: 1.17%
7. Do you understand the legal requirements to improve water quality in Salt Creek?	Yes: 92.99% No: 4.09% Unsure: 2.92%
8. Do you think the Master Plan would improve opportunities for recreation?	Yes: 90.70% No: 9.30%
9. Do you think the Master Plan would improve habitat for fish, plants and animals?	Yes: 91.81% No: 8.19%
10. Do you think the Master Plan would improve scenery in the area?	Yes: 90.59% No: 9.41%
11. Do you think the Master Plan would preserve the historic character of the site?	Yes: 90.00% No: 10.00%
12. Do you think the Master Plan would improve opportunities for the public to learn about nature?	Yes: 90.12% No: 9.88%
13. Do you think the Master Plan would improve public safety?	Yes: 87.20% No: 12.80%
14. Do you think the Master Plan would improve water quality in Salt Creek?	Yes: 92.44% No: 7.56%
15. Do you think the Master Plan is a good use of financial resources?	Yes: 90.70% No: 9.30%
16. Do you support the Master Plan for Salt Creek at Fullersburg Woods?	Yes: 90.64% No: 9.36%
17. How would you rate your support for the Master Plan?	Support: 90.70% Oppose: 9.30%

Details including all submitted comments and attendance sheets for the Public Open Houses can be found in the Master Plan for Salt Creek at Fullersburg Woods, Public Outreach and Engagement Report, dated September 2020. [http://restoresaltcreek.org/wp-content/uploads/2020/09/masterplan\\_publiccommentreport\\_09142020final.pdf](http://restoresaltcreek.org/wp-content/uploads/2020/09/masterplan_publiccommentreport_09142020final.pdf)

### 1.5.3. Design Progress Report

#### *1.5.3.1. Phase 1: Development of the Concept Master Plan for Salt Creek at Fullersburg Woods*

In June 2019, the DRSCW entered into a contract with AECOM Technical Services (AECOM) for the development of a Master Plan for Salt Creek at Fullersburg Woods. The scope of work for the Master Plan at Salt Creek at Fullersburg Woods and the work conducted to date is discussed below.

#### Task 1: Topographic and Bathymetric Survey

The topographic field survey and DOR measurements were completed in late July/early August 2019 and discussed in detail in the 2019 Annual Report.

#### Task 2: Wetlands/Waters of the United State (WOTUS) Assessment

The WOTUS assessment was completed in 2019 and discussed in detail in the 2019 Annual Report. In 2020, jurisdictional determination was issued by the United States Army Corps of Engineers. Additionally, DuPage County confirmed the wetland boundaries of wetlands under the County's jurisdiction.

#### Task 3: Sediment Sampling Analysis

Preliminary Sediment sampling analysis was completed in 2019 and discussed in detail in the 2019 Annual Report.

#### Task 4: Alternatives Analysis and Cost Estimates

The Alternatives Analysis was completed in 2019 and discussed in detail in the 2019 Annual Report.

#### Task 5: Coordination and Alternative Selection Meetings

Work in this task included five (5) meetings between AECOM and the DRSCW. These meetings include a Project Kickoff (July 2019, two progress meetings to discuss the alternatives analysis (January 24, 2020 and February 4, 2020), a meeting to select the preferred alternative (March 11, 2020), and a meeting to present the Final Master Plan (May 2020).

### Task 6: Pre-Application Meetings

Due to the Covid-19 quarantine and restrictions on in-person meetings, this Task was moved to Phase 2 - Concept Master Plan for Salt Creek at Fullersburg Woods Final Design Engineering and Preparation of Contract Bid Documents (see Section 1.5.3.2 for more details).

### Task 7: Master Plan for Salt Creek at Fullersburg Woods

The Concept Master Plan for Salt Creek at Fullersburg Woods was completed in September 2020. As detailed in the Master Plan, this project goes beyond dam removal, it is a full stream corridor restoration project. The Master Plan will improve water quality and increase recreation and education opportunities on Salt Creek while being efficient with taxpayer money relative to other options. The Master Plan addresses this series of objectives by putting focus on the following:

- Water Quality Improvements -- The Concept Master Plan relies on the benefits of healthy, naturally free-flowing rivers to improve water quality in Salt Creek beyond what could be achieved through additional public spending on wastewater treatment. In addition to improvements at the Graue Mill dam site, over a mile of river upstream of the dam will be restored by creating wetlands, planting native vegetation, enhancing in-stream habitat and more. These enhancements will be designed to improve the aquatic habitat of Salt Creek and promote healthy populations of fish, macroinvertebrates, birds, and reptiles.
- Recreation and Education Opportunities -- The project benefits go beyond ecology. The Concept Master Plan for Salt Creek at Fullersburg Woods includes education and recreational elements to complement the water quality improvements. Proposed amenities include canoe/kayak launches, fishing stations that provide access to the creek and educational signs. Content for the educational signs will focus on the benefits of dam removal and stream restoration as well as honoring the history of the site and its milling operations.
- Responsible Public Investment -- The Concept Master Plan will allow upstream communities to forgo hugely expensive upgrades at their wastewater treatment plants recommended by the 2005 DO TMDL, by implementing the second phase of the alternative DO plan for Salt Creek. Analysis shows that improvements to water and stream resource quality due to the dam removal are more effective and cheaper than plant upgrades. Plant upgrades have been estimated at \$213 million in capital costs and \$7 million a year in increased operating costs. Such upgrades will marginally improve

water quality but cannot restore the river's fish biodiversity or the habitat upstream of the dam.

Renderings of all aspects of the project including the rock/riffle structure that will replace the dam, stream restorations practices, and recreation and education amenities are included in the Concept Master Plan (see Attachment 4 – Executive Summary).

The Concept Master Plan for Salt Creek also includes:

- A summary and findings of Tasks 1-5;
- Renderings prepared as part of Task 4 and additional renderings of the preferred alternatives as well as the stream corridor;
- A summary of all permits that will be required by the project;
- Estimate for engineering fees to complete the Final Engineering Design and Permit; and
- Construction cost opinion

The Concept Master Plan for Salt Creek at Fullersburg Woods can be found at [http://restoresaltcreek.org/wp-content/uploads/2020/09/concept-master-plan\\_09.17.20-final.pdf](http://restoresaltcreek.org/wp-content/uploads/2020/09/concept-master-plan_09.17.20-final.pdf)

#### Task 8: Needs Analysis

This task was completed and is included in the Concept Master Plan for Salt Creek Fullersburg Woods (see Task 7 for more details).

On October 6, 2020, board members of the Forest Preserve District of DuPage County, which owns the Fullersburg Woods dam and Forest Preserve, voted to enter into a lease agreement with the DRSCW. The lease agreement grants the DRSCW permission to implement all aspects of the Concept Master Plan for Salt Creek at Fullersburg Woods including the removal of the dam.

#### *1.5.3.2. Phase 2: Concept Master Plan for Salt Creek at Fullersburg Woods Final Design and Preparation of Contract Bid Documents*

In early January 2020, the DRSCW entered into a contract with Hey and Associates, Inc. for the final design engineering and preparation of contract bid documents for the Concept Master Plan for Salt Creek at Fullersburg Woods. The scope of work included in this contract is discussed below. Preliminary work on the contract which began in early 2021 will continue through 2022.

#### Task 1 –Hydraulic and hydrologic modeling

Task 1 includes the development of a hydrology/hydraulic model(s) necessary for design, permitting, and construction. Modeling will ensure that the design of the dam removal and in-stream features meet the enhancement goals of the project, are sustainable for the long-term, and do not negatively impact downstream or upstream properties.

#### Task 2 – Final Design Engineering

Task 2 includes the final design engineering of all project components, including but not limited to, the removal of the Fullersburg Woods dam and its replacement with a rock/riffle feature; stream restoration practices; and recreation amenities as included in the Concept Master Plan for Salt Creek at Fullersburg Woods. This Task also includes the final design of the Graue Mill's raceway that will include a method to maintain water level and flow (disconnected from Salt Creek) in the raceway and provisions to power the mill's waterwheel. The Dam structure investigation will also be included as part of this Task.

#### Task 3– Characterization of on-site sediment

Task 3 focuses on the development of a soil characterization plan and the collection of sediment samples. Once the existing conditions are determined, Hey and Associates will develop a sediment management plan and dredge and disposal plan as required to obtain all permits to construct the project.

#### Task 4 – Rehabilitation of Floodwall

The Nature Education Center at Fullersburg Woods has significant basement flooding due to leakage of the existing floodwall. As part of this task, Hey and Associates will inspect the existing sheet pile floodwall and develop appropriate solutions to eliminate leaking and extend the lifespan of the floodwall. Cost estimates will also be developed for each solution. The preferred solution will be incorporated into the final design of the project.

#### Task 5 – Procure Local, State, and Federal Permits for the Master Plan

Task 5 includes the preparation of all permit applications needed to procure all local, state and federal permits. At a minimum, it is anticipated coordination with the following agencies will be required:

- US Army Corps of Engineers (US ACOE)
- United States Fish and Wildlife Service
- Department of Interior National Park Service
- Illinois Department of Natural Resources (IDNR)-Office of Water Resources (OWR)
- IDNR – Cultural Resources Program

- Illinois State Historic Preservation Office (SHPO)
- DuPage County Stormwater Management
- Kane-DuPage Soil and Water Conservation District
- Forest Preserve District of DuPage County
- Illinois Environmental Protection Agency (IEPA)
- Village of Oak Brook

Task 5 also includes the completion of Historic American Engineering Record (HAER) Documentation of the Graue Mill, Fullersburg Woods dam, and surrounding area.

#### Task 6 –Preparation of Cost Estimate and Contract Bid Documents

Task 6 includes the preparation of contract bid documents and cost estimates per the specifications of the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC). Hey and Associates, Inc. will also provide Bid Assistance by addressing contractor questions during the public bid process.

#### Task 7 – Coordination Meetings

Task 7 includes six (6) meetings with Hey and Associates, the DRSCW and project stakeholders. These meetings will include: project kick off meeting, two (2) stream restoration and recreational amenities design alternatives selection meeting, and design review meetings at 50%, 75% and 100% of completion.

### 1.5.4. Project Impact Evaluation

Pre-project monitoring for the Fullersburg Woods Dam Modification project was completed in 2019 and 2020. Map 4 depicts the locations of the samples collected by the DRSCW. Table 6 includes the results of the pre-project 2019 and 2020 survey collected by the DRSCW. Figure 1-4 depict the pre-project FBI scores (Figure 1); MIwb scores (Figure 2); mIBI scores (Figure 3), and QHEI scores (Figure 4). It is also important to note that fish sampling found 24 species, including 21 native species, downstream of the dam but only 9 species with 7 native species upstream of the dam. These results highlight the need for fish passage through the Fullersburg Woods dam. Attachment 5 includes the rheophilic taxa analysis for the 2019 and 2020 pre-project monitoring at Fullersburg Woods.

## 1.6 Southern West Branch Physical Improvement

- Special Condition Listed Completion Date – December 2022
- Status – Concepts are being developed along with the Fawell Dam Modification Plan.

The DRSCW budgeted \$1,465,071 for the period 2019 to 2021.

**Table 6.** *fIBI, mIBI, and QHEI baseline data collected in 2019 and 2020 for the Fullersburg Woods Dam Modification.*

Site ID		River Mile	Drainage Area (sq mi.)	Fish IBI	MIwb	mIBI	QHEI	Attainment Status
<b>Salt Creek 2020</b>								
SC56		12.5	109.7	12	5.5	30.1	49.0	Non-Poor
SC56A		12.2	109.8	15	8.0	26.2	58.0	Non-Poor
SC56B		11.7	113.6	16	5.0	-	61.0	Non-Poor
SC56C		11.3	113.7	16	6.8	29.5	55.0	Non-Poor
SC53		11.0	114.0	16	7.2	24.7	49.5	Non-Poor
SC53A		10.8	114.0	12	7.4	22.7	44.0	Non-Poor
SC52		10.5	114.0	28	8.8	31.1	85.5	Non-Fair
<b>Salt Creek 2019</b>								
SC56		12.5	109.7	17	5.6	14.6	44.5	Non-Poor
SC56A		12.2	109.8	15	6.5	27.6	42.5	Non-Poor
SC56B		11.7	113.6	16	5.8	-	53.5	Non-Poor
SC56C		11.3	113.7	15	6.8	28.5	57.0	Non-Poor
SC53		11.0	114.0	14	7.0	20.3	54.5	Non-Poor
SC53A		10.8	114.0	13	6.7	13.2	49.5	Non-Poor
SC52		10.5	114.0	30	9.1	47.4	72.0	PARTIAL

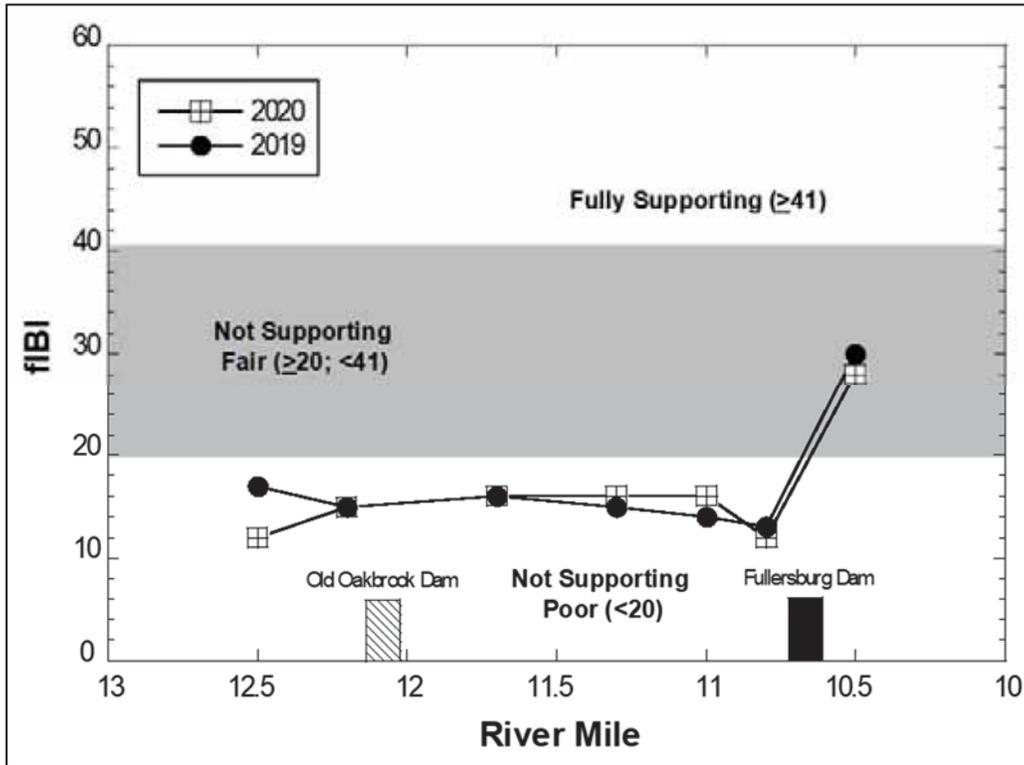
**Table 7.** *Color Key to IBI scores depicted in Table 6.*

Legend: Biological Indicators	
Green	Good
Yellow	Fair
Red	Poor
*	Significant departure from biocriterion
NS	Nonsignificant departure from biocriterion

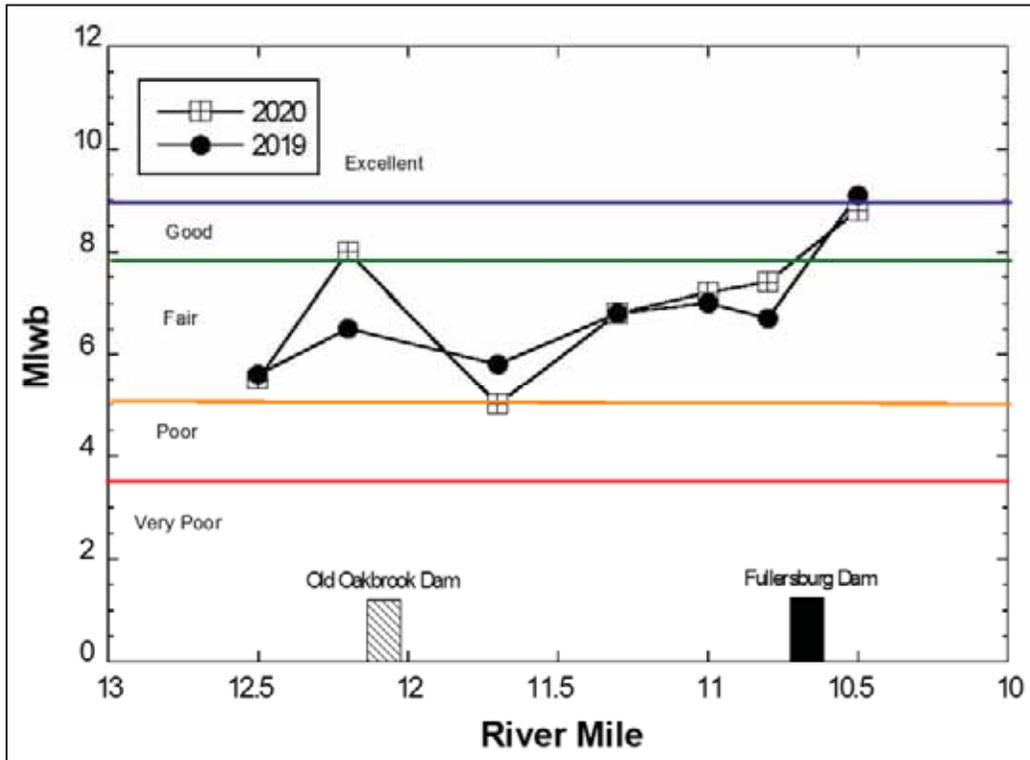
**Table 8.** *Color Key to QHEI Scores in Table 6.*

Legend: QHEI	
Blue	Excellent
Green	Good
Yellow	Fair
Orange	Poor
Red	Very Poor

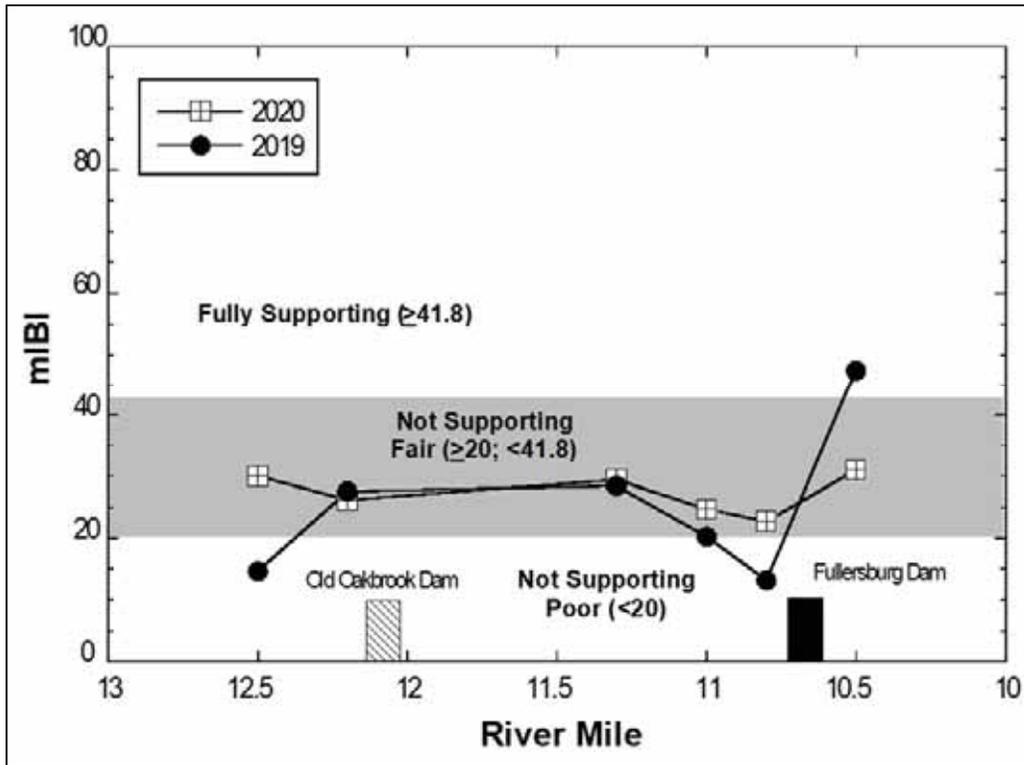
**Figure 1.** Fish Index of Biotic Integrity scores in Salt Creek at the Fullersburg Dam survey area for the years of 2019 and 2020.



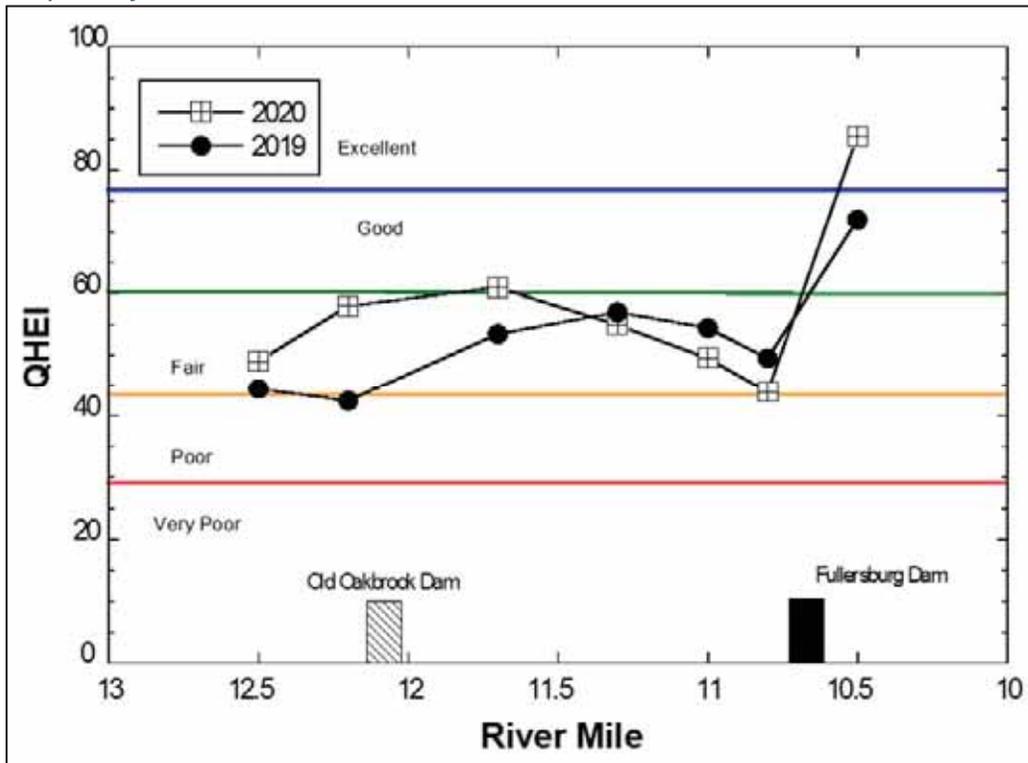
**Figure 2.** Modified Index of Well-Being (MIwb) scores in Salt Creek at the Fullersburg Dam survey area for the years of 2019 and 2020.



**Figure 3.** Macroinvertebrate Index of Biotic Integrity scores in Salt Creek at the Fullersburg Dam survey area for the years of 2019 and 2020.



**Figure 4.** Qualitative Habitat Evaluation Index (QHEI) scores in Salt Creek at the Fullersburg Dam survey area for the years of 2019 and 2020.



### Pre-Project Monitoring Sites, Fullersburg Woods Dam Modification Project



Map 4. Pre-project Monitoring Locations for the Fullersburg Woods Dam Modification Project.

## 1.7 Southern East Branch Stream Enhancement

- Special Condition Listed Completion Date – December 2023
- Status – In planning

The DRSCW has budgeted \$2,500,000 for this project and anticipates expenditures in 2021-2023.

### 1.7.1. Site Description

The DRSCW is utilizing outputs from the Identification and Prioritization System Model (IPS), pre-project site assessment (2017), and fish monitoring (2019) to narrow down the location of the project where the best improvements to aquatic life can be made. It is expected that the project will be situated in the stream reach located downstream of the Green Valley Wastewater Treatment Plant and upstream of the western boundary of the Naperville Park District's DuPage River Park East.

The 2017 Report provided details on the pre-project site assessment fieldwork conducted for the Project. See Section 1.7.3 for details on the fish sampling conducted in 2019.

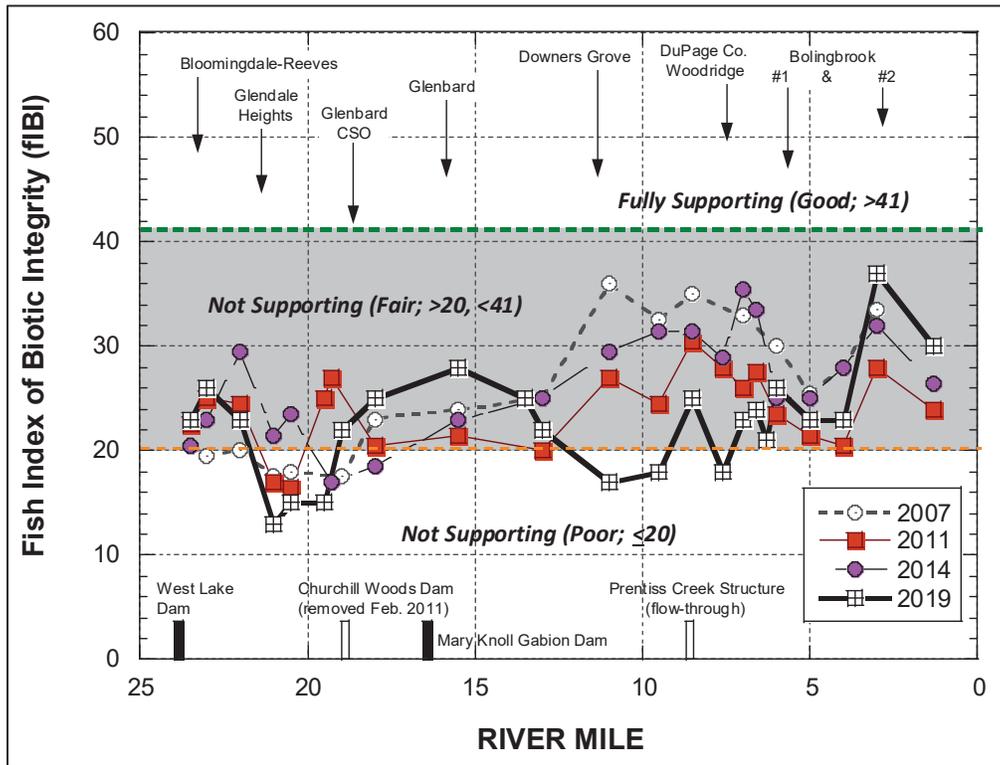
### 1.7.2. Design Progress Report

In order to identify and select a consultant for design engineering services and the preparation of contract bid documents for the Southern East Branch Stream Enhancement project, the DRSCW initiated a solicitation for statements of interests (SOIs) from interested firms in early 2021. Seven (7) consultant teams submitted SOIs. From the submitted SOIs, three (3) consultant teams were shortlisted and asked to prepare detailed project proposals. The DRSCW aims to select and enter into contract with a consultant team for this work by the end of April 2021.

### 1.7.3. Project Impact Evaluation

Figure 5 shows fIBI data collected on the main stem 2007, 2011, 2014 and 2019. The project site will be targeted on the area between river mile 2 and river mile 7. Additional higher resolution mapping is scheduled for 2021.

**Figure 5.** *fIBI* data collected on the main stem of the East Branch DuPage River (2007, 2011, 2019, and 2019).



### 1.8 Hammel Woods Dam Modification

- Special Condition Listed Completion Date – December 2023
- Status – Designs are completed and permits were submitted in November 2019. Landowner is in final discussions with permitting agencies.

The LDRWC budgeted \$600,000 for this project and anticipates expenditures in 2021-2022.

#### 1.8.1. Site Description

The 2017 Annual Report provided a site description.

#### 1.8.2. Design Characteristics

The 2017 Annual Report provided the design characteristics of the Project.

#### 1.8.3. Permitting Requirements

The 2017 Annual Report provided details on the permitting requirements for the Project. Additional requirements for completing a Historic American Engineering Record was added in late 2020 which slowed the permitting process down. This study requires the drawdown of the water for high quality photographic documentation of the structure. Agreements are being

developed to allow the documentation to occur immediately before dam removal construction to minimize construction costs.

#### 1.8.4. Design Progress Report

The Lower DuPage River Watershed Coalition approved a Memorandum of Understanding (MOU) with the Forest Preserve District of Will County (FPDWC) to fund the design and construction of this project. The FPDWC executed a contract with their consultant to complete the design and permitting phase of this project. The design consultant submitted permit applications in November 2019 to ACOE and IDNR. Bids for construction went out in August 2020 and a contract was awarded in November 2020. Construction will coincide with appropriate water level conditions for this project sometime in 2021.

#### 1.8.5. Project Impact Evaluation

The LDRWC sampled bioassessment monitoring sites in 2012, 2015, and 2018 as part of the long-term Bioassessment Program. Sites sampled include above, below the dam, and within impoundment. In order to evaluate the success of the project, the LDRWC conducted additional pre-project sampling at two additional sites within the impoundment in 2019 and will include those sites in addition to the regular bioassessment sites for post-project monitoring.

### 1.9 Hammel Woods Dam to 119<sup>th</sup> Street in Plainfield Stream Enhancement

- Special Condition Listed Completion Date – December 2023
- Status – In planning

The LDRWC has budgeted \$2,740,000.00 for this project and anticipated expenditures will be made from 2021-2023.

#### 1.9.1. Site Description

The LDRWC is utilizing outputs from the Identification and Prioritization System Model (IPS) to narrow down the location of the project where the best improvements to aquatic life can be made. Additionally, outputs from the new QUAL 2Kw model and QHEI data will be used to further define design criteria. This process should be completed in Spring 2021. It is anticipated that SOI and RFP for design and engineering work will immediately follow site selection.



## Chapter 2 Chloride Reduction Program

The Special Condition Paragraph 3 requires NPDES holder participation in a watershed Chloride Reduction Program either directly or through the DRSCW and/or LDRWC. This section summarizes the DRSCW and LDRWC Chloride Reduction Program activities in 2020/2021.

### 2.1 Technical Workshops

In 2007, the DRSCW held its first deicing workshop to highlight new deicing methods, NPDES water quality goals, and best management practices in order to reduce chlorides and costs. The workshops were held in collaboration with APWA Chicago Metro Chapter. The following year, the DRSCW added a second workshop that targeted contractors responsible for snow and ice management of parking lots and sidewalks into an annual rotation. Since 2007 the DRSCW has executed two workshops every year targeting personnel responsible for 1) public roads and 2) parking lots and sidewalks. The programs have provided training and resources for numerous attendees at various agencies. Additionally, in 2014, the DRSCW held a third workshop in collaboration with Monroe Truck Equipment which focused solely on equipment calibration (Plate 9). Calibrating equipment is an immediate, low-cost BMP that can be implemented without capital upgrades.

*Plate 9. Demonstrations of equipment calibration at DRSCW Chloride Management Workshops.*



In the past several years, deicing workshops have been held separately by The Conservation Foundation in partnership with Kane County, the DuPage River Salt Creek Workgroup, and the Lower DuPage River Watershed Coalition in partnership with Lower Des Plaines Watershed Group.

During the reporting period April 1, 2020 to March 31, 2021, three chloride reduction workshops and four 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. Registration was also made available to agencies in McHenry, Lake and Cooks counties as their usual annual deicing workshops were not being held. Accordingly, the webinars were attended by staff in DuPage, Will, Kane, Kendall, Lake, McHenry and Cook counties.

Public Roads Deicing Workshops were held on October 1 and October 14, 2020 (Plate 10). Fortin Consulting, Inc. from Minnesota was engaged to present the material. A registration fee was required per agency in order view the webinar. The links were sharable so the webinars could be viewed individually or in groups. A poll was taken at the beginning of each webinar asking how many persons were in the room. The polling results indicated that there were 280 persons viewing the Oct. 1 webinar and 190 persons viewing the Oct. 14<sup>th</sup> webinar for a total of 470 attendees for the Public Roads webinars. Certificates of attendance were provided to those who requested them. Evaluation surveys were sent to the persons who logged in to the webinars. A link to the *Minnesota Snow and Ice Control: Field Book for Snowplow Operators* was provided to each registrant.

**Plate 10. Deicing Workshops Registration Form, 2020.**



On October 8, 2020 the Parking Lots and Sidewalks Deicing Workshop webinar was held with Fortin Consulting, Inc. presenting (Plate 11). The polling results indicated that there were 123 persons viewing the webinar. Certificates of attendance were provided to those who requested them. Evaluation surveys were sent to the persons who logged in to the webinars. A link to the *Minnesota Pollution Control Agency Winter Parking Lot & Sidewalk Maintenance Manual* was provided to each registrant.

Questions from participants were entered into the chat and answered by Fortin Consulting staff, Workgroup staff as well as others participating in the training. A summary of all links provided during the training as well as other links added to the chat were captured and provided to the participants after the webinar (Plate 12).

To complement the Winter Deicing Workshops, the Winter Technical Briefs – Mini-Webinar Series was presented to focus on specific issues (Plate 13). Topics in 2020 included: October 20 – Reducing Salt With Organics: The Boost & Reduce Method, October 27 – Sourcewell & Cooperative Purchasing, November 10 – Benefits of Segmented Blades, and November 17 – The Fine Art of Brine Making. Staff also worked with local partners to create a training video on how to calibrate a walk behind salt spreader. These webinars and training video are posted on [www.saltsmart.org](http://www.saltsmart.org).

Plate 11. Welcome & Introduction to Parking Lots & Sidewalks Presentation, 2020.

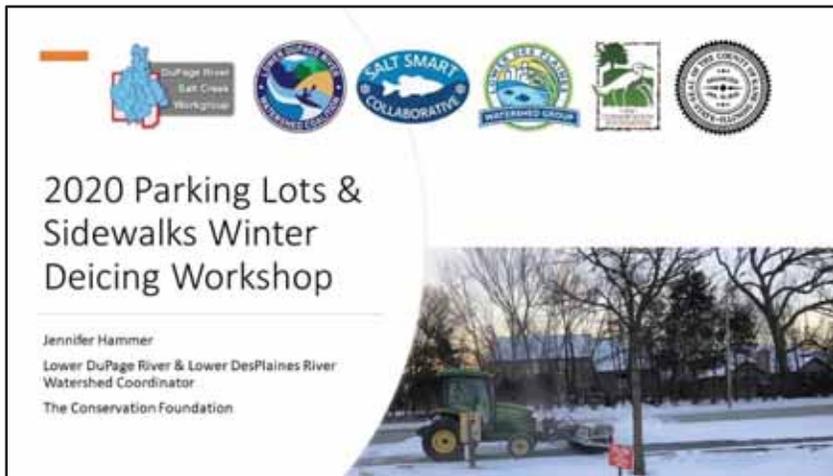
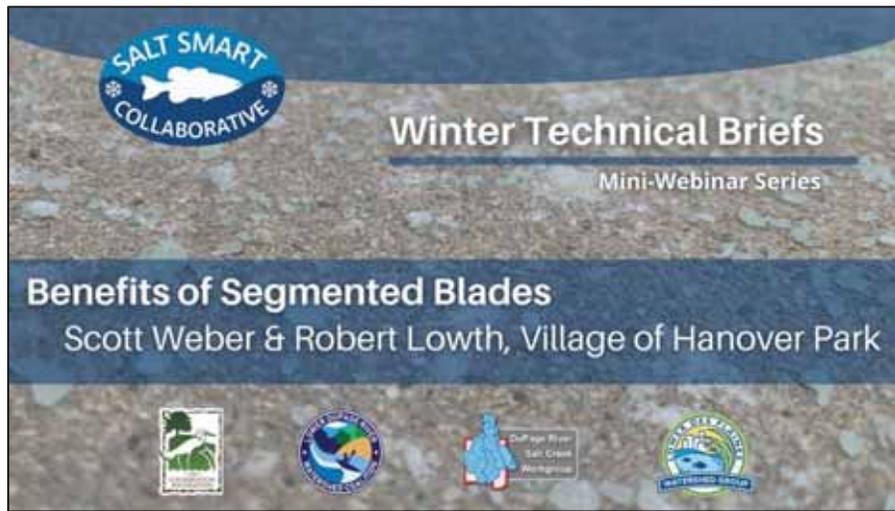


Plate 12. Links from webinar presentation and chat, 2020.

**SALT SMART COLLABORATIVE** October 2020 Winter Deicing Workshop Links

- Roads manual - <http://www.westus.wisc.edu/publications/hwy/road/documents/5/5000a.pdf>
- State by state Winter Maintenance Statistics - <https://clearroads.org/winter-maintenance-statistics/>
- Weill 14 - [https://www.cityofmadison.com/water/inside/waterline/madison\\_from\\_salt\\_1](https://www.cityofmadison.com/water/inside/waterline/madison_from_salt_1)
- "The Real Cost of Salt Use" Report - <https://www.pca.state.mn.us/sites/default/files/real%20cost%20of%20salt.pdf>
- Stormwater Research at St. Anthony Falls Laboratory, "Urban Stormwater Ponds can be a Source of Phosphorus" - [http://stormwater.saf.usp.edu/updates/newsletters/updates\\_wart\\_2018](http://stormwater.saf.usp.edu/updates/newsletters/updates_wart_2018)
- The Skinny on water softeners - <https://www.pca.state.mn.us/skinny-water-softeners>
- Clear Roads - <https://clearroads.org> <https://clearroads.org/materials/liquid-materials/>
- For the Model Snow and Ice Policy (for municipal operations) - <https://www.pca.state.mn.us/sites/default/files/p-1-5-1a.pdf>
- Model Municipal Ordinances - <https://www.pca.state.mn.us/sites/default/files/p-1-5-4.pdf>
- Model Private Contract (for hiring private contractors) - <https://www.pca.state.mn.us/sites/default/files/p-1-5-5a.pdf>
- Salt Smart Collaborative [www.saltsmart.org](http://www.saltsmart.org)
- Calibrating Manual Senders <https://www.pca.state.mn.us/sites/default/files/newshub-calibratingmanualsenders.pdf>
- Watch this later for calibration! City of Shorewood Hills Calibration Video - [http://www.youtube.com/watch?v=4L9-kul\\_e8&list=DL939](http://www.youtube.com/watch?v=4L9-kul_e8&list=DL939)
- Illinois Department of Transportation - [www.illinois.gov/IDOT/transportation](http://www.illinois.gov/IDOT/transportation)
- Information on Henderson's Brine makers <http://www.hendersonproducts.com/brine/brine-advantage.html>
- Information on Henderson's Liquid Application Systems <http://www.hendersonproducts.com/liquid-ice-control-systems.html> Rob Florio Henderson Products [rflo@hendersonproducts.com](mailto:rflo@hendersonproducts.com) or Chris Fack [cfack@hendersonproducts.com](mailto:cfack@hendersonproducts.com) or call/text (847)754-5035
- Ag by product Liquids Effectiveness - [http://clearroads.org/wp-content/uploads/09a\\_uswest/FR\\_CR\\_13\\_02\\_Review.pdf](http://clearroads.org/wp-content/uploads/09a_uswest/FR_CR_13_02_Review.pdf)
- Salt Brine Blending to Optimize Deicing and Anti-icing Performance - <https://www.dot.state.mn.us/research/documents/201120.pdf>
- More isn't always better - [https://www.youtube.com/watch?v=5tk1nJn\\_Agk](https://www.youtube.com/watch?v=5tk1nJn_Agk)
- Deicing Application Rates for two-lane road - <https://hermesconsulting.com/wp-content/uploads/2018/04/Road-Deicing-App-Rate-Matrix-Case.pdf>
- Chute design - <http://www.dot.state.mn.us/hwyresearch/files/2016/06/sustainablechutechute.pdf>
- The Small Sites YouTube video is at <https://vimeo.com/452440879/393779e2>
- "Smart Salting for Sustainability" by AASHTO - <https://www.transportation.org/2020/06/14/sustainable-40-smart-salting-for-sustainability/>
- 4 page summary of Statewide Chloride Mgmt. Plan - <https://www.pca.state.mn.us/sites/default/files/2018/01/2018.pdf>
- Twin Cities Metropolitan Area Chloride Management Plan - <https://www.pca.state.mn.us/sites/default/files/2018/01/2018.pdf>
- Smart salting schedule - <https://www.pca.state.mn.us/water/over-salting-training-calendar>
- <https://www.eco-pcm.com/pressure-remediate-saline-soils.html>
- Iowa DOT liquid spread pattern presentation from the 2020 Salt Symposium - <https://hermesconsulting.com/wp-content/uploads/2020/08/Rob-Florio-Jeff-Vanderaar-Winter-Maintenance.pdf>
- 2020 Salt Symposium presentations - <https://www.saltsmart.org/salt-symposium-2020-presentations/>

**Plate 13.** *Winter Technical Briefs, 2020.*



Additionally, during this reporting period, the LDRWC shared seasonal outreach materials for members to use in residential outreach efforts (Plate 14). The materials were made available through their website [www.dupagerivers.org/winter](http://www.dupagerivers.org/winter) and through the Salt Smart Collaborative website at [www.saltsmart.org](http://www.saltsmart.org). The LDRWC is one of the lead collaborators for SaltSmart.org. Materials included blog posts, newsletter articles, supporting social media graphics, posters/handouts, plastic cups for spreading salt correctly and a bookmark with information for residents. A winter checklist was also included to assist communities in tracking the use of outreach materials for MS4 reporting. Both websites also advertise the winter deicing workshops.

## 2.2 Tracking BMP Adoption

### 2.2.1. Chloride Questionnaire

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 will be distributed in spring of 2021 and the results will be supplied in the 2021 Annual Report.

Plate 14. Outreach Poster/Handout on winter safety, 2020.



### 2.2.2. 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 see if these efforts are resulting in a discernable impact on chloride loading within the instream water quality data collected by DRSCW from 2009 to present.

The analysis is challenging. There are many factors that affect the resulting water quality data, including variability in winter weather over the years (temperatures, precipitation, number of storms, types of storms), inconsistency in municipal salt application events across the DRSCW's

watershed areas, and inconsistency in the way events are defined and tracked by municipalities. The variability inherent in winter weather conditions, municipal application practices and record keeping does not allow the loading data to show the effect of reduction practices without accounting for it in some way. Additionally, the assumption that reductions in public or institutional use (the main recipients of training) will automatically translate into lowering of ambient chloride loading needs to be proven.

Our approach consists of using direct chloride sampling and analysis concentration data, along with adjusted specific conductivity concentration data collected by the DRSCW, and USGS flow data to calculate loading (in pound per day) of chloride for each DRSCW watershed over the past decade. This created loading data. The methodology then required that the loading data be adjusted or normalized to account for variabilities in winter weather and salt application events. The team examined several different weather datasets to try and overlay the loading data but none proved adequate. In early 2021, the DRSCW signed a contract with Weather Command / Murray and Trettel, Inc. for 10 years of detailed data.

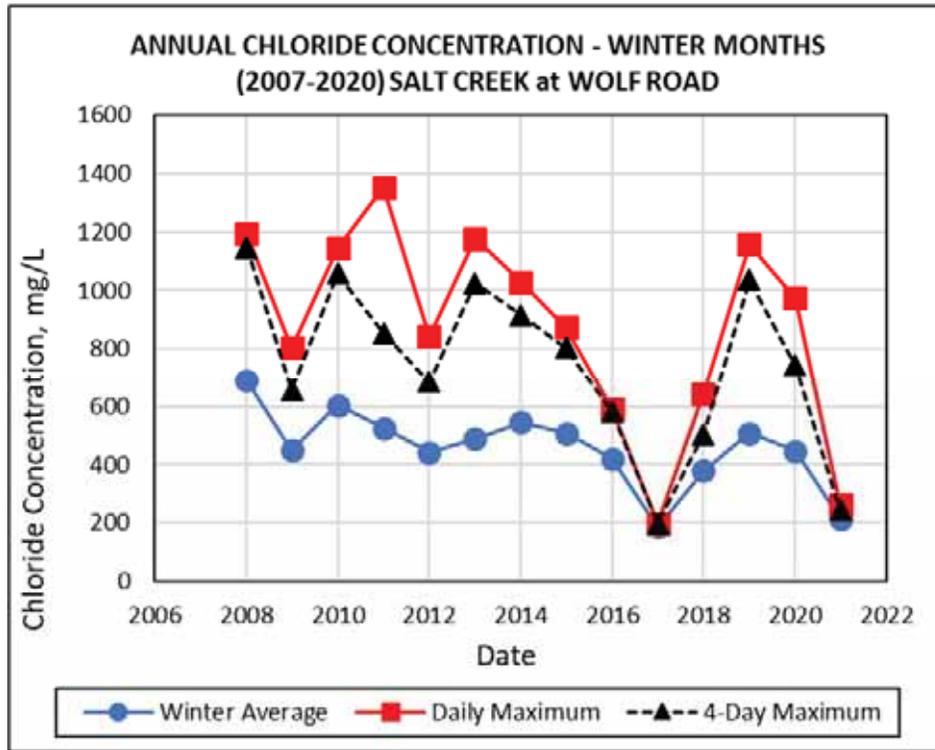
The weather data is being analyzed by individual watershed and separately for summer and winter periods each year. The hope is that once adjusted for variabilities, the loading data will better show the effect of the program's salt use reduction training and best management practices implementation by municipalities on water quality.

As of the time of this report, the data has been organized by watershed and season, and water quality loadings have been calculated for the study period. Detailed weather and precipitation data is being reviewed to develop a method for accounting for the variability in temperatures and precipitation, municipal salt application events, and the way salt application events are defined and tracked. Adjustments will be performed using those methods, and the resulting loading trends will be presented in a future report. This analysis may provide an indication of the effectiveness of the Workgroup's chloride education and reduction efforts.

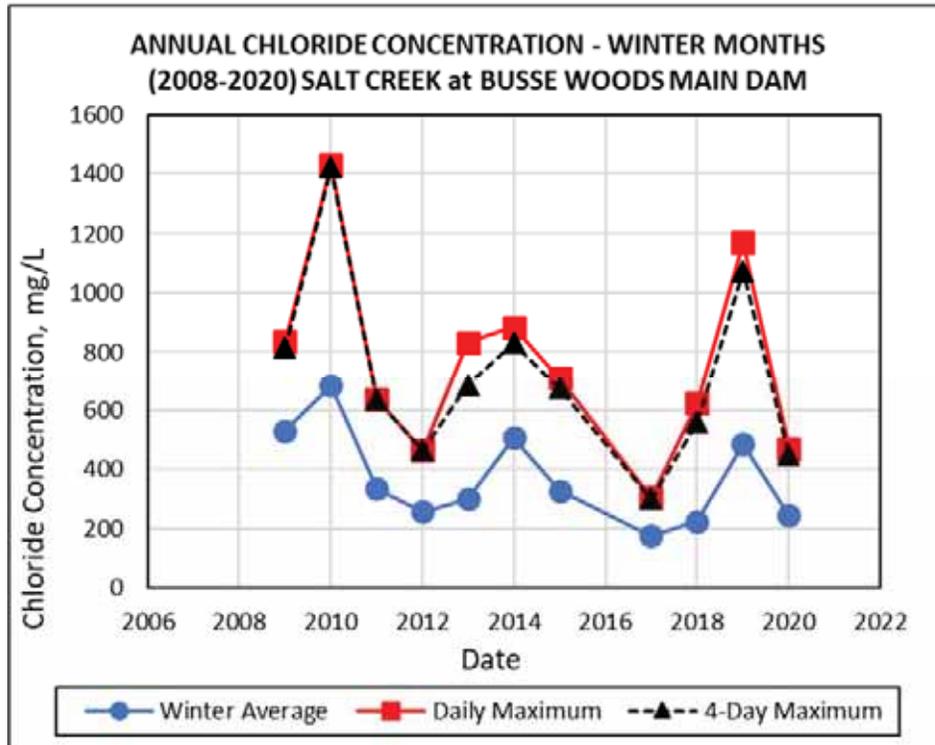
### 2.3 Continuous Chloride Monitoring

Ambient monitoring of winter conductivity was carried out at 6 locations in the program area in 2018-2019 (4 sites monitored by the DRSCW and 2 sites monitored by MWRD). Conductivity is used to calculate chloride concentrations based on a relationship established by the DRSCW in 2007 and 2019 (so the data is referred to as calculated). Calculated Annual chloride concentrations for the winter months from 2006-2019 for the 6 sites are depicted in Figure 6-11.

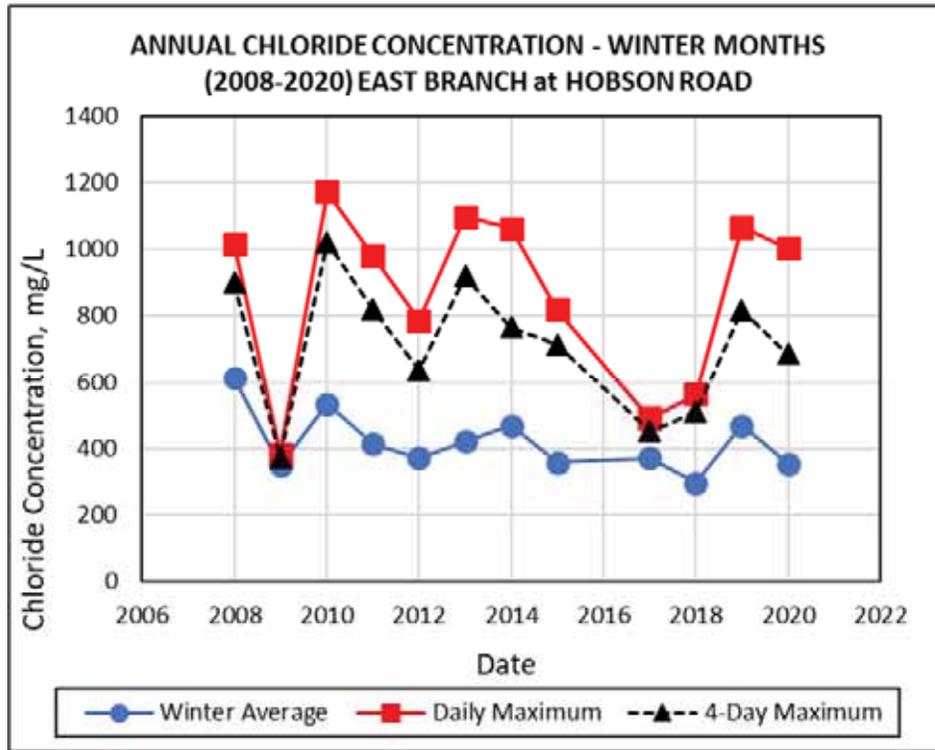
**Figure 6.** Calculated annual chloride concentrations - winter months (2007-2020) for Salt Creek at Wolf Road.



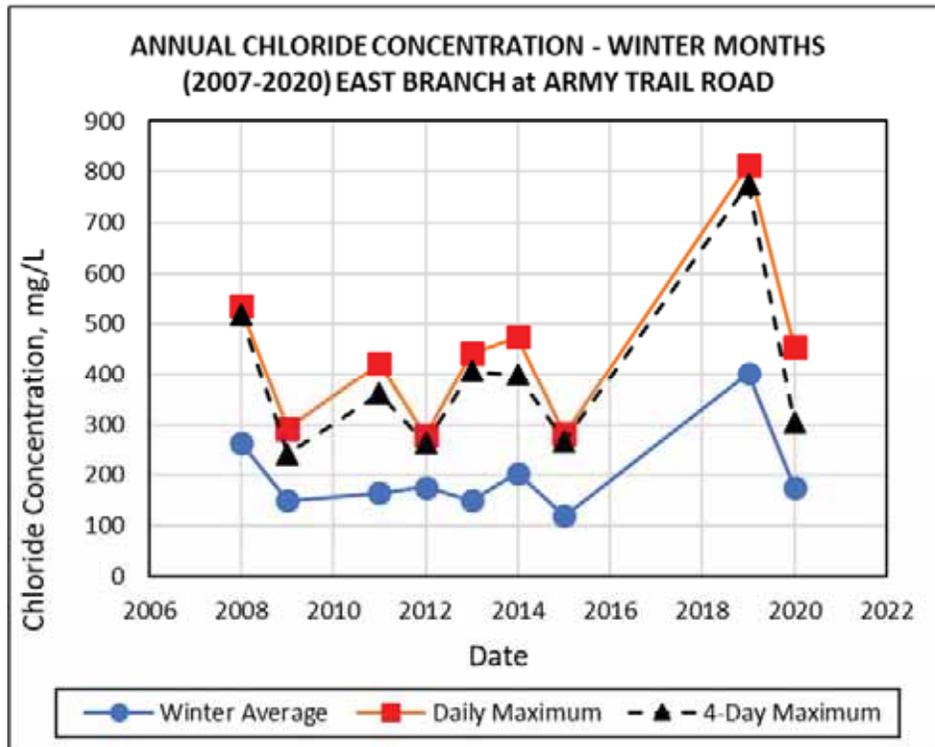
**Figure 7.** Calculated annual chloride concentrations - winter months (2008-2020) for Salt Creek at Busse Woods Main Dam.



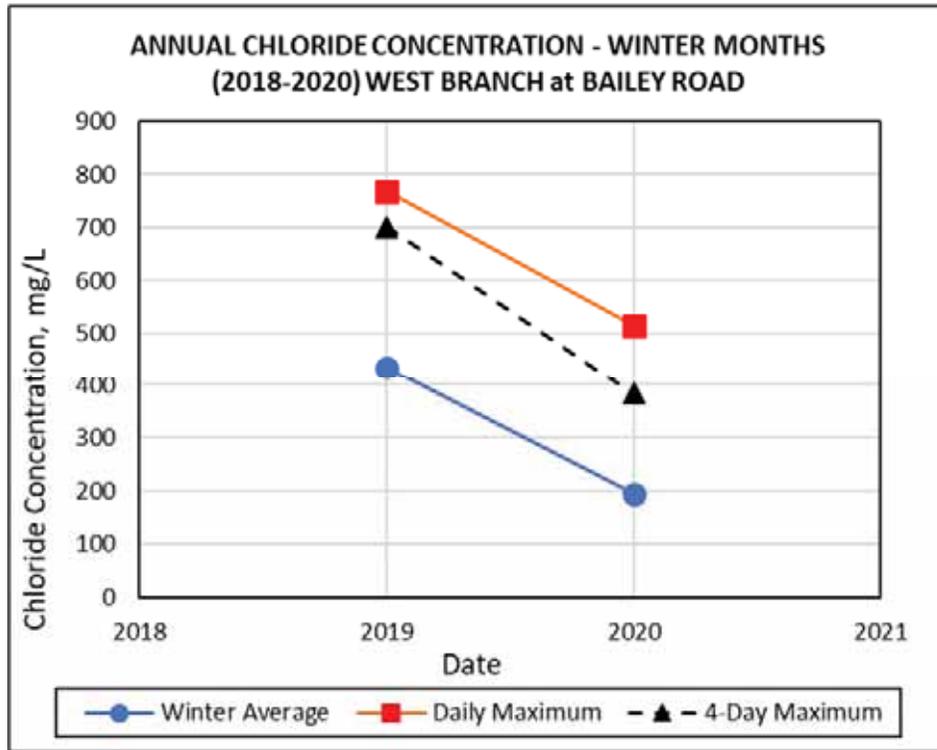
**Figure 8.** Calculated annual chloride concentrations - winter months (2008-2020) for East Branch at Hobson Road.



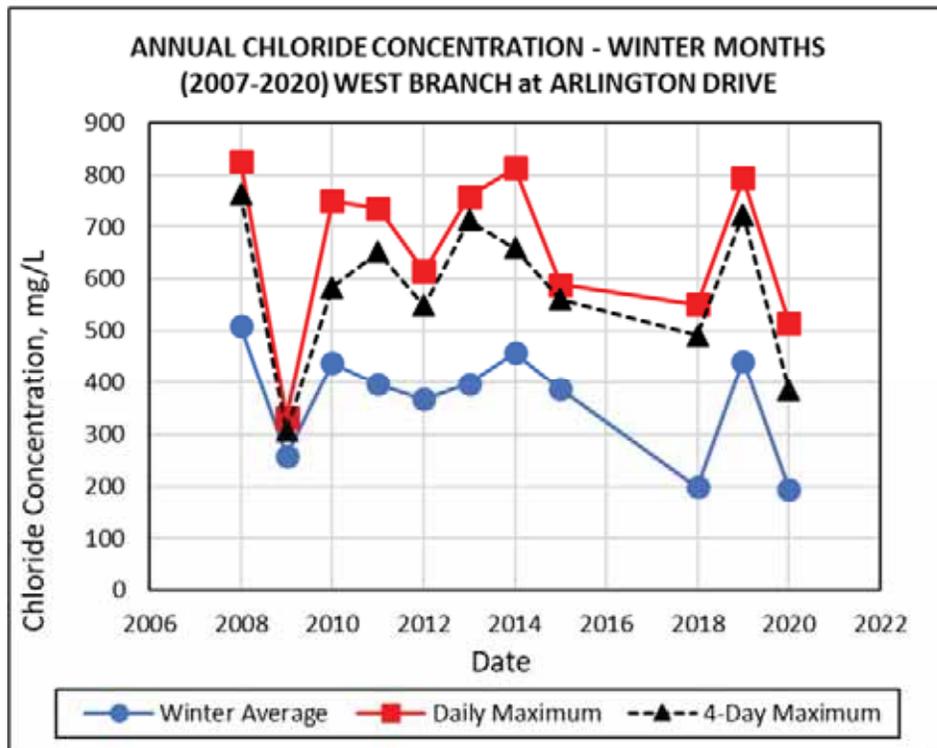
**Figure 9.** Calculated annual chloride concentrations - winter months (2007-2020) for East Branch at Army Trail Road.



**Figure 10.** Calculated annual chloride concentrations - winter months (2018-2020) for West Branch at Bailey Road.



**Figure 11.** Calculated annual chloride concentrations - winter months (2007-2019) for West Branch at Arlington Road.





## Chapter 3 Nutrient Implementation Plan

The Special Condition Paragraph 10 requires NPDES holders in the DRSCW and LDRWC to develop a Nutrient Implementation Plan (NIP) for the watershed that identifies phosphorus input reductions by point source discharges, non-point source discharges and other measures necessary to remove DO and offensive condition impairments and meet the applicable dissolved oxygen criteria in 35 IL Adm. Code 302.206 and the narrative offensive aquatic algae criteria in 35 IL Adm. Code 302.203. Special Condition Paragraph 2 and Special Condition Paragraph 8.c. identify additional studies to be completed by the watershed workgroups. This section summarizes the DRSCW and LDRWC work in 2020/2021 on the studies.

### 3.1 IPS Model /Project Identification Study

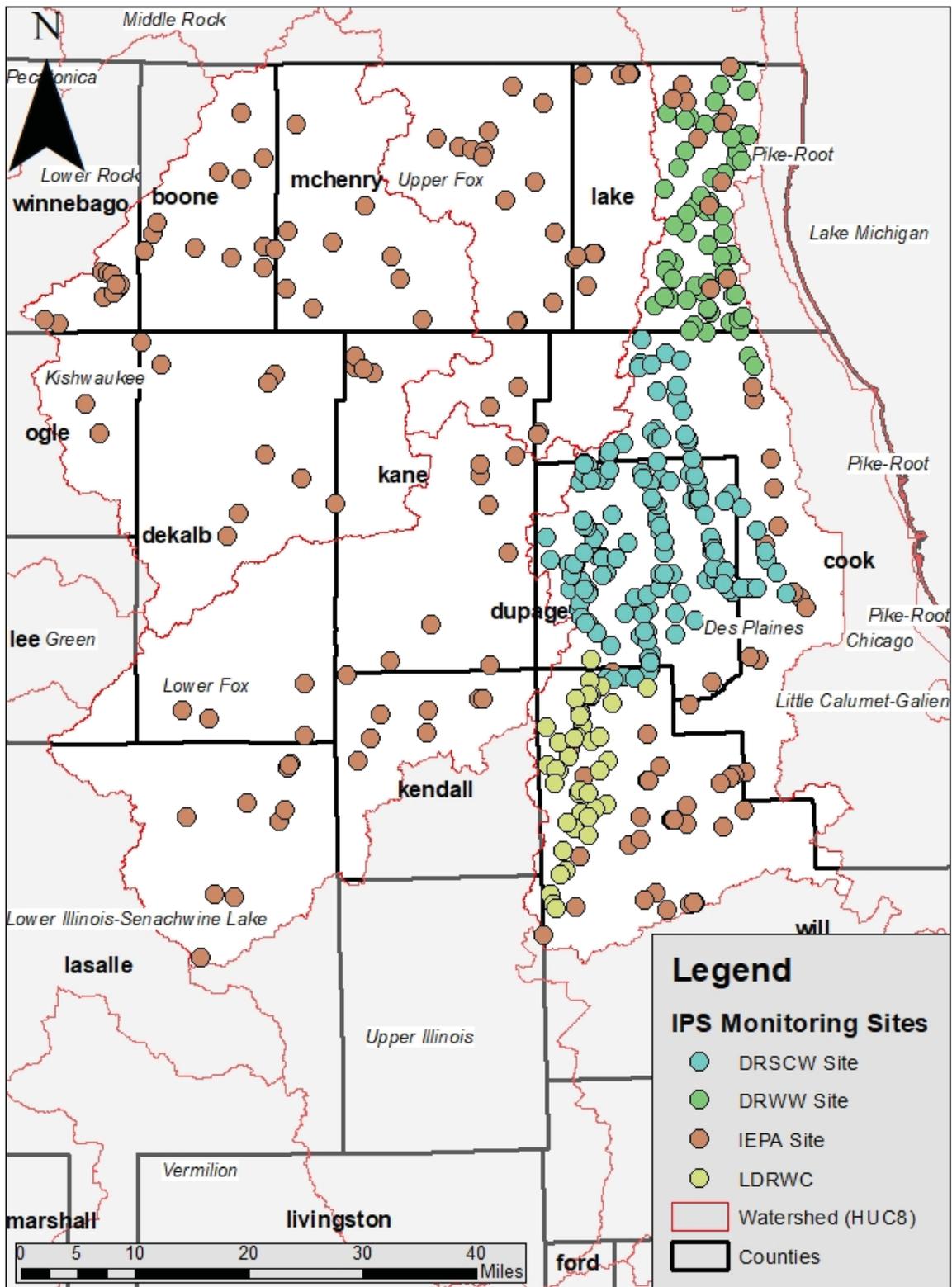
- Special Condition Listed Completion Date – Complete
- Status – Staff is still amending final report and database for release. The methodology, results, database, and a user manual all exist in draft final form and are under review. Due to the potential long-term impacts of some of the IPS model results DRSCW had requested to talk to IEPA about the results. Due to the pandemic this did not occur in 2020. It will be organized for 2021.

#### 3.1.1. Background on the IPS Model and 2019-2020 Project Work

The project's objective is to update the DRSCW's Integrated Prioritization System model (IPS) and develop a new list of prioritized projects for both the DRSCW and LDRWC watersheds. The original IPS Model was developed by the DRSCW with its consultant (MBI) in 2010. The updated model used additional monitoring sites, several years of additional monitoring, updated methodology and updated prioritization methodology.

The IPS is a framework that merges high resolution monitoring data and assessment results with water quality management goals and objectives in order to guide decision-making at regional and local watershed scales. The model is designed to provide accurate quantitative indicators (biological response measures and chemical, habitat and land use stressor measures) and data-driven tools to Watershed groups to guide and inform their surface water restoration and protection efforts. Unlike traditional modelling efforts that tend to focus on very few parameters, the IPS examines many stressor variables including habitat and land use variables; and thus, it provides a comprehensive view and weighting, of the factors potentially limiting aquatic life.

The updated IPS Model geographically covers the watersheds of Northeastern Illinois including the Upper Des Plaines River and tributaries (DuPage River, Salt Creek) in all or parts of DuPage,



Map 5. Spatial distribution and providence of data utilized in the 2020 IPS Update.

Cook, Will, and Lake Counties (Map 5). Data from outlying watersheds including the Kishwaukee River, Kankakee River, and the Fox River were used in order to expand the stressor and response gradients. Data from more than 650 IEPA/IDNR, DRSCW, LDRWC, and Des Plaines River Watershed Workgroup (DRWW) sites draining <350 sq. mi. were used in the analyses. This is a significant expansion over the original IPS 120 sites.

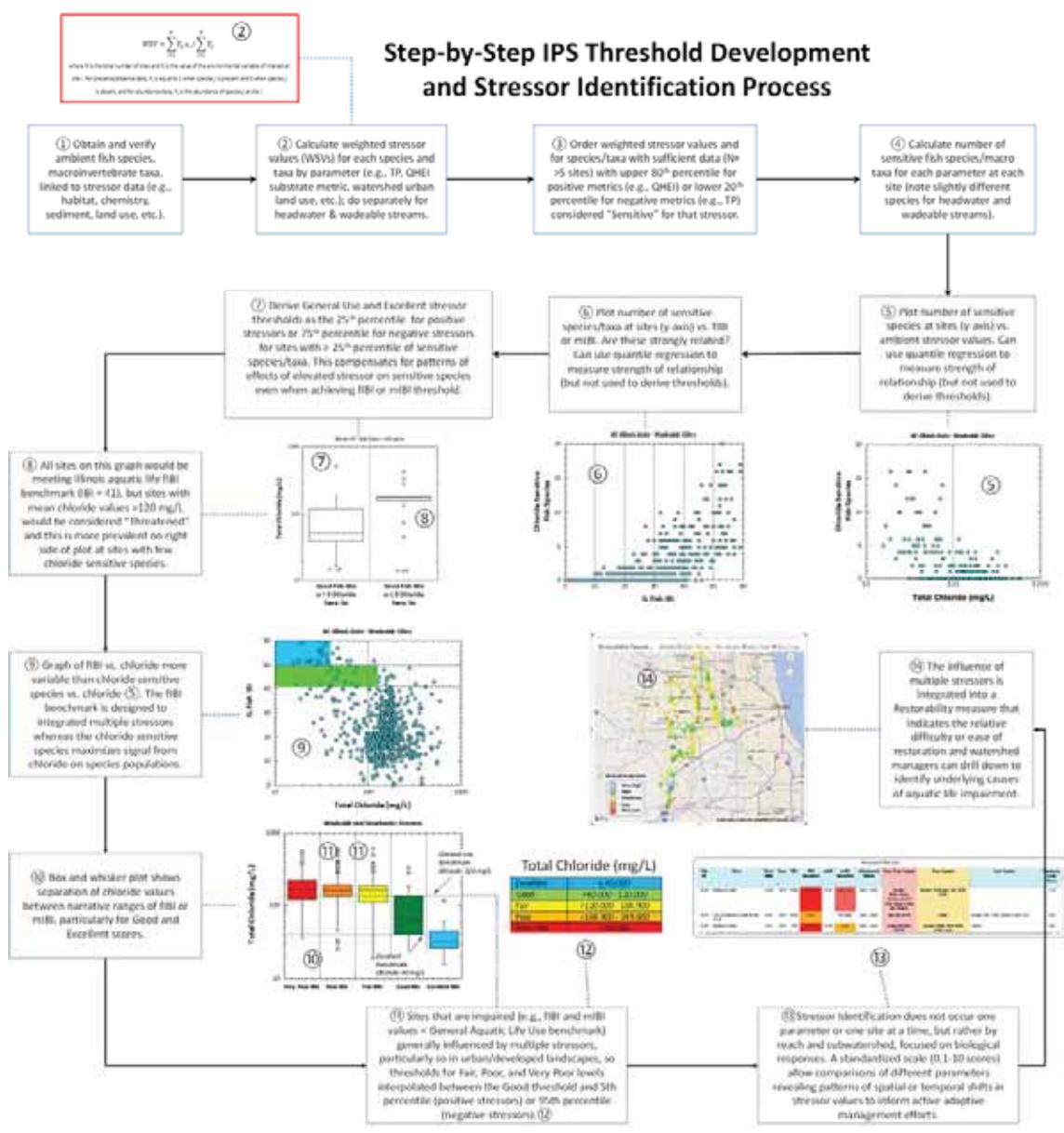
Paired data supplied by these organizations included the dependent variables of fish, macro-invertebrates, habitat, and water chemistry data. Additional stressor variables, notably land use data such as road density, canopy cover, land cover and land use types, were developed and added to the data set. Figure 12 gives a schema showing the step by step approach to reaching the IPS outputs. These steps were covered in detail in the 2019 & 2020 reports.

The IPS Model allows for the derivation of stressor thresholds for each of the explanatory variables. An additional major function of the IPS is to enhance the identification of causes and sources of impairment for rivers identified as impaired aquatic life uses. Given the large number of potential stressors that can affect aquatic life, particularly in urban settings, there is a practical necessity to narrow the stressors down to the most likely limiting factors. Here both FIT analyses and Random Forest regression and classification trees were used to assess the strength of the stressor relationships with the response of the aquatic biota and the most likely causes as a result. There is a need to reduce to the number of likely stressors prior to using these tools, thus the initial analyses using correlation and simple regression and classification trees by stressor category were used to achieve this reduction.

Three types of analyses were used to help identify important causal variables for the IPS

- 1) Correlation analyses and regression and classification tree analyses by stressor category using the entire data set to reduce variables and remove some highly correlated values;
- 2) Derivation of a goodness-of-fit (FIT) statistic to measure the strength of actual vs. predicted associations between parameters and sensitive species/taxa richness;
- 3) On a reduced set of parameters, random forest regression and classification analyses to help discriminate level of variable importance among the reduced set of variables.

The selection of the “strongest” correlates however, does not eliminate the usefulness of multiple stressors to better explain causality of impairments especially when designing management interventions. Categories such as land use and QHEI explain a large amount of the variation in aquatic life but the causal effects can be better understood and addressed by finer resolution understanding of the stressor (elements of QHEI and landscape cover). In



addition, broad scale statistical analyses provide insights into average or prevalent conditions, but this may obscure a site-specific scenario where a different variable is more influential.

Given the large number of environmental and stressor variables amassed in the IPS database, a three-step process was used to identify the best stressor variables for identifying the possible mechanisms causing aquatic life impairments. The process involved:

- A correlation matrix was derived to better reveal which variables are highly correlated.
- Of these, the stressors which were readily measured and that matched conceptual models and other evidence of causal impacts were selected.
- Classification and regression trees were then used to identify the strongest amongst these variables for derivation of FIT scores, random forest regression, and classification analysis.

**Table 9.** *Strongly Correlated Stressors with the highest FIT score (>0.32).*

Stressor	FIT Score
Impervious Land Use (500m)	0.01
QHEI Embeddedness Score	0.03
Urban Land Uses (WS)	0.03
QHEI Overall Score	0.04
QHEI Substrate Score	0.04
QHEI Good Attributes	0.04
Total Phosphorus	0.04
Impervious Land Use (30m)	0.04
Impervious Land Use (30m Clipped)	0.04
Conductivity	0.05
QHEI Channel Score	0.07
QHEI Silt Cover Score	0.07
Developed Land Use (WS)	0.07
Minimum Dissolved Oxygen	0.1
Total Dissolved Solids	0.1
Impervious Land Use (WS)	0.1
Hydro-QHEI Depth Score	0.11
QHEI Poor Habitat Attributes	0.12
Hydro-QHEI Overall Score	0.13

These results should provide the variables that will be the most useful in selecting effective restoration and protection approaches and setting readily measured goals for stressor reduction. Variables with stronger correlations carry more weight in the IPS Restorability scoring. The scores with the best FIT value are summarized in Table 9.

### 3.1.2. Next Steps in IPS Modeling

The consortium of watershed workgroups is currently completing the following steps:

- Continue reviewing and testing the Power BI database and interface;
- Review of nutrient outputs and thresholds with members and IEPA;
- Finalize reviewing the results and editing the user manual and model narrative;
- Incorporating final results into ongoing programs (NIP, physical projects, permit planning);
- Final review of the updated list of priority projects.

## 3.2 QUAL2Kw Updates for East Branch and Salt Creek

- Special Condition Listed Completion Date – December 2023
- Status – On-going. The East Branch DuPage River and Salt Creek QUAL2Kw models were completed in 2020. The West Branch DuPage River and Lower DuPage River are scheduled for 2021. Model scenarios for all four (4) models will be also be completed in 2021.

The DRSCW budgeted \$183,000 for this effort and anticipates expenditures in 2019-2021. Additionally, the LDWRC has budgeted \$68,000 for this effort and anticipates expenditures in 2020-2021. Note: The Special Condition Permit language only requires the update of the existing QUAL2K models for Salt Creek and the East Branch DuPage River. The DRSCW and LDRWC have decided to pursue similar models for the West Branch DuPage River and Lower DuPage River to assist with the development of the NIP.

### 3.2.1. Data Collection

#### *3.2.1.1. Continuous Dissolved Oxygen (DO) Sonde Network*

In 2020, the DRSCW gathered continuous DO data via water quality sondes at three (3) sites on Salt Creek, five (5) sites on the East Branch DuPage River, and four (4) sites on the West Branch DuPage River that will be utilized in the calibration and verification of the updated QUAL2Kw models. The Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) also monitors two (2) additional locations on Salt Creek. Additionally, in 2020, the LDWRC maintained a sonde network of five (5) sondes on the Lower DuPage River. All sondes are deployed from May through October and collected DO, temperature, conductivity, and pH on an hourly basis.

### 3.2.1.2. Expanded Dissolved Oxygen Monitoring Program

In 2019, the DRSCW and LDWRC 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 10 for schedule). Sites sampled in the West Branch DuPage River in 2020 are included in Table 11. Sites in the other basins will be identified prior to the start of sampling for their designated year.

**Table 10.** Schedule for Expanded DO Monitoring.

Basin	Year of Expanded DO Monitoring
East Branch DuPage River	2019
West Branch DuPage River	2020
Salt Creek	2021
Lower DuPage River	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 will be 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 will be analyzed for the constituents listed in Table 12. One (1) benthic algae sample will be collected at each site.

### 3.2.2. QUAL2Kw Modeling

In November 2019, the DRSCW and LDWRC entered into a contract with Tetra Tech to update the existing QUAL2K models for the East Branch DuPage River and Salt Creek and to prepare water quality models for the West Branch DuPage River and the Lower DuPage River. The water quality model selected for all four (4) watersheds was QUAL2Kw. The suite of QUAL models (most recently QUAL2K and QUAL2Kw) is a well-established modeling framework that is appropriate for steady-state (with diel variability) representation of critical condition DO and algal responses in flowing streams and run-of-river impoundments. The QUAL2Kw model improves upon the QUAL2K model in several ways, such as including hyporheic and surface transient storage zones and kinetics, variable options related to simulating sediment

diagenesis, enhanced phytoplankton and bottom algae simulation and parameterization, options for a continuous dynamic modeling periods, and the built-in feature for automatic calibration using an algorithm for parameter optimization 1. However, unlike QUAL2K, QUAL2Kw does not allow for multiple headwaters or branching. Transitioning an existing steady state QUAL2K model into the dynamic continuous QUAL2Kw environment would allow for more accurate simulation of existing conditions through the DuPage River and Salt Creek watersheds.

**Table 11.** Sites Monitored as Part of the Expanded DO Monitoring Program.

Site Code	Site Name/Description	Latitude	Longitude
WB03	Upstream intersection of Joliet Street and Wilson Street	41.85663055	-88.2046
WB08	Knoch Knolls Park, Naperville	41.71213206	-88.14164968
WB11	Upstream of 2nd Bridge in WSD	41.84709267	-88.14121034
WB13	Adjacent to Liberty Street	41.86807845	-88.1569965
WB16	Upstream of Pedestrian Bridge in Klein Creek Farm	41.89616307	-88.1546693
WB19	Armstrong Park	41.91955794	-88.13045071
WB24	Downstream MWRDGC Hanover Park WWTP	41.99967181	-88.13621986
WB25	Upstream from Braintree Drive	42.0115085	-88.11083
WB26	Adjacent to Shaffner Rd.	41.84403109	-88.1467
WB27	Immediately downstream from County Farm Rd	41.9662973	-88.15337574
WB28	Immediately downstream from County Farm Rd	41.9653305	-88.167028
WB33	Immediately upstream from Great Western Trail	41.90528244	-88.17830798
WB34	Downstream from Garys Mill Rd	41.85798159	-88.19371109
WB35	Adjacent to Washington Street at Pioneer Park	41.75401377	-88.13389986
WB36	McDowell Grove; 1500 ft down trail from parking lot	41.79042673	-88.18267134
WB39	Immediately upstream from St. Charles Rd	41.91271345	-88.17972281

**Table 12.** 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)	

**Task 1: Review of Existing and Identification of Data Needs**

As part of Task 1, all available data was reviewed and considered for use in the development of the QUAL2Kw model for each watershed. Available data included flow, water quality, and sediment oxygen demand monitoring data, past DO improvement feasibility studies, wastewater discharge data, dams, and relevant hydraulic and watershed models. Data utilized to inform the development and calibration of the DuPage River and Salt Creek QUAL2Kw models is included in Table 13.

**Table 13. Data Utilized in the Development of the QUAL2Kw Models for the DuPage River and Salt Creek Watersheds.**

<b>Component</b>	<b>Data Source</b>	<b>Approach</b>
Boundary Inflows	United States Geological Society (USGS) sites	Spatially disaggregated USGS streamflow based on catchments delineated for each model segment.
Boundary Water Quality	DRSCW and LDRWC available water quality monitoring records (sondes and grab sites) for tributary sites and headwaters	Aggregated to develop spatially-varied hourly input time series for each model segment.
Hydraulics	DuPage County FEQ Models, HEC-RAS Models provided by the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) and US Army Corps of Engineers (ACOE)	Channel geometry (e.g. bank slopes, bottom width) to be extruded from provided models; develop rating curves from steady-state QUAL2Kw runs, calibrated with USGS field measurements
Meteorology	North American Land Data Assimilation System (NLDAS-2); National Center for Environmental Prediction (NCEP) North American Regional Reanalysis (NARR)	Gridded NLDAS-2 data for air temperature, dew point temperature, wind speed, and solar radiation; NARR for cloud cover; shade based on aerial imagery and calibration tests.
NPDES Point Sources	Illinois Environmental Protection Agency (IEPA) monthly DMR data for facilities that discharge directly to mainstems	Developed hourly input series by facility/outfall, gap filled missing water quality records.
Sediment Oxygen Demand (SOD)	SOD Monitoring records	Applied and calibrated based on 2007 reconnaissance study records.

Additionally, as part of this Task, the mainstem extent of each of the four (4) study streams were divided into a series of longitudinal model segments. In QUAL2Kw, segments are represented as one-dimensional, vertically and laterally fully mixed segments. Each segment is represented with uniform hydraulic characteristics, boundary conditions (e.g., cloud cover), and parameterization for non-global model parameters (e.g., bottom algae coverage). Several

features, including the locations of dams (including flow-through structures) and associated impoundments, tributaries, point source discharges, water quality monitoring sites, and USGS flow gages, informed the development of the reach segmentation. The QUAL2Kw Model Segmentation Memorandums for each of the four (4) rivers is included in Attachment 6. Task 1 was completed in 2020.

Task 2A: Model Re-Calibration/Re-Validation for Salt Creek and East Branch DuPage Rivers

The QUAL2Kw model for the East Branch DuPage River and Salt Creek were calibrated to observed data for channel hydro-geometry, water temperature, DO, algae, nutrients, and CBOD. Although DO is the main response variable of interest, it is important that instream processes influencing DO are also representative of conditions in the river. Some key kinetics relevant to DO simulated in QUAL2Kw are SOD, reaeration at the air-water interface, temperature impacts on oxygen solubility, decay of oxygen-demanding substances (e.g., CBOD), oxygen demanding chemical transformations (e.g., nitrification), and benthic algae and free-floating phytoplankton photosynthesis and respiration.

Measurements are available for some hydraulic and water quality variables, such as chlorophyll-a concentrations for phytoplankton, at discrete locations along the river. For variables that lacked observations, the model was parameterized and calibrated based on values, rates, and concentrations in the literature (e.g., reaeration, CBOD decay rates, phytoplankton and benthic algae growth and death rates, kinetics associated with nutrients) and through interpretation of available evidence, such as use of the observed DO diel range to inform algal respiration parameterization.

**East Branch DuPage River Results**

The East Branch DuPage River model was developed to simulate calendar year 2019 and sites with the most expansive datasets from the 2019 sampling effort were selected as key calibration locations (Table 14).

*Table 14. East Branch DuPage River Key Model Calibration Locations.*

QUAL2Kw Reach Description	Model Reach	Monitoring Site ID
Churchill Lake	6	EBCB
Gabion Weir to Butterfield Road	10	EB30
I88 to Maple Avenue/Lisle Levee	13	EB31
Royce Road to Whalon Lake	16	EB34
East Branch DuPage River near confluence with West Branch	20	EB41

Available monitoring records were used to calibrate hydro-geometry, water temperature, nutrients, dissolved oxygen, and algae along the mainstem. Predicted water temperature closely matches continuous observations collected during warm weather at multiple sites. Simulated phytoplankton concentrations as chlorophyll-a are similar to observations, generally ranging between 1 to 15 µg/L. The model is biased high in terms of phytoplankton as chlorophyll a at Reach 13 (EB31); it, however, exhibits low bias at the other calibration locations. No benthic algae data were available for calibration; thus, benthic algae dynamics were adjusted based on dissolved oxygen patterns (i.e., diel ranges, in part due to algal photosynthesis and respiration). Dissolved oxygen is the primary endpoint of this study. Relative errors on daily mean and daily minimum DO are lowest at Reach 10, 13, and 30, indicating good model performance at these locations, which served as three of the five primary water quality calibration sites for the QUAL2Kw model. The model overestimates mean daily and daily minimum DO at Churchill Lake. This is in part due to differences in spatial scale because the monitoring reflects a point-in-space locations whereas QUAL2Kw provides predictions at the larger reach scale. Overall, the model calibration was successful, and the model is suitable for supporting future planning and management efforts, including simulation of dissolved oxygen improvement scenarios.

Figures 13 to 17 are representative calibration plots for the East Branch DuPage River model. All calibration plots will be included the final project report (scheduled for 2021).

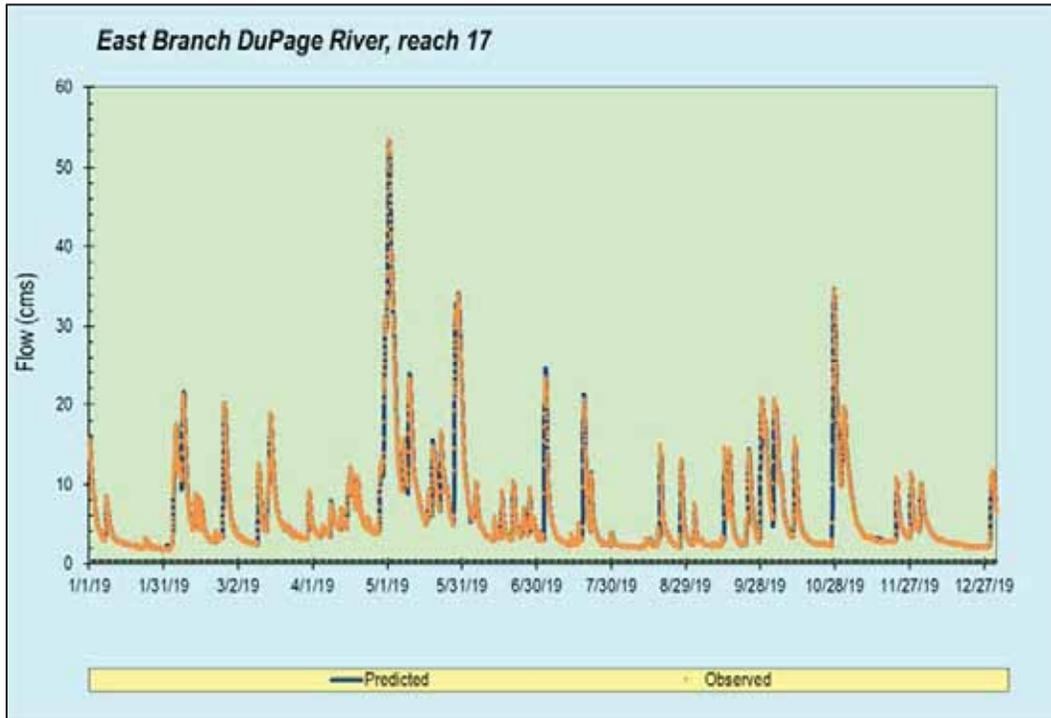
### Salt Creek Results

The Salt Creek model was developed to simulate calendar year 2016 and sites with the most expansive datasets from the 2016 sampling effort were selected as key calibration locations (Table 15).

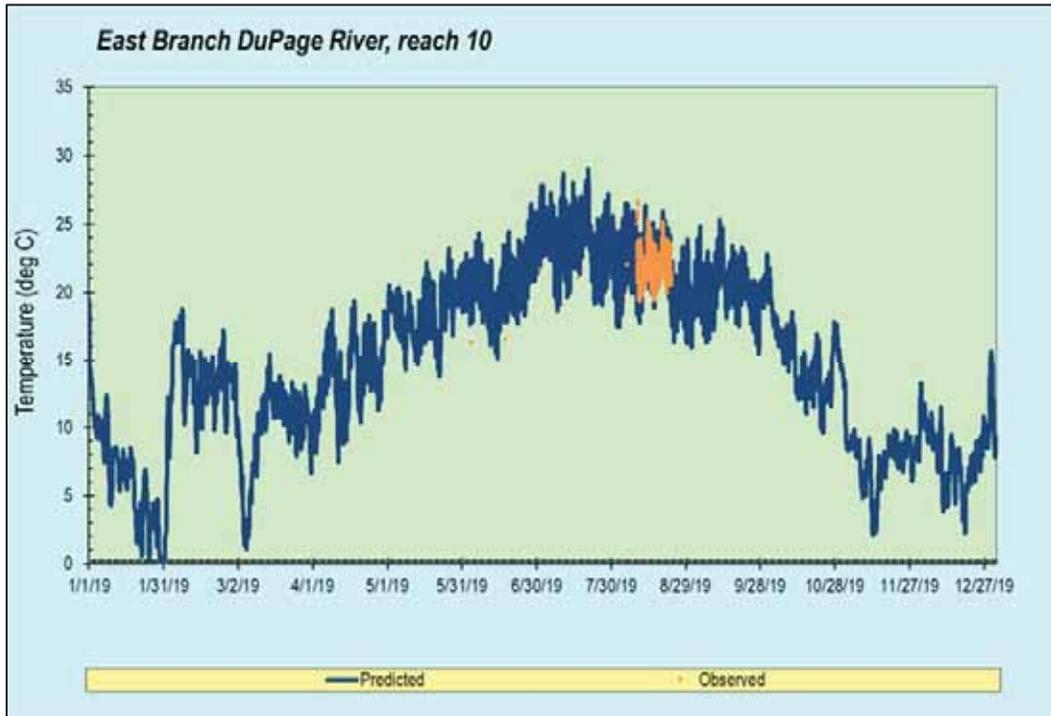
**Table 15.** Salt Creek Key Model Calibration Locations.

Calibration Parameter	Model Reach	Site ID	Monitoring Site Description
Hydro-geometry	6	USGS05531300	Salt Creek near Elmhurst
	16	USGS05531500	Salt Creek at Western Springs
Water Temperature & DO	7	SCBR	Salt Creek at Butterfield Road
	12	SCFW	Salt Creek at Fullersburg Woods
	16	SCWR	Salt Creek at Wolf Road
Nutrients	3	SC23	Salt Creek at Eisenhower Expressway
	12	SC53	Salt Creek upstream of Graue Mill Dam
	14	SC52	Salt Creek downstream of Graue Mill Dam

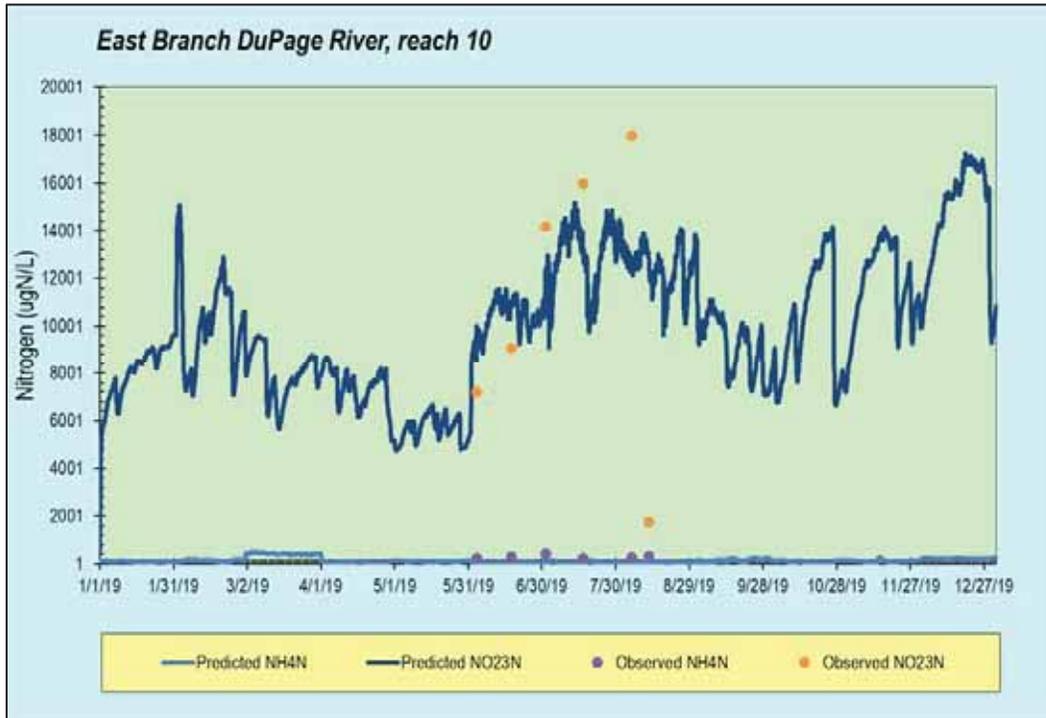
**Figure 13.** East Branch DuPage River Simulated and Observed Streamflow (cms) at Reach 17 (USGS 05540250).



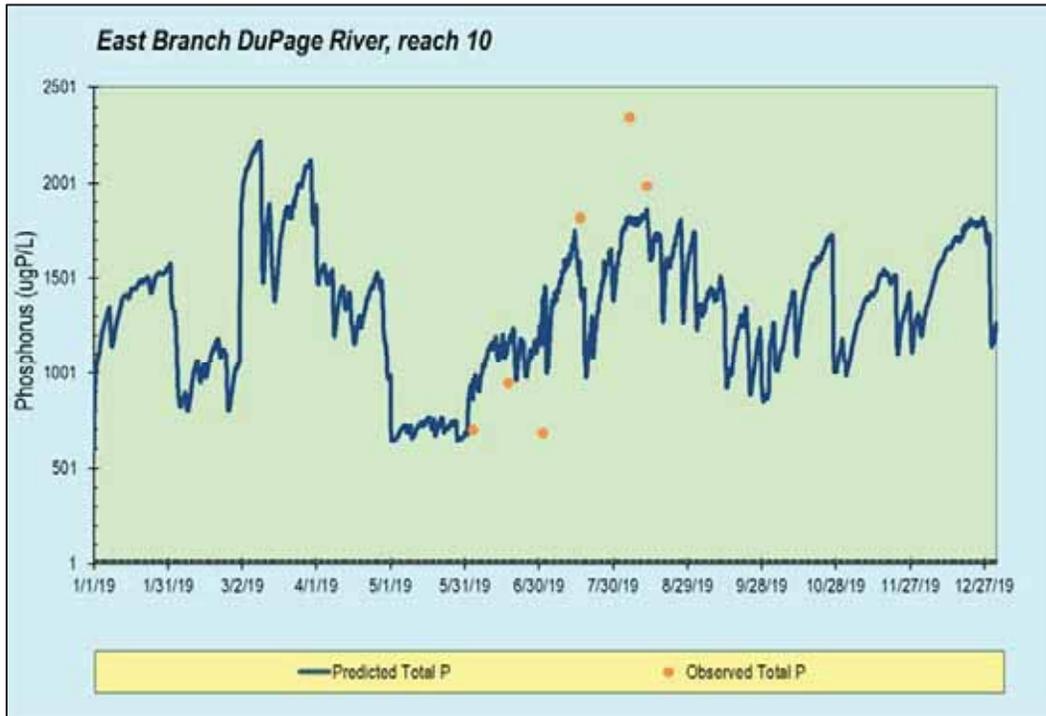
**Figure 14.** East Branch DuPage River Simulated and Observed Water Temperature (°C) at Reach 10 (EB30).



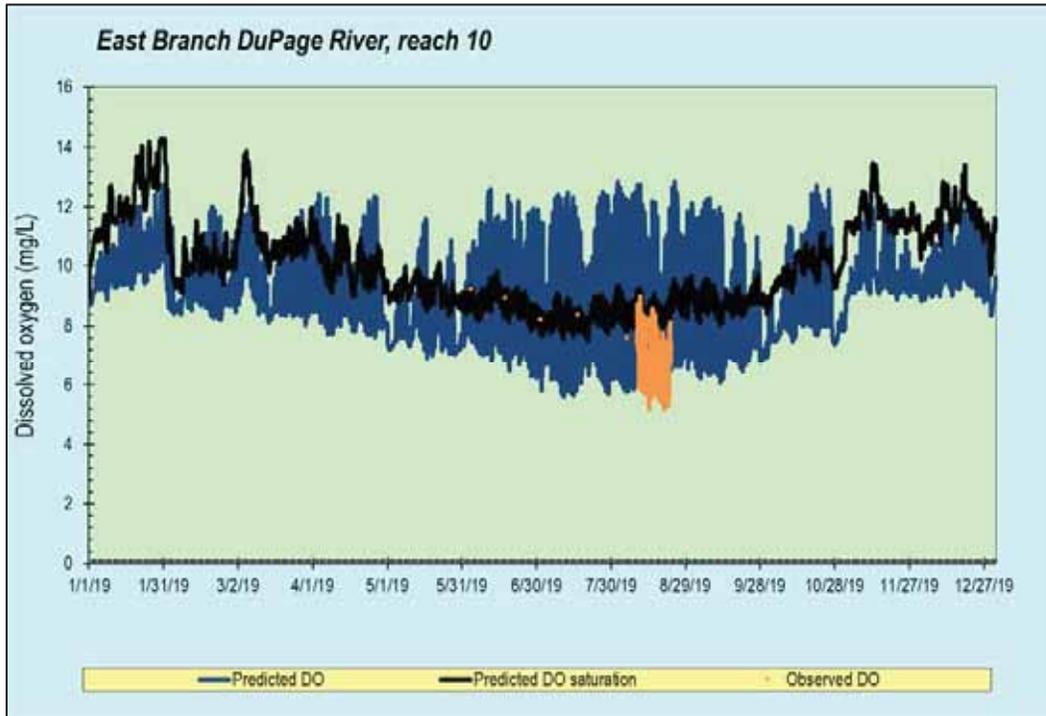
**Figure 15.** East Branch DuPage River Simulated and Observed Nitrogen Species ( $\mu\text{g/L}$ ) at Reach 10 (EB30).



**Figure 16.** East Branch DuPage River Simulated and Observed Total Phosphorus ( $\mu\text{g/L}$ ) at Reach 10 (EB30).



**Figure 17.** East Branch DuPage River Simulated and Observed Dissolved Oxygen (mg/L) at Reach 10 (EB30).



The QUAL2Kw model for Salt Creek was developed to simulate calendar year 2016. Available monitoring records were used to calibrate hydro-geometry, water temperature, nutrients, and dissolved oxygen along the mainstem. Predicted water temperature closely matches continuous observations at the majority of sites. The model predicts nitrogen species reasonably well, although it is biased high near the outlet of Busse Woods dam. The model is biased low in terms of total phosphorus; however, there is no phosphorus speciation data to help diagnose this uncertainty. No benthic algae and only limited non-growing-season chlorophyll a data was available for calibration; thus, biological kinetics were adjusted based largely on observed dissolved oxygen patterns (i.e., diel ranges, in part due to photosynthesis and respiration). Dissolved oxygen is the primary endpoint of this study. Relative errors on daily mean and daily minimum DO are lowest at Reach 7, 12, and 16, indicating good model performance at these locations. Overall, the model calibration was successful, and the model is suitable for supporting future planning and management efforts, including simulation of dissolved oxygen improvement scenarios.

Figures 18 to 22 are representative calibration plots for the Salt Creek model. All calibration plots will be included the final project report (scheduled for 2021).

Figure 18. Salt Creek Simulated and Observed Streamflow (cms) at Reach 16 (USGS 05531500).

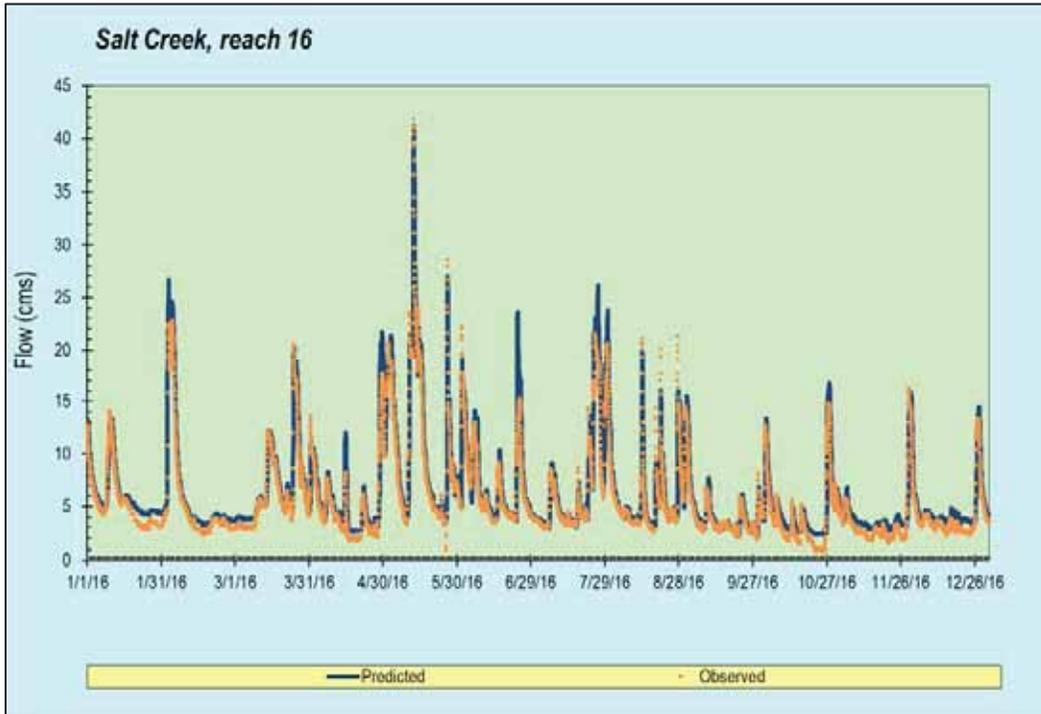


Figure 19. Salt Creek Simulated and Observed Water Temperature (°C) at Reach 16 (SCWR).

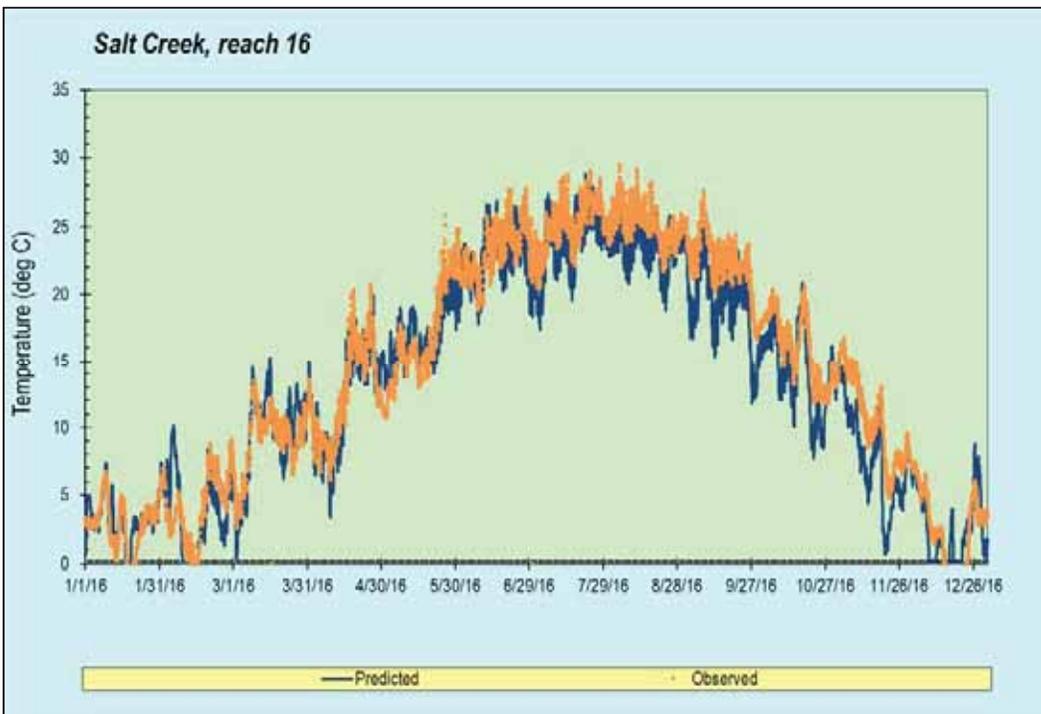


Figure 20. Salt Creek Simulated and Observed Nitrogen Species ( $\mu\text{g/L}$ ) at Reach 12(SCGD).

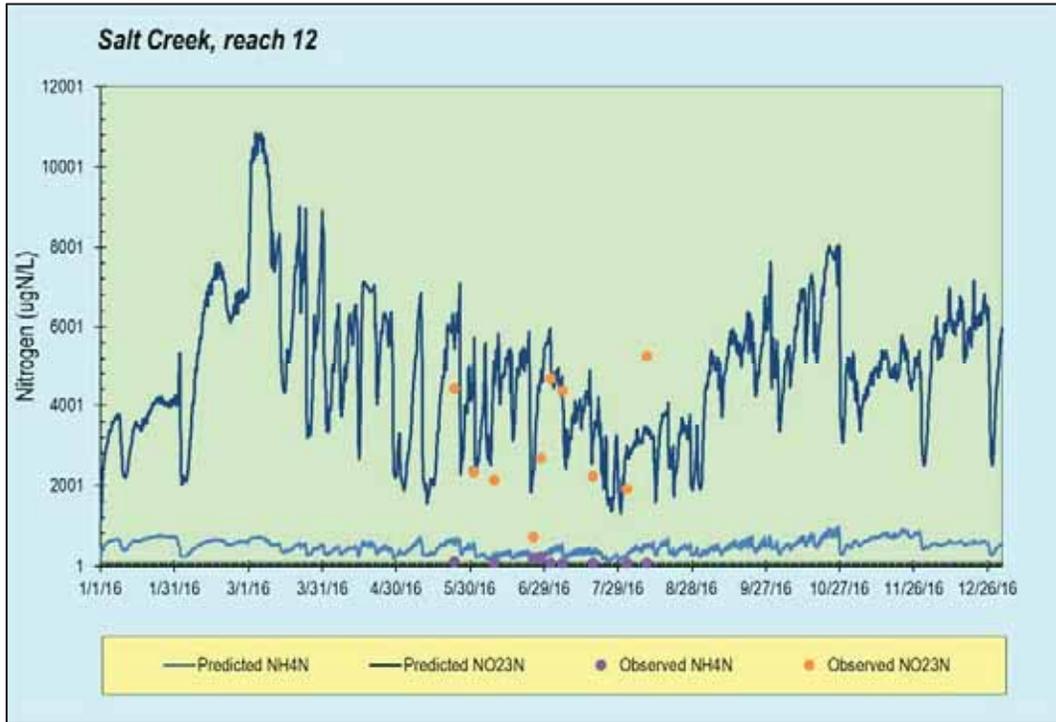
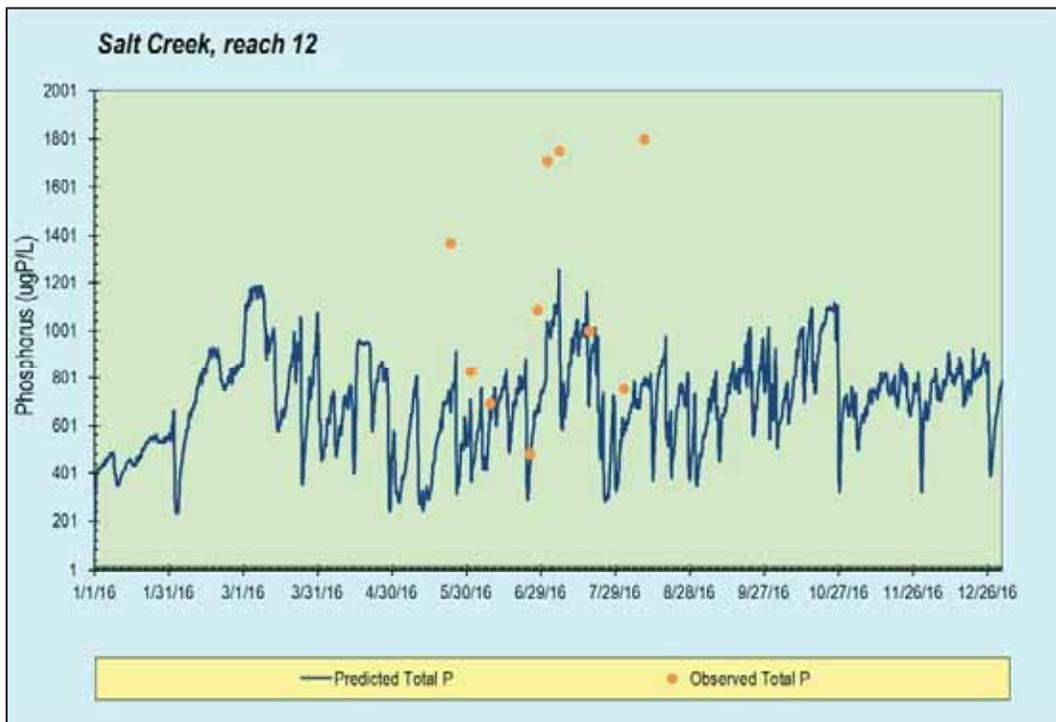
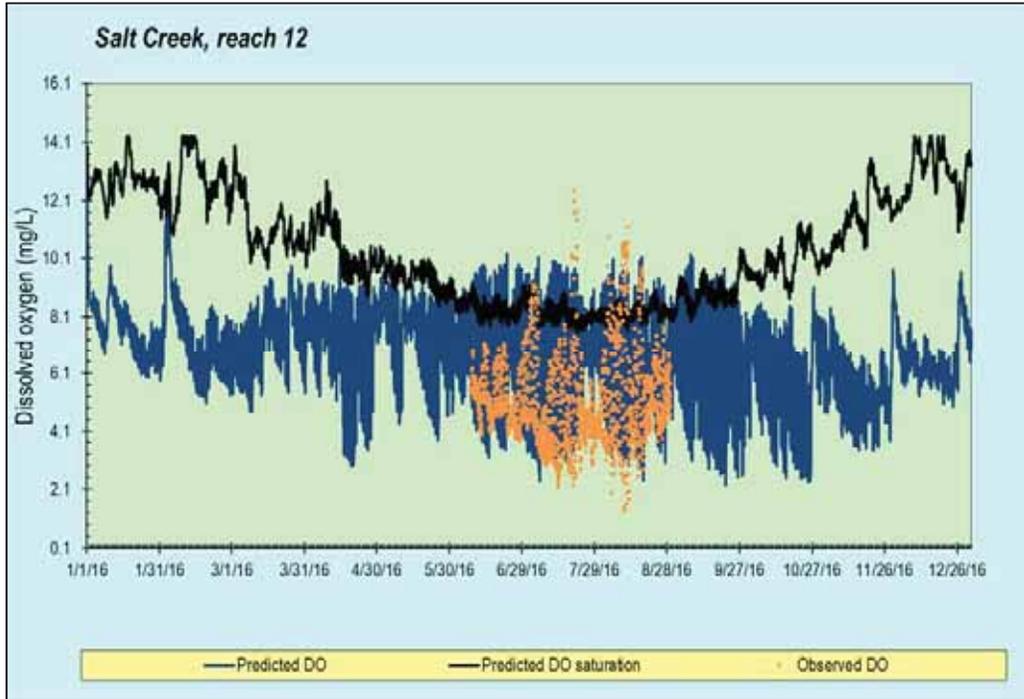


Figure 21. Salt Creek Simulated and Observed Total Phosphorus ( $\mu\text{g/L}$ ) at Reach 12 (SCGD).



**Figure 22.** Salt Creek Simulated and Observed Dissolved Oxygen (mg/L) at Reach 12 (SCGD).



Task 2B: Model Development, Calibration, and Validation for West Branch DuPage River and Lower DuPage River

Task 2B will be conducted for the West Branch DuPage River and Lower DuPage River watersheds in 2021.

Task 3: Sensitivity Analysis

**East Branch DuPage River**

The calibrated QUAL2Kw model for East Branch DuPage River was used to examine the sensitivity of DO levels to various stressors or altered conditions. Sensitivity was evaluated as the simulated change in minimum DO concentration between March – July at the downstream end of the East Branch DuPage River above the confluence with West Branch DuPage River. This metric was selected because it is consistent with Illinois water quality standards, which specify that DO is to be above 5.0 mg/L at any time during these months.

Multiple factors influence minimum DO, including the temperature that alters oxygen solubility in the water column as well as algal respiration, SOD, and other biogeochemical processes. Based on the QUAL2Kw model sensitivity analyses for the East Branch DuPage River, an increase in DO levels in boundary waters (i.e., headwater, tributary, and diffuse inflows) was predicted to have the greatest impact on raising the instream minimum DO concentration

relative to the other parameters tested. Minimum DO was also relatively sensitive to changes in SOD, algae presence, and stream shading. Minimum DO was less sensitive to changes in nutrients and air temperature. It is important to note, however, that nutrients may be above saturation to support algal growth in the river, thus, the response to nutrient reductions may be minimal until a critical threshold that hinders algal growth is achieved (i.e., the relationship is not linear as implied by a leverage analysis), particularly for bioavailable inorganic forms of nutrients. Additionally, long-term changes in nutrient fluxes to the stream may have synergistic impacts on the stream which cannot be captured, such as changes to long-term average SOD due to changes in sediment accumulation of organic matter.

### **Salt Creek**

Similar to the East Branch DuPage River model, the calibrated Salt Creek QUAL2Kw was used to examine the sensitivity of DO levels to various stressors or altered conditions. Based on the Salt Creek QUAL2Kw model sensitivity analyses, an increase in flow in boundary waters (i.e., headwater, tributary, and diffuse inflows) was predicted to have the greatest impact on raising the instream minimum DO concentration relative to the other parameters tested. This is expected as increasing and decreasing flows has an additive impact of increasing loads of associated water chemistry parameters. Minimum DO was also relatively sensitive to changes in algae presence and SOD. Minimum DO was less sensitive to changes in nutrients, air temperature, and shading. It is important to note, however, that nutrients may be above saturation to support algal growth in the river, thus, the response to nutrient reductions may be minimal until a critical threshold that hinders algal growth is achieved (i.e., the relationship is not linear as implied by a leverage analysis), particularly for bioavailable inorganic forms of nutrients. Additionally, long-term changes in nutrient fluxes to the stream may have synergistic impacts on the stream which cannot be captured, such as changes to long-term average SOD due to changes in sediment accumulation of organic matter. In general, however, the model was more sensitive to changes in nitrogen than phosphorus, perhaps due to model performance being biased low relative to total phosphorus concentrations.

### **West Branch DuPage River and Lower DuPage River**

Sensitivity Analysis for the Lower DuPage River, and West Branch DuPage River models will be conducted in early 2021.

### Task 4: Model Scenarios

The Scope of Work for Task 4 was detailed in the 2019 Annual Report. Task 4 will be completed for all four (4) watersheds in 2021.

### 3.3 NPS Phosphorus Feasibility Analysis

- Special Cond Special Condition Listed Completion Date – December 2021
- Status – In planning

The DRSCW and LDRWC budgeted \$183,610 for this effort and anticipates the majority of the expenditures in 2020-2021.

#### 3.3.1. Consultant Roundtable

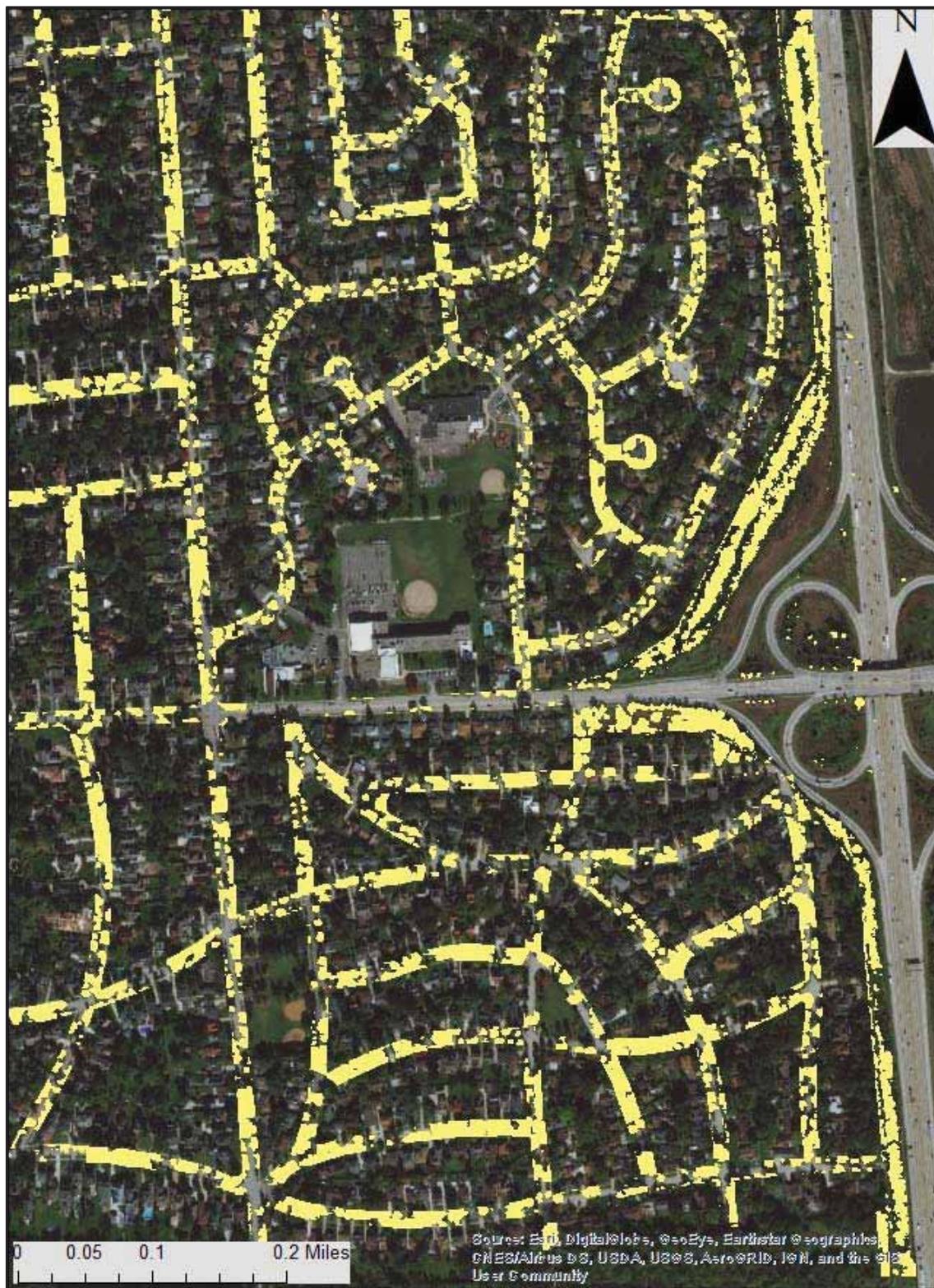
Details on the 2018 Consultant Roundtable were included in the 2019 Annual Report.

#### 3.3.2. Evaluation of Leaf Removal as a Means to Reduce Nutrient Concentrations and Loads in Urban Stormwater

Details on the work conducted by William Selbig with the United States Geological Survey (USGS) and sponsored by the DRSCW was included in the 2019 Annual Report.

#### 3.3.3. Leaf Litter, Street Sweeping, and Stormwater Sewer Inlet Survey / NPS Phosphorus Management

In an effort to calculate the probable distribution of leaf litter mass on roads the DRSCW developed a spatial file showing the current distribution of tree canopy overhanging roadways. Canopy coverage for the project area was generated using the tree canopy class of the high-resolution land cover data set for the Chicago region Spatial Analysis Laboratory (SAL) of the University of Vermont. The data set covers a total of 10 counties: Cook County, DuPage County, Kane County, Kendall County, Lake County (IL), McHenry County, Will County, Lake County (IN), LaPorte County and Porter County, providing complete coverage of the project area. The high-resolution dataset was created using imagery, LiDAR, and ancillary vector data sets to populate an object-based image analysis system supported by tens of thousands of manual corrections. Road data was created from county level Right Of Way (ROW) data. ROW data, originally collected for the IPS project (see Chapter 3.1), was supplied by Cook and DuPage County and was verified against recent imagery. ROW data for Will County was generated using aerial imagery. The ROW files were then merged and used to clip the canopy layer (see Plate 15). The final GIS file (developed pro bono by V3 Companies) contains data on the tree canopy overlying the ROW within the whole of the program area. Using the GIS file, the significant percentage of canopy by total roadway area, by watershed area and by management agency can be calculated in Cook, DuPage, and Will Counties. This provides the basis for a relative weighting of how much phosphorous from leaf litter could potentially make its way into receiving streams. Table 16 is an output from the final GIS file and lists percent of the ROW that has canopy cover by watershed.



*Plate 15. Example of the GIS output of the merged and clipped canopy and ROW layers.*

**Table 16.** Output from the Canopy ROW spatial file showing the percentage of total ROW area that has canopy area.

HUC 12 Watershed	Percent ROW with Canopy Cover
Addison Creek	24.7
Du Page River	13.3
East Branch Du Page River	26.9
Headwaters East Branch Du Page River	24.6
Lily Cache Creek	12.5
Lower Salt Creek	33.1
Lower West Branch Du Page River	20.1
Middle Du Page River	8.8
Middle Salt Creek	19.8
Middle West Branch Du Page River	18.3
Rock Run-Illinois and Michigan Canal	14.0
Spring Brook-Du Page River	10.4
Upper Salt Creek	26.5
Upper West Branch Du Page River	24.4

A second part of the study is reviewing the current level of practice and management of leaf litter. A survey has been created to collect information on the current practices involving leaf litter collection within the project area. This survey was developed from a similar leaf litter collection survey that was distributed in Wisconsin, as well as a street sweeping questionnaire distributed by DCSM. The draft survey is hosted by the website JotForm which provides tools to make the form, a link to distribute it, and a secondary location to store results. In addition to the survey, the DRSCW and LDRWC hopes to receive copies of relevant leaf collection, street sweeping, and catch basin contracts to better understand how they operate. A draft of the survey is attached in the Attachment 7.

The survey is scheduled to be issued in April 2021.

### 3.4 Development of a Basin Wide Nutrient Trading Program

Special Condition 8.c. allows the DRSCW/LDWRC to develop and implement a trading program for the POTWs in the DuPage River and Salt Creek watersheds. The nutrient trading program will allow for the re-allocation of phosphorus loadings between two or more POTWs in the DuPage River and Salt Creek watersheds as long as the following two conditions are met:

- The trade allocated loadings will not exceed the anticipated loading from the uniform application of the applicable 1.0 mg/L monthly average effluent limitation among the POTW permits in the DRSCW watersheds; and

- The trade allocated loadings also remove DO and offensive condition impairments and meet the applicable dissolved oxygen criteria in 35 IL Adm. Code 302.206 and the narrative offensive aquatic algae criteria in 35 IL Adm. Code 302.203.

Special Condition 8.c. also allows for the implementation of the nutrient trading program within the 10-year permit cycle by allowing the IEPA to modify the NPDES permits if the nutrient trading program meets the criteria detailed above.

Estimated date of completion for the basin wide nutrient trading program is FY 2021-2022.

Brief descriptions are described below of the project's original scope of work, the work completed between April 1, 2020 and March 31, 2021 by Task, and recommended modifications to the project's scope to reflect shifting priorities.

Task 1: Project Kick-off and Schedule Analysis

This task was completed in 2017 and discussed in the 2017 Annual Report.

Task 2. Develop POTW Data Collection Checklist

This task was completed in 2017 and discussed in the 2017 Annual Report.

Task 3: Analyze and Define Eligibility Criteria

Eligibility criteria determine when, where, and what point and nonpoint sources are allowed to trade through the nutrient trading framework. This task will focus on analyzing and defining eligibility criteria for participating in trading, specifically baselines, geographic trading boundaries, and habitat project eligibility. In 2019-2020, work on eligibility criteria shifted away from point-to-point source trading among WWTPs due to ongoing discussions related to nutrient criteria and permit limits. Instead, this task has focused on the discussions and analysis related to stream restoration credits and equivalency factors, initiated under Task 5 in 2018.

Task 4: Analyze POTW Data and Fill Data Gaps

This task is complete and is discussed in the 2019 Annual Report.

Task 5: Develop/Analyze POTW Nutrient Reduction Costs

As discussed in the 2019 Annual Report, this Task remains on hold due to ongoing discussions about nutrient criteria and permit limits.

### Task 6: Evaluate PS-NPS and Stream Restoration Trading

As part of the DRSCW and LDRWC's efforts to meet negotiated permit requirements and provide an opportunity to achieve future permitting relief, the watershed workgroups are examining the potential for offsetting nutrient reductions by incentivizing stream restoration projects implemented by the POTWs. These include projects identified by the Identification and Prioritization System (IPS) Model (Section 3.1) that go above and beyond those currently listed in the Special Conditions Paragraph 2 of NPDES permits. The 2018 Annual Report described the preliminary analysis and conceptual approaches to stream restoration crediting efforts, programs, and methodologies used in other watersheds captured by the project team in a technical memorandum. In 2019, work focused on developing a potential approach and analysis questions for developing a stream restoration crediting equivalency factor that could use DRSCW's IPS Model.

In late Summer 2020, Midwest Biodiversity Institute (MBI) completed their work on the DRSCW's IPS Model. The final version of the IPS Model was then shared with the Trading Consultant Team for a comprehensive review of its feasibility in assisting with the developing stream restoration credits. Following their initial review, two meetings (November 20, 2020 and December 10, 2020) were held between DRSCW staff, MBI, and the Trading Consultant Team to further discuss the IPS model and its applicability to stream restoration crediting.

Following these discussions, in January 2021, the Trading Consultant Team recommended a revised set of tasks needed to complete the development of the stream restoration benefits quantification approach.

### Task 6A: Analyze Existing Stream Restoration TP Crediting Methodologies

Under this Task, the Trading Consultant Team will conduct an analysis of the newly updated Chesapeake Bay stream restoration protocols, WEF Stream Restoration as a BMP: Crediting Guidance, and select others to identify phosphorus crediting methodologies that are applicable for use by DRSCW for stream restoration benefits quantification. The Trading Consultant Team will create an applicability memorandum for the methodologies associated with each of the stream restoration practices. The Trading Consultant Team will also conduct a rough estimate of expected credits from an existing stream restoration project using the unmodified credit methodology to determine a general quantification of phosphorus reduction benefit associated with this approach. This will allow DRSCW to determine if modification of the existing credit methodology to quantify phosphorus reduction benefits would be a beneficial future effort for DRSCW stream restoration projects.

### Task 6B: Research and Develop an Innovative Stream Restoration Benefits Quantification Approach Based On In-Stream Habitat (e.g., QHEI) and/or Other Important Stream Quality Indicators

Under this Task, the Trading Consultant Team will take a step-by-step approach to research and develop an innovative empirical statistical modeling approach to stream restoration benefits quantification. Each activity under this task will add to the base of knowledge about the feasibility of this approach. The Trading Consultant Team will ensure each completed activity summarizes the potential barriers and challenges of this approach and how these barriers and challenges will both inform and impact outcomes. The activities included in Task 6B are:

- Review existing DRSCW data sets and analyses, identify new data and additional analyses that may be needed.
- Develop statistical analysis options.
- Conduct literature review.
- Select and develop statistical analysis model.

### Task 6C: Develop Stream Restoration Project Benefits Quantification Approach Document

Under Task 6C, the Trading Consultant Team will draft the stream restoration benefits quantification approach document that outlines the rationale and the process for the quantification approaches from Tasks 6A and 6B.

### Task 6D: Input Meeting Support

The stakeholder meeting under this task will focus on presenting the draft document from Task 6C to the DRSCW Project Committee, DRSCW Executive Board, as well as other key stakeholders including IEPA and environmental advocacy groups (EAGs), to obtain feedback on the approach.

The proposed scope revisions detailed in Tasks 6A to 6D cost an additional \$80,000-120,000 above the current contract the DRSCW has signed with the Trading Team. As such, at the time of this report, the DRSCW is still reviewing the proposed scope changes and additional fees. The DRSCW will hold a meeting with its Special Condition Permit holders in April 2021 to discuss how to proceed with Task 6.

## 3.5 NIP Related Items

### 3.5.1. Chlorophyll a Sampling

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, the watersheds will be sampled in a 4-year rotation to allow time for

the report writing and program assessment. The LDWRC began in 2012 and is sampled every 3-years.

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

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

The data collected as part of the bioassessment is processed, evaluated, and synthesized as a biological and water quality assessment of aquatic life use status. The assessments are directly comparable to previously conducted bioassessments such that trends in status can be examined and causes and sources of impairment can be confirmed, amended, or removed. A final report containing a summary of major findings and recommendations for future monitoring, follow-up investigations, and any immediate actions that are needed to resolve readily diagnosed impairments is prepared following each bioassessment. The bioassessment reports are posted on the DRSCW website at <http://drscw.org/wp/bioassessment/>. Data obtained from the bioassessments are a key source of data for all NIP projects discussed in Chapter 3.

In 2019, the DRSCW expanded its chemical monitoring to include sestonic chlorophyll a sampling beginning with the East Branch DuPage River in 2019. The West Branch DuPage River was sampled in 2020. Salt Creek and the Lower DuPage River watersheds are scheduled for 2021.