

Illinois Environmental Protection Agency

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

Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

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

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

Report Period: From March, 2020 To March, 2	2021 Permit No. ILR40 0485					
MS4 OPERATOR INFORMATION: (As it appears on the	e current permit)					
Name: Cook County Dept. of Transportation and Highways Mailing Address 1: 69 West Washington Street, Suite 2400						
Mailing Address 2:	County: Cook					
City: Chicago State:	IL Zip: 60602 Telephone: 312-603-1601					
Contact Person: Adam James P.E., CFM (Person responsible for Annual Report)	Email Address: adam.james@cookcountyil.gov					
Name(s) of governmental entity(ies) in which MS4 is loc	cated: (As it appears on the current permit)					
Cook County						
THE FOLLOWING ITEMS MUST BE ADDRESSED.						
A. Changes to best management practices (check appropria regarding change(s) to BMP and measurable goals.)	ate BMP change(s) and attach information					
Public Education and Outreach	. Construction Site Runoff Control					
Public Participation/Involvement 5	. Post-Construction Runoff Control					
3. Illicit Discharge Detection & Elimination 6	. Pollution Prevention/Good Housekeeping					
B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.						
C. Attach results of information collected and analyzed, incl	uding monitoring data, if any during the reporting period.					
D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule.)						
E. Attach notice that you are relying on another government	t entity to satisfy some of your permit obligations (if applicable).					
F. Attach a list of construction projects that your entity has p	paid for during the reporting period.					
Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))						
Jerriger Sis Killen	05/26/2021					
Owner Signature:	Date:					
Jennifer 'Sis' Killen P.E., PTOE	Superintendent					
Printed Name:	Title:					
MAN COMPLETED FORM TO						

EMAIL COMPLETED FORM TO: epa.ms4annualinsp@illinois.gov

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

WATER POLLUTION CONTROL **COMPLIANCE ASSURANCE SECTION #19** 1021 NORTH GRAND AVENUE EAST POST OFFICE BOX 19276

SPRINGFIELD, ILLINOIS 62794-9276



Cook County Department of Transportation and Highways

69 W. Washington Street Suite 2400 Chicago, IL 60602 Phone 312-603-1600

Storm Water Management Program Annual Report

March 2020 - March 2021



For Discharges from Small Municipal Separate Storm Sewer Systems

ATTACHMENT A

Changes to Best Management Practices (BMPs) or Measurable Goals During Reporting Period

March 2020 - March 2021

PUBLIC EDUCATION AND OUTREACH

No changes to report

PUBLIC PARTICIPATION / INVOLVEMENT

No changes to report

ILLICIT DISCHARGE DETECTION AND ELIMINATION

No changes to report

CONSTRUCTION SITE RUNOFF CONTROL

No changes to report

POST-CONSTRUCTION RUNOFF CONTROL

No changes to report

POLLUTION PREVENTION/GOOD HOUSEKEEPING

No changes to report

ATTACHMENT B

BMPs and Progress Towards Goals During Reporting Period

March 2020 - March 2021

PUBLIC EDUCATION AND OUTREACH

BMP: Continue to use website to post updated MS4 permit documentation and links to

other agency's resources

GOAL: Maintain links on CCDOTH website

STATUS: Metropolitan Water Reclamation District (MWRD) is the Stormwater

Management Agency for Cook County. Stormwater management program information is available to the public at MWRD's website www.mwrd.org and includes links for information about the rain barrel program. These links have been posted to the CCDOTH website. We have updated and will continue to

review our website to keep links up to date in next reporting cycle.

The Cook County Forest Preserve District website provides event information regarding seminars, volunteer opportunities, and family activities related to preservation and stewardship of natural areas in Cook County. These links have been posted to the CCDOTH website. We will continue to review our website and keep links up to date in next reporting cycle.

Links have been added to CCDOTH website to promote the Cook County Sherriff's Office / MWRD Drug Take Back Program. We will continue to update the website as necessary.

MS4 permit documentation has been added to CCDOTH website. We will continue to review our website and keep posted with the current Stormwater Management Plan for our department and copies of all recent Annual Reports along with a copy of our most current Notice of Intent (NOI).

PUBLIC PARTICIPATION AND INVOLVEMENT

BMP: Volunteering in Stormwater-Related Activities

GOAL: Continued participation in Watershed Planning and Stormwater Management

meetings and workshops

STATUS: Continued attendance and participation by CCDOTH staff for Cook County

Watershed Planning Councils organized by MWRD and local municipal mayors conferences. Meetings are held quarterly. We have updated links to watershed meeting schedule and location information to our website. We will continue to

keep website up to date with latest information.

CCDOTH participates on the MWRDGC Technical Advisory Committee (TAC) for the Cook County Watershed Management Ordinance (WMO) administered by MWRD. TAC meetings are held as needed for discussion of revisions to the WMO ordinance.

CCDOTH continues to participate in a watershed work group for the North Branch of the Chicago River (which is in both Lake and Cook Counties). The purpose of the workgroup is to update the North Branch watershed plan, implement a water quality monitoring program in the North Branch and its major tributaries, and conduct outreach efforts to educate watershed residents and businesses on ways to reduce their contribution to polluted runoff into the waterway. CCDOTH contributes membership dues which fund water monitoring, the crucial evidence needed for baseline metrics and setting improvement goals for certain pollutants that are impairing the waterway including nutrients, phosphates, and chlorides. CCDOTH will continue its participation within next reporting cycle.

CCDOTH has also been active and will continue its participation in the Chicago Area Waterways Chloride Initiative Work Group. This is a stakeholder group to address chloride levels in area waterways coordinated by MWRD.

Finally, CCDOTH has been active and will continue its participation in the Illinois Road and Transportation Builders Association's, Landscaping and Erosion Control Subcommittee. This group is comprised of contractors, regulatory agencies, transportation agencies, and consulting engineers and is a forum to discuss best practices and emerging trends and requirements related to soil erosion and sediment control on construction sites.

ILLICIT DISCHARGE DETECTION AND ELIMINATION

BMP: Develop an IDDE program

GOAL: To have annual inspections documented for stream crossings in each district

STATUS: CCDOTH worked with consulting engineers to locate and inspect all cross culverts under County roads. All fieldwork was completed during the reporting period. Also, the culvert location / inspection data was reviewed and coordination continues with other County departments to incorporate into our department's GIS-based system maps which we anticipate to be completed in

the next reporting cycle. This ongoing effort is a key enabler to better

management of the County's highway drainage system.

The Department's NPDES website was updated to link to hotline phone number for the public to report problems / concerns along County roads.

Also, work orders for storm sewer televising are issued as needed for planned roadway improvement projects. This work enhances our inspection efforts of our stormwater infrastructure and helps identify potential illicit discharges as well.

CONSTRUCTION SITE RUNOFF CONTROL

BMP: Project Oversight

GOAL: Continued use of procedures for Pre-Construction Review

STATUS: Construction plan review by Resident Engineers and Contractors. Resident

Engineer will continue to review erosion and sediment control plans for structure locations and proper installation methods with Contractor for every project requiring erosion control measures on-site before construction begins. All Contractors and Subcontractors will continue to be required to sign a Contractor Certification Statement to certify that they understand and shall comply with NPDES Permit ILR10 requirements for projects with NPDES permit.

BMP: Construction Site Planning and Management GOAL: Continued use of Construction site inspections

STATUS: Construction Site Operator BMP Inspection and Maintenance shall be according

to NDPES Storm Water Pollution Prevention Plans. Resident Engineer will continue to complete inspection reports of erosion and sediment control structures every week and after every 1/2" rainstorm event. The RE will continue to give a copy of each report with any instructions to repair or install all necessary

ESC structures to the Contractor and/or Subcontractor.

BMP: Erosion, Sediment, and Runoff Control

GOAL: Continued use of IDOT Standard Specifications for Road and Bridge

Construction and IEPA IL Urban Manual for erosion and sediment control.

STATUS: IDOT Standard Specifications for Road and Bridge Construction and IEPA IL

<u>Urban Manual</u> were used for erosion and sediment control design, installation, and maintenance procedures for all construction projects during reporting cycle (see Attachment F). Appropriate use of rip rap, erosion control blanket, geotextile for rip rap, seeding – salt tolerant, sodding – salt tolerant, design of grass lined channels, installation of perimeter erosion barrier – silt fence, use of rolled excelsior ditch checks, storm drain inlet filters, sediment bags for de-

watering, and use of vegetated buffers at streams.

POST-CONSTRUCTION RUNOFF CONTROL

GOAL: Continued use of the following BMPs within scope of related projects where

appropriate. We will continue using long term O & M procedures and post-construction project documentation to comply with IEPA NPDES requirements.

BMP: Infiltration

STATUS: Continued use within scope of related projects where appropriate.

Design, construct and maintain grassed swales along rural county roads. Use of

salt tolerant sodding and seed mixtures in landscaping of parkways.

BMP: Retention / Detention

STATUS: Continued to design and construct stormwater storage and implement retention

practices in accordance with Cook County DOTH policy and MWRD Watershed

Management Ordinance.

BMP: Use of storm sewer system oil-grit separators

STATUS: Continue to utilize Stormwater Pollution Prevention Systems to pre-treat storm

water discharges where feasible within select CCDOTH road projects.

POLLUTION PREVENTION/GOOD HOUSEKEEPING

GOAL: Continued employee training and practice of good housekeeping and

pollution prevention within road and district facility maintenance activities. Supporting documentation is kept on file with CCDOTH Maintenance

Districts.

BMP: Maintenance District facility Stormwater Management Plans

STATUS: After further evaluation of staff resources, we will be seeking consultant

services to assist CCDOTH Maintenance Bureau to update the Stormwater Management Plan for CCDOTH Maintenance District facilities (Districts I, II,

IV and V) during the next reporting cycle.

BMP: Landscape maintenance activities – Litter Control

STATUS: Litter removal from roadway and parkways on monthly basis

BMP: Street Sweeping

STATUS: Street sweeping of county roads twice a year.

BMP: Storm drain system cleaning

STATUS: Storm Sewer and catch basin clean out performed on as need basis

throughout the year

BMP: Hazardous Material Handling-Disposal

STATUS: Twice Monthly typical pick up a disposal company

BMP: Spill response and prevention plan

STATUS: Thoroughly clean up spills with oil dry absorbent mixture when they occur.

Underground fuel tanks equipped with alarms to prevent spills from

overfilling.

BMP: Culvert Assessment Program

STATUS: Identify in detail (Including Structural and Operational Condition) and exactly

locate, all Culverts under Cook County Jurisdiction. Data collected and reviewed during reporting period and to be included in DOTH GIS system in

next reporting cycle.

ATTACHMENT C

Information Collected During Reporting Period

March 2020 - March 2021

PUBLIC EDUCATION AND OUTREACH

RESULT: None.

PUBLIC PARTICIPATION / INVOLVEMENT

RESULT: None.

ILLICIT DISCHARGE DETECTION AND ELIMINATION

BMP: Development of IDDE Program

RESULT: Restrictive drainage criteria was used during the highway permit process for work

done within Cook County Highway right-of-way prohibiting non-storm water discharges to Cook County storm sewers and drainage ditches. Illicit discharge enforcement is done through CCDOTH's Permit Division with assistance by County State's Attorney office. Illicit discharge records continue to be kept by

CCDOTH Permits Division and are available upon request.

CONSTRUCTION SITE RUNOFF CONTROL

BMP: Project Over-site: Construction Site Planning and Management: Erosion.

Sediment, and Runoff Control BMPs; and Materials Management

RESULT: Construction Plan Review - Resident Engineers reviewed proposed SESC

structure locations and proper installation methods with the Contractor for each project requiring erosion control measures on-site before construction began. All Contractors and Subcontractors were required to sign a Contractor Certification Statement to certify that they understood and would comply with NPDES Permit

ILR10 requirements.

Construction Site Inspections and Maintenance - All Resident Engineers completed inspection reports of erosion and sediment control structures every week and after every ½" rainstorm event as part of each project, and gave a copy of each report with any instructions to repair or install all necessary ESC structures to the Contractor and/or Subcontractor. This information was kept on-site during construction in the SESC file maintained by each RE.

SESC BMPs - IDOT <u>Standard Specifications for Road and Bridge Construction</u> and IEPA <u>IL Urban Manual</u> were used for erosion and sediment control design, installation, and maintenance procedures for all construction projects during reporting cycle (see Attachment F).

POST-CONSTRUCTION RUNOFF CONTROL

BMPs: None

POLLUTION PREVENTION/GOOD HOUSEKEEPING

BMPs: Proper Disposal of Hazardous Waste, Landscape Maintenance Activities,

Street Sweeping, Storm Drain Cleaning, and Spill Response and Prevention

RESULTS: • The recycling of motor oil and disposal of used solvents and hazardous waste.

- Collection and removal of litter from roadways and parkways on a monthly basis.
- Street sweeping all roadways at end of winter season by each district.
- Storm sewer and catch basin clean out is done on an as needed basis.
- Spill cleanup with oil dry absorbent materials and fuel tanks are equipped with overfill alarms and automatic shut off valves.

Various pollution prevention/good housekeeping activities (catch basin cleanings, culvert and storm sewer cleanings, street sweepings) are recorded and tracked through CCDOTH Road Maintenance software system.

ATTACHMENT D

Stormwater Activities to be Undertaken During Next Reporting Period

March 2021 – March 2022

PUBLIC EDUCATION AND OUTREACH

BMP: Public Education GOAL: Website Updates:

Continue to update links as necessary and provide current documentation for next

reporting cycle.

PUBLIC PARTICIPATION / INVOLVEMENT

BMP: Soliciting Public Opinion

GOAL: Continued attendance at MWRD watershed planning council meetings for Cook

County.

ILLICIT DISCHARGE DETECTION AND ELIMINATION

BMP: Development of IDDE Program

GOAL: Continue to compile list of storm sewer system outfall locations and details for

inclusion in the current Cook County GIS mapping system. We anticipate seeking consultant services to assist us with implementing annual inspections of outfalls

during next reporting cycle.

CONSTRUCTION SITE RUNOFF CONTROL

The following Cook County Department of Transportation and Highways projects are anticipated to be ongoing during the next reporting cycle:

Lake Cook Road – Raupp to Hastings

This project consists of PCC reconstruction/widening from 2 lanes in each direction to 3 lanes in each direction, addition of dual left turn lanes at Buffalo Grove Road, McHenry Road (IL Route 83), and Weiland Road, addition of right turn lanes at McHenry Road, installation of barrier medians, installation of noise abatement walls on both sides of Lake Cook Road, west of Lexington Drive, and installation of bike path on north side and sidewalk on south side. An IEPA NPDES permit was issued for the project and the NOI has been posted on the website.

County Line Road - I-294 Ramp to North Avenue

This project consists of roadway improvements including pavement reconstruction and bridge widening/replacement. The work to be performed under this contract consists of widening of an existing bridge substructure, furnishing and erecting structural steel, building new approach slabs, retaining walls, earth excavation, construction of storm sewers and drainage structures, aggregate subgrade improvements, curb and gutter, PCC pavement, HMA base course widening, resurfacing with binder and surface courses, pavement markings, traffic signal replacement and installation roadway lighting. An IEPA NPDES permit will be issued for the project and NOI will be posted on website prior to start of construction.

County Line Road - Grand to Lake

This project consists of reconstruction, realignment, and widening of County Line Road, construction to accommodate a new southbound exit ramp from I-294, drainage Improvements, installation of retaining walls, new traffic signals.

Pavement Preservation and Rehabilitation Program – North and South (Various Roads)

These projects consist of pavement improvements to various CCDOTH roads including milling and resurfacing treatments and pavement patching where necessary. Some minor drainage improvements are included as well with various culvert replacements, drainage structure adjustments, catch basin cleanings, and ditch grading improvements. All SESC practices are in accordance with latest IDOT Standard Specifications for Road and Bridge Construction.

Roberts Road - Valley Drive to 87th Street

This project consists of concrete milling and asphalt grinding, pavement patching, asphalt overlay, new pavement markings, removal and replacement of curb and gutter, median updates, ADA ramp upgrade and traffic signals modernization.

POST-CONSTRUCTION RUNOFF CONTROL

BMP: Infiltration, Retention/Detention. and storm sewer system Oil-Grit Separators

GOAL: Identification of locations of all existing storm water pollution separation devices

currently installed with CCDOTH system continues to be a goal for the upcoming

cycle.

POLLUTION PREVENTION/GOOD HOUSEKEEPING

BMP: Maintenance District facility Stormwater Management Plans

GOAL: In the next reporting cycle we will be seeking consultant services to assist CCDOTH

Maintenance Bureau to update the Stormwater Management Plan for CCDOTH

Maintenance District facilities (Districts I, II, IV and V).

BMP: Road salt BMPs

GOAL: Within the next reporting cycle we anticipate beginning to develop a plan to

implement BMP's to reduce chloride runoff from road salt. These new practices are a result of our participation in the Chloride Initiative Workgroup. Details on

improvements will be reported in next reporting cycle.

ATTACHMENT E

Use of Other Agencies to Satisfy Permit Obligations

March 2020 - March 2021

PUBLIC EDUCATION AND OUTREACH

BMP: Public Education

AGENCIES: Links to various agency websites are provided on CCDOTH's website that

relate to public education for stormwater management, participation in environmental programs, and event information. Agencies are as follows:

MWRD

Forest Preserves of Cook County

Cook County Sherriff's Office Drug Takeback program

See Attachment B for details

PUBLIC PARTICIPATION / INVOLVEMENT

BMP: Public Involvement

AGENCIES: Metropolitan Water Reclamation District of Greater Chicago (MWRD):

- Local Watershed Planning Council Meetings (5 local councils)

- Technical Advisory Committee

Illinois Association for Floodplain and Stormwater Management (IAFSM)

RESULT: Cook County Highway staff attend public watershed council meetings and are

members of the MWRD technical advisory committee for updates to the

countywide stormwater management ordinance.

Cook County staff also attend the annual IAFSM Conference and various

seminars.

ILLICIT DISCHARGE DETECTION AND ELIMINATION

N/A

CONSTRUCTION SITE RUNOFF CONTROL

N/A

POST-CONSTRUCTION RUNOFF CONTROL

N/A

POLLUTION PREVENTION/GOOD HOUSEKEEPING

N/A

ATTACHMENT F

Construction Projects During Reporting Period

March 2020 - March 2021

<u>Project</u>	Start Date	Completion Date
Lake Cook Road - Raupp to Hastings	1/13/2020	Ongoing

ATTACHMENT G

Receiving Streams and Drainage Ditches in Cook County

	-		-
1.	59th Street Ditch	42.	Des Plaines River Tributary A
2.	67 th Street Ditch	43.	Dixie Creek
3.	71st Street Ditch	44.	DuPage River West Branch
4.	76 th Avenue Ditch	45.	East Avenue Ditch
5.	79th Street Ditch	46.	East Avenue Ditch Tributary
6.	Addison Creek	47.	Elk Grove Boulevard Drainage Ditch
7.	Belaire Creek	48.	Farmer's Creek
8.	Boca Rio Ditch	49.	Farrington Ditch
9.	Buffalo Creek	50.	Feehanville Ditch
10.	Buffalo Creek Tributary A	51.	Filsen Park Ditch
11	Butterfield Creek	52.	Flag Creek
12.	Butterfield Creek East Branch	53.	Flag Creek Tributary A
13.	Butterfield Creek East Branch Tributary	54.	Flag Creek Tributary B
14.	Butterfield Creek East Branch Trib. A	55.	Flag Creek Tributary C
15.	Butterfield Creek Tributary No. 1	56.	Flint Creek
16.	Butterfield Creek Tributary No. 3	57.	Flint Creek Tributary
17.	Butterfield Creek Tributary No. 4	58.	Flossmoor Ditch
18.	Calumet Sag Channel Tributary A	59.	Flossmoor Ditch Tributary A
19.	Calumet Sag Channel Tributary AA	60.	Golf Course Tributary
20.	Calumet Sag Channel Tributary B	61.	Grand Calumet River
21.	Calumet Sag Channel Tributary C	62.	Hickory Creek
22.	Calumet Union Drainage Ditch	63.	Hickory Creek Tributary A
23.	Calumet Union Drainage Ditch Southwest	64.	Higgins Creek
20.	Branch	65.	Higgins Creek Tributary A
24.	Calumet Union Drainage Ditch Southwest	66.	I-57 Drainage Ditch
۷٦.	Branch Tributary N	67.	Illinois and Michigan Canal Tributary A
25.	Calumet Union Drainage Ditch Southwest	68.	Illinois and Michigan Canal Tributary B
20.	Branch Tributary S	69.	Illinois and Michigan Canal Tributary C
26.	Cherry Creek	70.	Illinois and Michigan Canal Tributary D
27.	Cherry Creek East Branch	71.	Industrial Tributary
28.	Cherry Creek East Branch Tributary	71. 72.	Justice Ditch
29.	Cherry Creek West Branch	73.	Lansing Ditch
30.	Cherry Creek West Branch East Fork	74.	Lansing Ditch East Tributary
31.	Chicago River, North Branch	7 4 . 75.	Lansing Ditch Lynwood Tributary
32.	_		
3Z.	Chicago River, North Branch – Skokie River	70.	Lansing Ditch Torrence Tributary
33.	Skokie River	77.	Lansing Ditch West Tributary
34.	Chicago River, North Branch, Middle Fork	78.	Lansing Ditch Tributary A
35.	Chicago River, North Branch, West Fork	79.	Little Calumet River
36.	Crestwood Drainage Ditch West	80.	Long Run
37.	Crystal Creek	81.	Long Run Tributary A
38.	Crystal Creek Tributary	82.	Long Run Tributary B
39.	Deer Creek	83.	Long Run Tributary BA
40.	Deer Creek Tributary B	84.	Long Run Tributary C
41.	Des Plaines River	85.	Lord's Park Tributary
	200. 1011100 1 11101	55.	20.40 Fairt Hibataly

00.	Edddo Bitori	120.	can crock middle r ork
87.	Lucas Ditch Cut-Off	126.	Salt Creek South Fork
88.	Marley Creek	127.	Salt Creek Tributary
89.	Marley Creek Tributary A	128.	Salt Creek Tributary A
90.	Marley Creek Tributary B	129.	Salt Creek Tributary B
91.	Marley Creek Tributary C	130.	Salt Creek Tributary C
92.	Marley Creek Tributary D	131.	Salt Creek Tributary D
93.	McDonald Creek	132.	Salt Creek West Branch
94.	McDonald Creek North Branch	133.	Salt Creek West Branch Tributary A
95.	McDonald Creek South Branch	134.	
96.	McDonald Creek Tributary A	135.	Salt Creek West Branch Tributary 4
97.	McDonald Creek Tributary B	136.	Salt Creek West Branch Tributary 5
98.	Melvina Ditch	137.	Salt Creek West Branch Tributary 6
99.	Merrionette Park Ditch	138.	Salt Creek West Branch Tributary 7
100.	Midlothian Creek	139.	Sexton Ditch
101.	Midlothian Creek Western Branch	140.	Silver Creek
102.	Midlothian Creek Western Tributary	141.	Skokie River, Botanical Garden Diversion
103.	Mill Creek	142.	Skokie River, West Ditch
104.	Mill Creek West Branch	143.	South Navy Ditch
105.	Motel Ditch	144.	Spring Creek
106.	Natalie Creek	145.	Stoney Creek (East)
107.	Natalie Creek Overland Flow	146.	Stoney Creek (West)
108.	Navajo Creek	147.	Techny Drain
109.	North Creek	148.	Techny Drain, South Fork
110.	North Navy Ditch	149.	Third Creek
111.	Oak Lawn Ditch	150.	Thorn Creek
112.	Park Creek	151.	Thorn Creek Tributary A
113.	Plainfield Road Ditch	152.	Thorn Creek Tributary B
114.	Plum Creek	153.	Tinley Creek
115.	Poplar Creek	154.	Underwriters Tributary
116.	Poplar Creek East Branch	155.	Union Drainage Ditch
117.	Poplar Creek Schaumburg Branch	156.	Union Drainage Ditch Northern Tributary
118.	Poplar Creek South Branch	157.	Unnamed Creek
119.	Poplar Creek Tributary A	158.	Unnamed Tributary to Salt Creek
120.	Prairie Creek		Tributary D
121.		150	Weller Creek
121.	,		
	\ 11 <i>/</i>		Wheeling Drainage Ditch
123.			White Pine Ditch
124.	Salt Creek, Arlington Heights Branch,	102.	Willow Creek
	Anderson Drive Tributary		

125. Salt Creek Middle Fork

86.

Lucas Ditch