

# Stormwater 2023

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**We forget that the water  
cycle and the life cycle are  
one.**

Jacques Yves Cousteau



# Public Education and Outreach

**Contracted with Waukesha County for a group effort in PE &O.**

**Continued meeting with structure owners on maintenance issues.**

**Local organizations conducted litter collection on village roads.**



# Illicit Discharge



**141 Stormwater Outfalls**

**Annual Inspections for  
8 Major Priority Outfalls.  
6 Minor Priority Outfalls.  
2 Priority Grass Swales.**

**8 Additional Major Outfall  
inspections were  
completed as part of the  
permit cycle process.**

**3 illicit discharges were  
reported and investigated  
(2 diesel fuel spills and a  
drilling fluid dump).**



# Construction Site Pollution Control

**13 sites of one acre or more with open erosion control permits in 2023.**

**2 new erosion control permits issued in 2023.**

**141 site inspection completed by R&M.**

**69 Noncompliant inspections.**



Photo courtesy of Elizabeth Brown (R&M)

# Pollution Prevention

**Street Sweeping, Catch Basin Cleaning,  
Stormceptor Cleaning And Yard Waste**

**275 catch basin sumps cleaned.  
Three stormceptors cleaned.  
36 tons of debris collected.**

**360 lane miles of urban street sections were swept in  
2023.  
Each street section is swept four times a year.  
43 tons of street debris was collected.**

**The village provided yard waste collections eight times  
last year, six curbside and two drop-off events at the  
DPW facility.  
82.2 tons of yard waste collected with the fourth quarter  
accounting for 20 tons (generally leaves).**

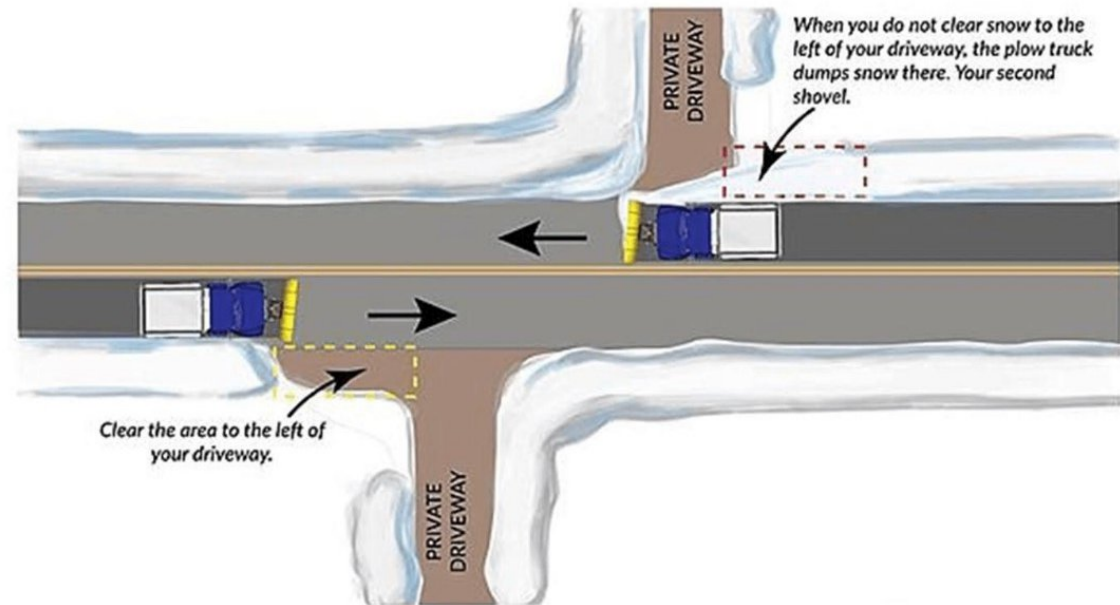


# Winter Road Maintenance

2 anti-icing events, 3,500 gallons of brine (8,050 pounds of salt) applied.

14 snow events, 269 tons of salt and 4015 gallons of prewet brine (1745 pounds of salt).

## How to Prevent the "Second Shovel"!



# Post Construction

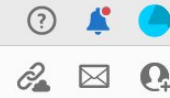
**110 total storm structures located in the village that are used for MS4 compliance.**

**16 are municipally owned and inspected annually.**

**31 private structures inspected by their owners in 2023.**

**One noncompliant letter sent addressing pond performance.**

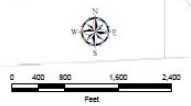
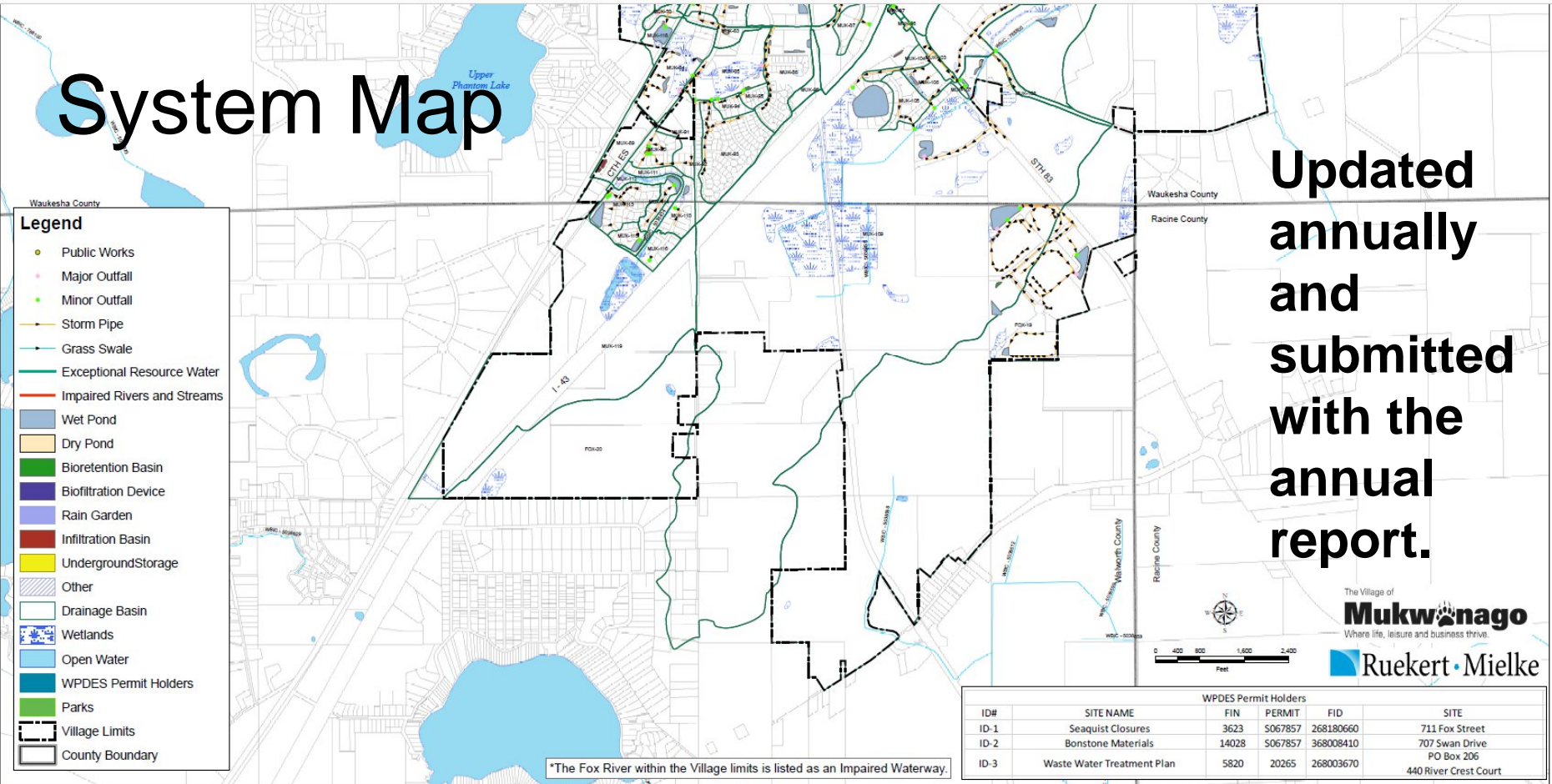




# System Map

## Updated annually and submitted with the annual report.

- Legend**
- Public Works
  - Major Outfall
  - Minor Outfall
  - Storm Pipe
  - Grass Swale
  - Exceptional Resource Water
  - Impaired Rivers and Streams
  - Wet Pond
  - Dry Pond
  - Bioretention Basin
  - Biofiltration Device
  - Rain Garden
  - Infiltration Basin
  - Underground Storage
  - Other
  - Drainage Basin
  - Wetlands
  - Open Water
  - WPDES Permit Holders
  - Parks
  - Village Limits
  - County Boundary



The Village of **Mukwonago**  
Where life, leisure and business thrive.  
**Ruekert · Mielke**

\*The Fox River within the Village limits is listed as an Impaired Waterway.

ID#	SITE NAME	WPDES Permit Holders			SITE
		FIN	PERMIT	FID	
ID-1	Seaquist Closures	3623	5067857	268180660	711 Fox Street
ID-2	Bonstone Materials	14028	5067857	368008410	707 Swan Drive PO Box 206
ID-3	Waste Water Treatment Plan	5820	20265	268003670	440 River Crest Court