



Dane County Water Quality Plan Amendment

**Verona Wastewater and Effluent
Discharge to Badger Mill Creek**

Staff Presentation and Discussion

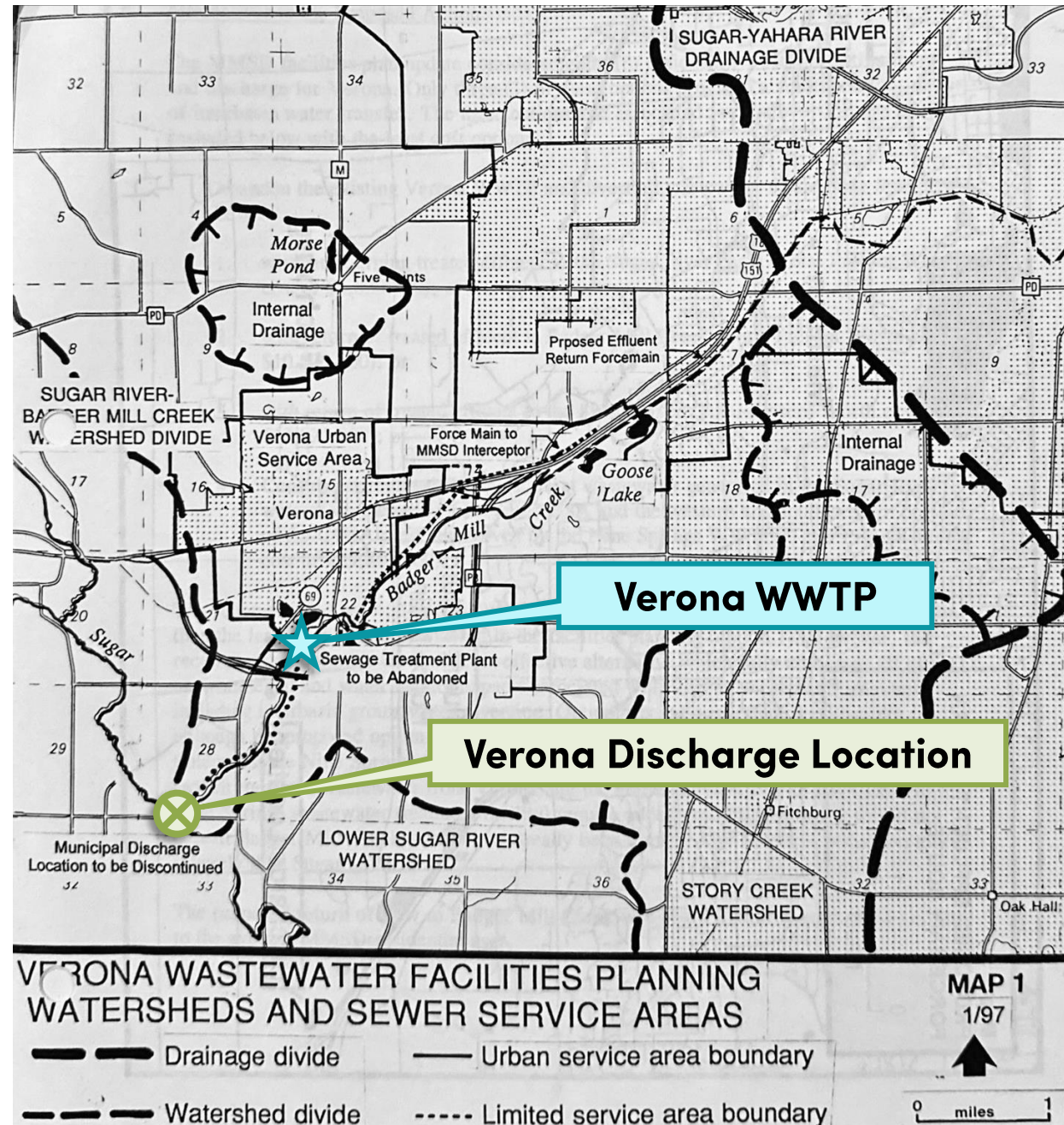
01

Historical Background

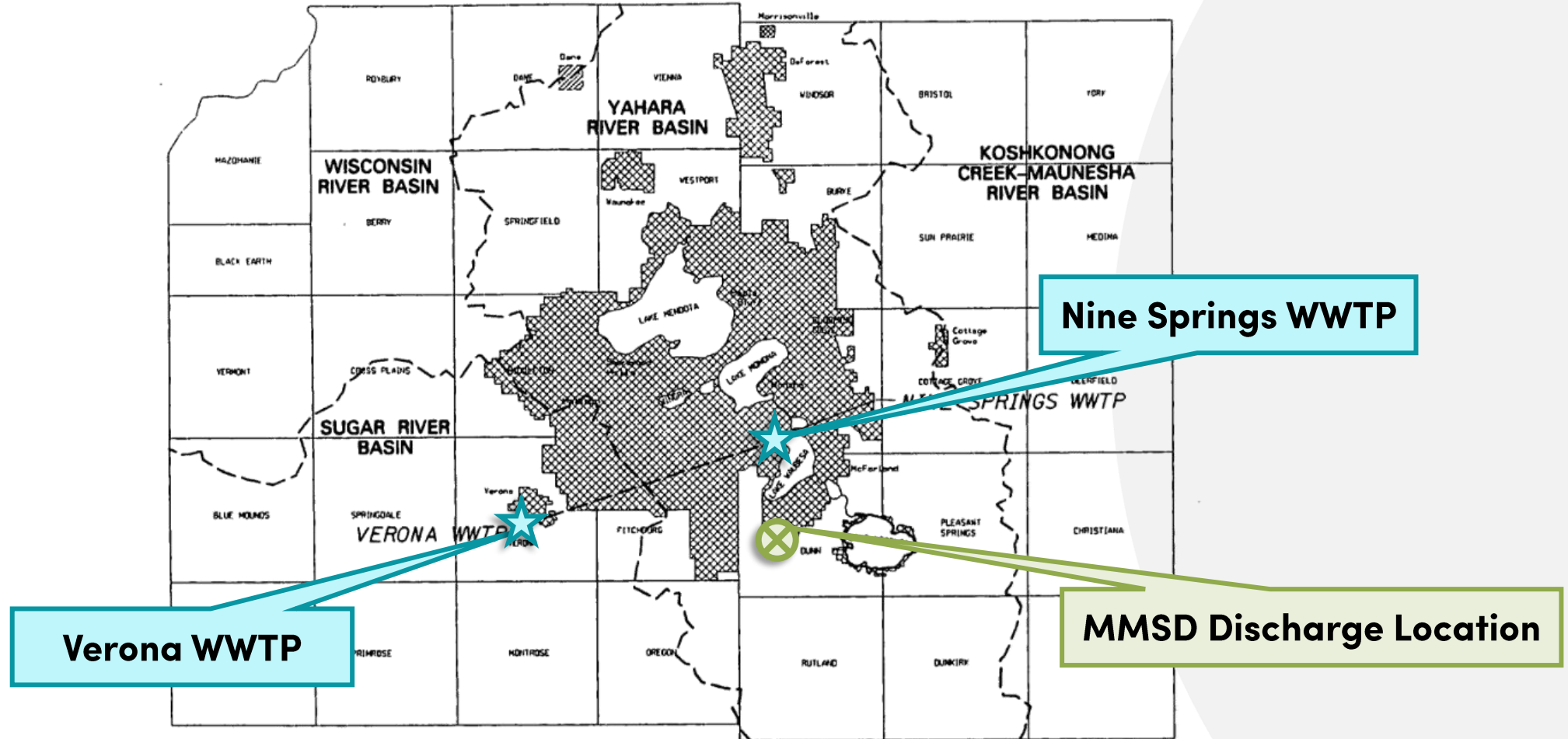
Verona Wastewater
and Effluent Return to
Badger Mill Creek



Verona Wastewater Treatment Plan



Wastewater Regionalization



Verona WWTP

Nine Springs WWTP

MMSD Discharge Location



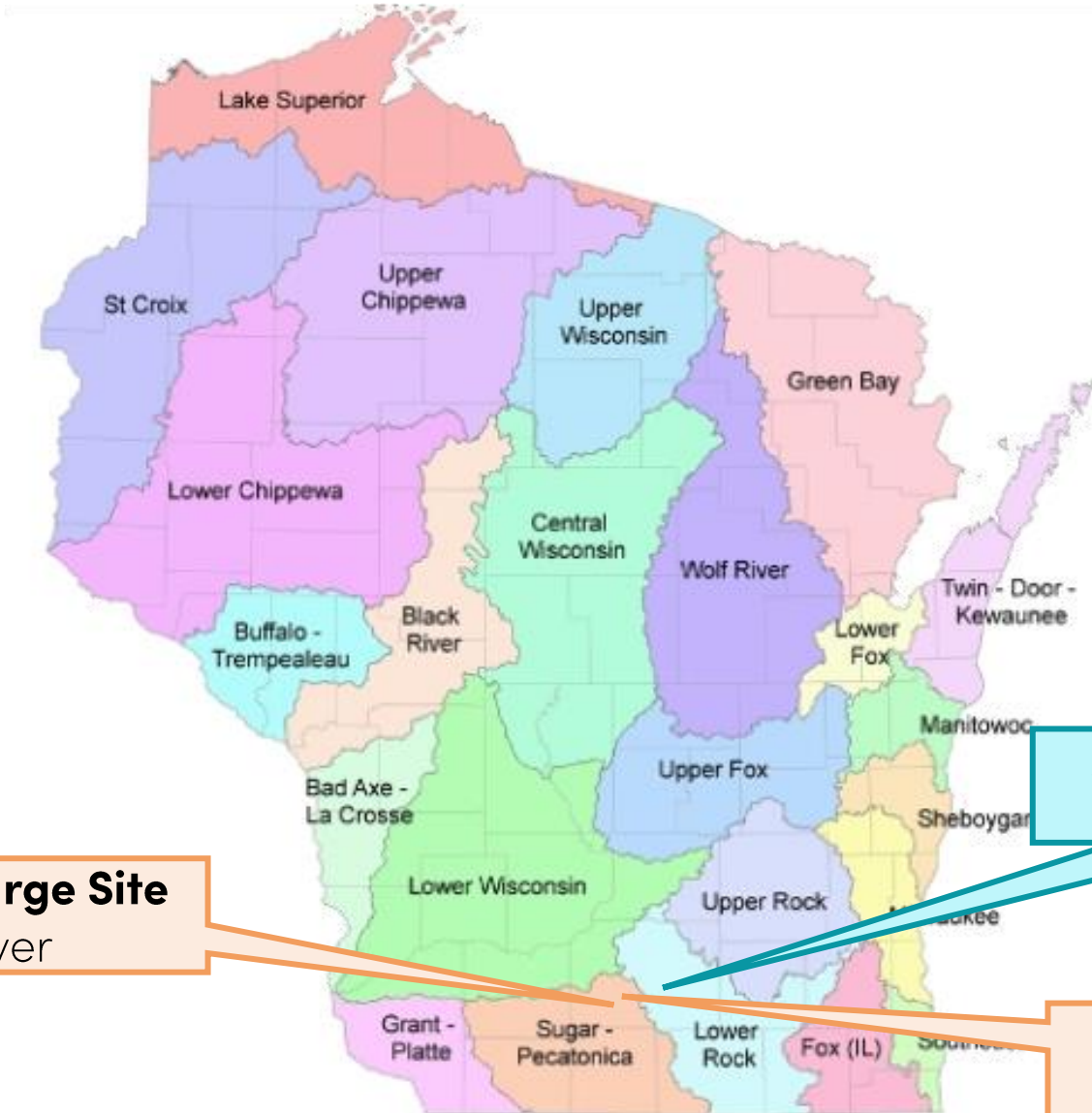
LEGEND
 [Cross-hatched box] REPRESENTS EXISTING MMSD BOUNDARY
 [Diagonal lines box] REPRESENTS POSSIBLE FUTURE MMSD BOUNDARY INCORPORATION
 [Dashed line] - EFFLUENT RETURN LINE CORRIDOR

SOURCE: DAKE COUNTY REGIONAL PLANNING COMMISSION

Figure 1-1
 Service Area
 Nine Springs WWTP



Inter-Basin Water Transfer



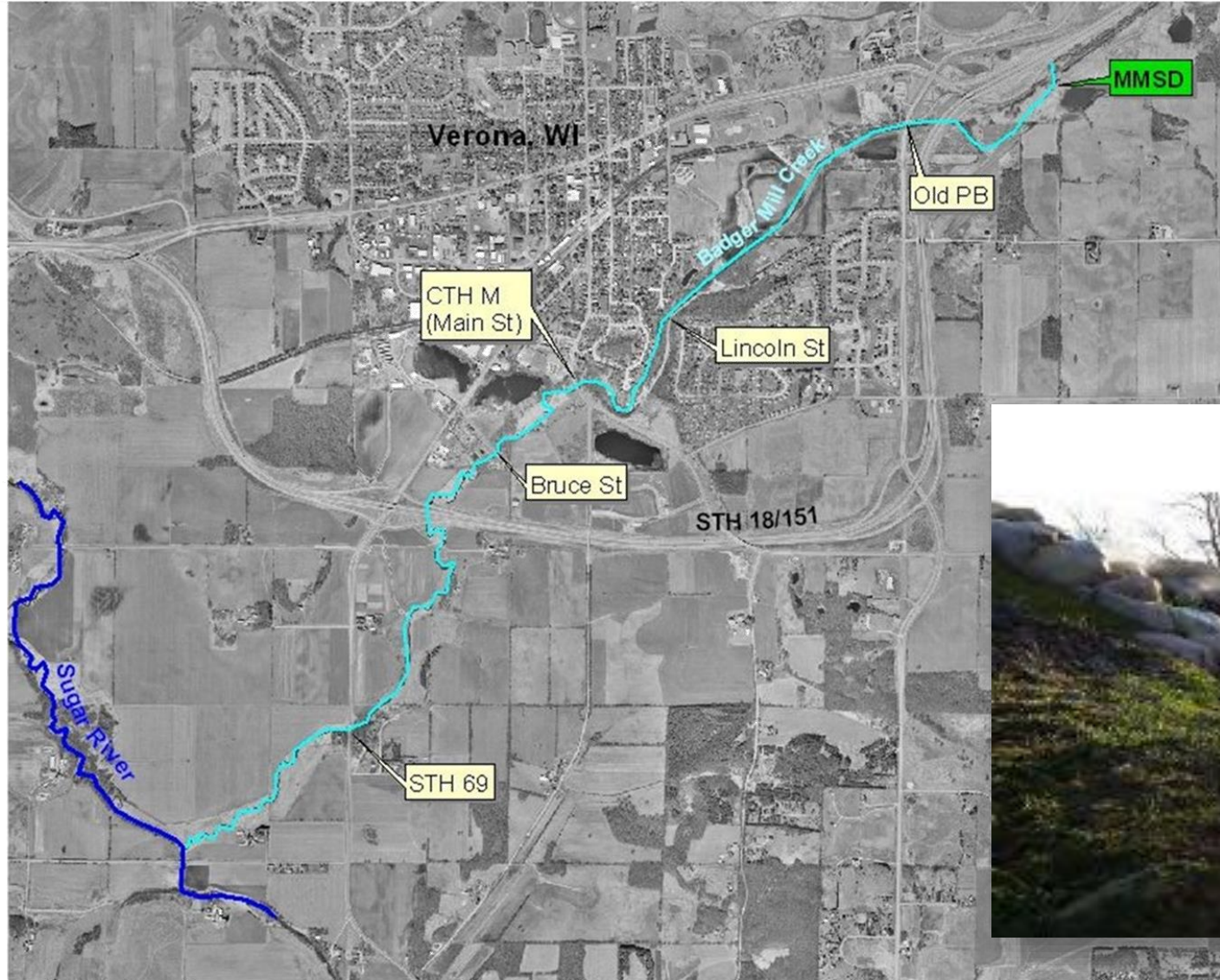
Verona Discharge Site
Sugar River

MMSD Outfall 001
Badfish Creek

MMSD Outfall 005
Badger Mill Creek



Return of Treated Effluent



Amendments to DCWQP

Resolution RPC No. 670

AMENDING THE DANE COUNTY WATER QUALITY PLAN
BY REVISING THE PROPOSED APPROACH TO WASTEWATER MANAGEMENT
AND TREATMENT FOR THE CITY OF VERONA

WHEREAS, the Dane County Regional Planning Commission has developed, adopted,

Resolution RPC No. 738

AMENDING THE DANE COUNTY WATER QUALITY PLAN
BY REVISING THE PROPOSED APPROACH TO WASTEWATER TREATMENT
AND DISCHARGE FOR THE CITY OF VERONA

WHEREAS, the Dane County Regional Planning Commission has developed, adopted,

Resolution RPC No. 796

AMENDING THE DANE COUNTY WATER QUALITY PLAN
BY REVISING THE APPROACH TO WASTEWATER TREATMENT
AND DISCHARGE FOR THE VERONA URBAN SERVICE AREA

WHEREAS, the Dane County Regional Planning Commission has developed, adopted, and



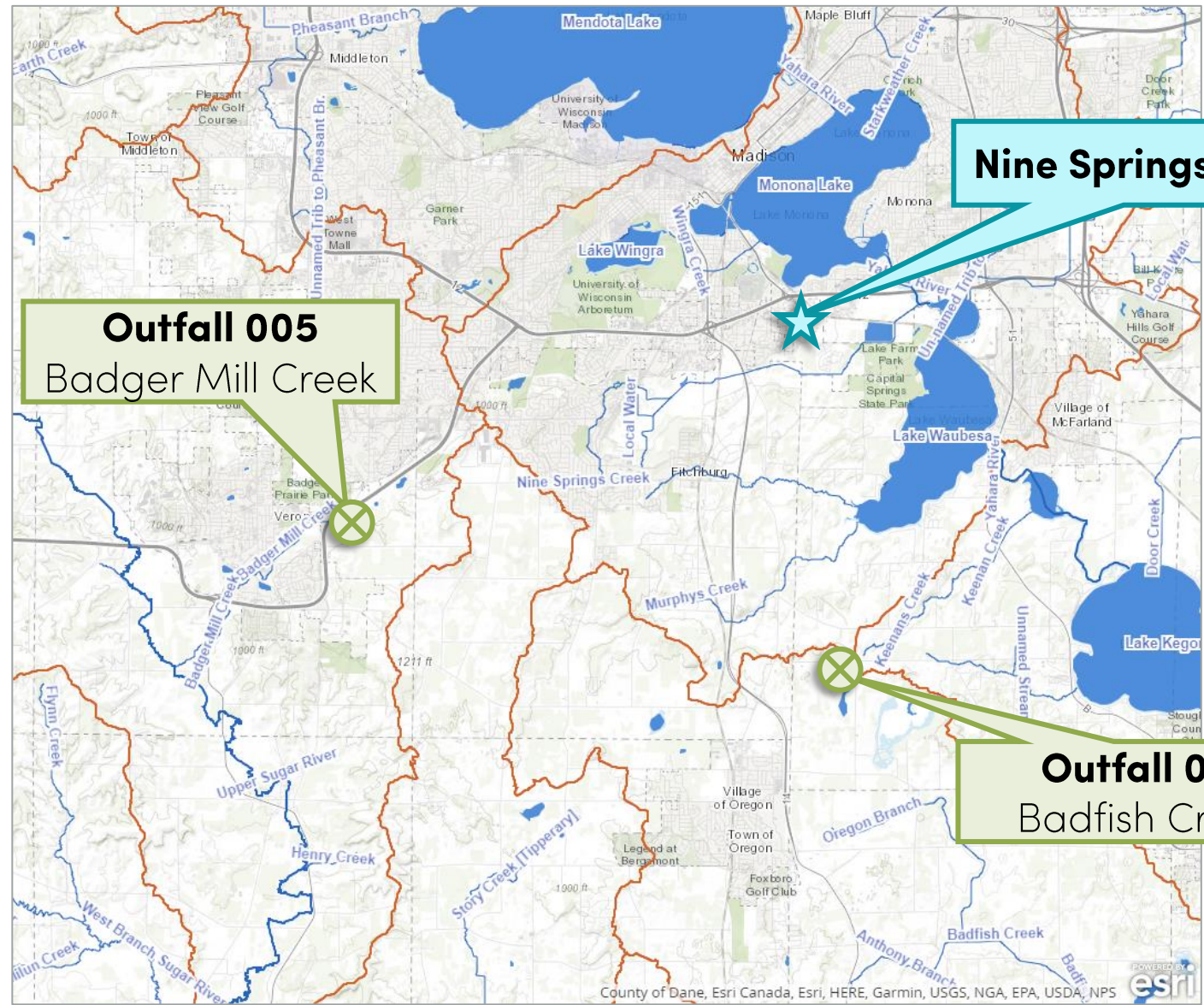
02

Current State of Affairs

Verona Wastewater and Effluent Return to Badger Mill Creek



Madison Metropolitan Sewerage District



Nine Springs WWTP

Outfall 005
Badger Mill Creek

Outfall 001
Badfish Creek



Phosphorus Requirements

WPDES Permit



WPDES PERMIT

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
PERMIT TO DISCHARGE UNDER THE WISCONSIN POLLUTANT DISCHARGE
ELIMINATION SYSTEM

MADISON METROPOLITAN SEWERAGE DISTRICT

is permitted, under the authority of Chapter 283, Wisconsin Statutes, to discharge from a facility
located at
1610 Moorland Road

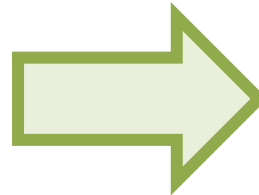
to

**BADFISH CREEK, FROM OUTFALL 001 (Lat: 42.97119° N / Lon: 89.35259° W) AND GROUNDWATER
OF THE YAHARA RIVER AND LAKE MONONA WATERSHED, FROM OUTFALL 008, BOTH IN THE
LOWER ROCK RIVER BASIN**

AND TO

**BADGER MILL CREEK, FROM OUTFALL 005, (Lat: 42.99414° N / Lon: 89.50400° W) IN THE
SUGAR-PECATONICA RIVER BASIN,
ALL IN DANE COUNTY**

in accordance with the effluent limitations, monitoring requirements and other conditions set
forth in this permit.



FCAP Report

Madison Metropolitan Sewerage District



Final Alternatives Assessment for Phosphorus
Compliance
Badger Mill Creek, Outfall 005
Madison Metropolitan Sewerage District

Madison Metropolitan Sewerage District
April 2023




MMSD Stakeholder Group

Health & Resilience of Badger Mill Creek

Madison Metropolitan Sewerage District

COMMISSION CAREERS CONTACT

Who We Are What We Do **Pollution Prevention** Do Business With Us News & Resources



Badger Mill Creek Stakeholder Group

Home / Phosphorus / Badger Mill Creek Stakeholder Group



Anticipated Schedule



July 11

**Public Hearing
& Applicant
Presentation**



Aug 8

**CARPC Action &
Recommendation
to DNR**



Sept 8

**DNR
Administrative
Decision**

03

Statutory Authority & Roles

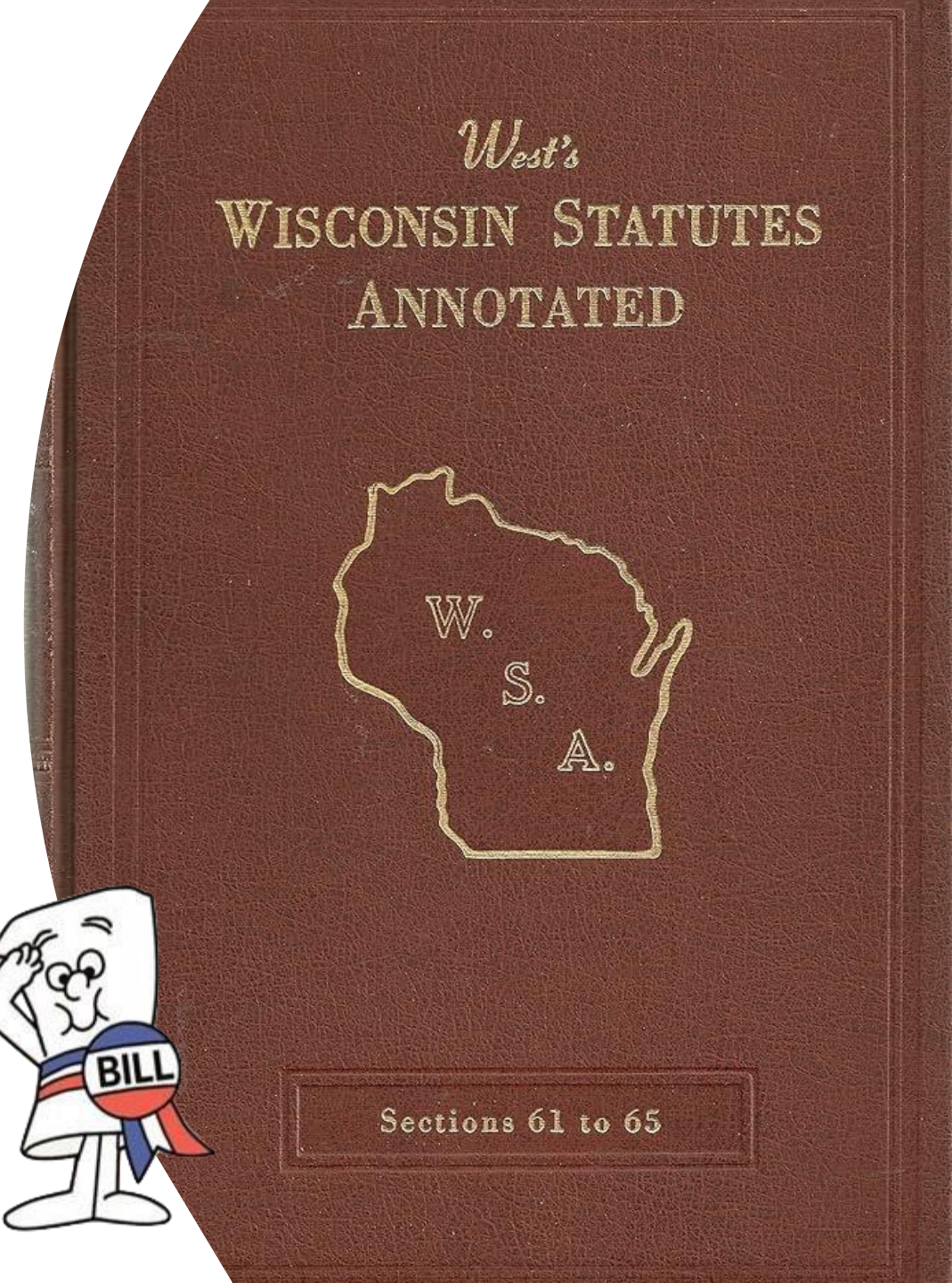
**Verona Wastewater
and Effluent Return
to Badger Mill Creek**



Statutory Limitations

2015 Wis. Act 55 → Wis. Stat. § 283.83(1m)

Wis. Stat. § 283.63(1m) limits the authority of Capital Area RPC and the Wisconsin DNR with respect to amendments to the Dane County Water Quality Plan.



Statutory Limitations

§ 283.83(1m)(a).

WDNR shall “**base a decision** under this paragraph **on** whether the proposed revision complies with the **water quality standards** under s. 281.15.”

§ 283.83(1m)(b).

WDNR and any person contracting with WDNR “**may not require information** concerning a proposed revision to the areawide water quality management plan for the area consisting of Dane County **other than information that is reasonably necessary to determine whether the proposed revision complies with water quality standards** under s. 281.15.”

§ 283.83(1m)(f).

WDNR may contract with another party to provide “advisory services” relating to the review of proposed revisions to the areawide water quality management plan for the area consisting of Dane County, but **WDNR “may not delegate its authority to approve or reject proposed revisions.”**



STATUTORY LIMITATIONS

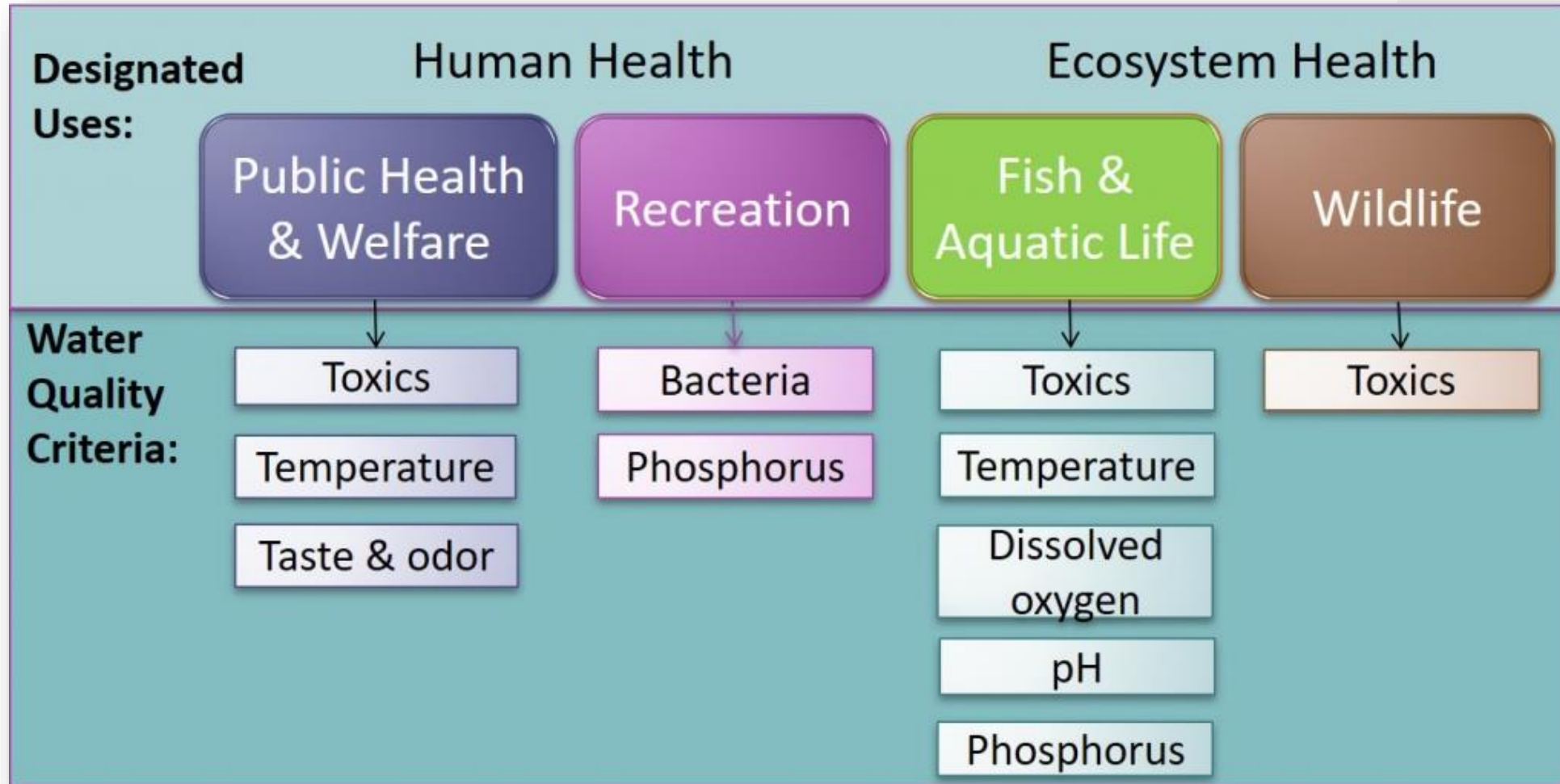
§ 281.15(1).

“**Water quality standards** shall consist of the designated uses of the waters or portions thereof and the water quality criteria for those waters **based upon the designated use.**”



Water Quality Standards

Wis. Admin. Code Chapters NR 102-105



Role of CARPC

Administration

- Administer the application process
- Facilitate the public participation process through a public hearing

Assessment

- Review application materials in consultation with DNR staff
- Prepare an analysis report assessing the proposed amendment against water quality standards

Recommendation

- Prepare a Water Quality Management Letter which will recommend to DNR action either for or against the proposed amendment



Questions?

