

Stormwater U

Stormwater Pond Management: Outfalls and Pond Inventories

The first in a series on stormwater pond management

Resources

March 18, 2008

Stillwater, MN



Ramsey-Washington Metro

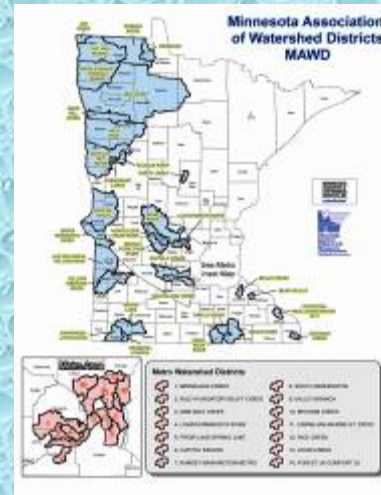
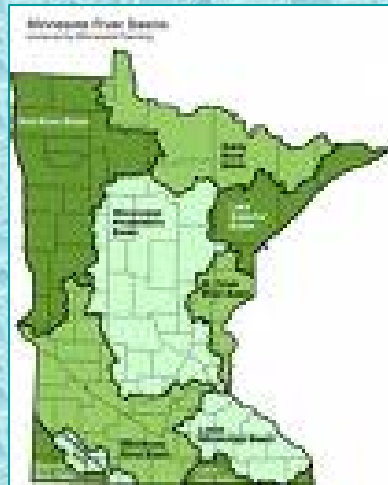


District



ST. ANTHONY FALLS LABORATORY

1955 Minnesota Statute 103D: Creation of watershed districts to manage water resources on a watershed basis.



Ramsey-Washington Metro
Watershed District formed in 1975

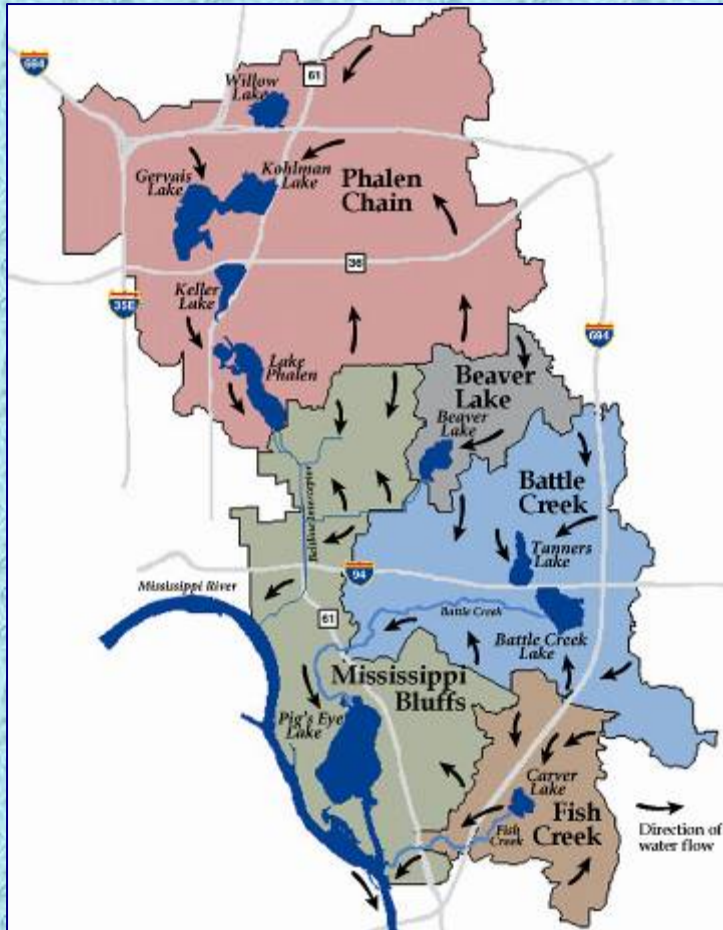
1982 Metropolitan Surface Water Management Act 103B

Required formation of WMOs as Districts or joint powers agreement organizations for every watershed in the 7 county area.



Required WMOs to develop and implement watershed management plans.

Watershed Management Plans



Minn. Rule 8410 defines the content of WMO plans and local water plans.

RWMWD just adopted its 4th plan in June 2007.

Go to www.rwmwd.org home page

Click on "Management Plan"

Linking the State MS4 Permit to the State 103B Requirements



- 1. Send us your outfall GPS points. We will send back the water body classifications and any hydrologic data that we have.**

Send to: Carrie Mack, District GIS Technician

carrie@rwmwd.org

Dredging Contract Assistance

2. Let's dredge together!



Use the WMO winter maintenance contract.

**Send to: Tina Carstens, District Permit Coordinator
tina@rwmwd.org**

Use Your WMO Experience



3. Work with us on complications, wetland issues and determining sediment depths.

We also have experience with COE permit questions.

Contact: Tina Carstens, District Permit Coordinator

tina@rwmwd.org

Cost Share Upgrades

4. Use BMP Cost Share Programs to get funding and technical assistance to enhance a pond area to reduce water volume.

Some ponds can be neighborhood amenities

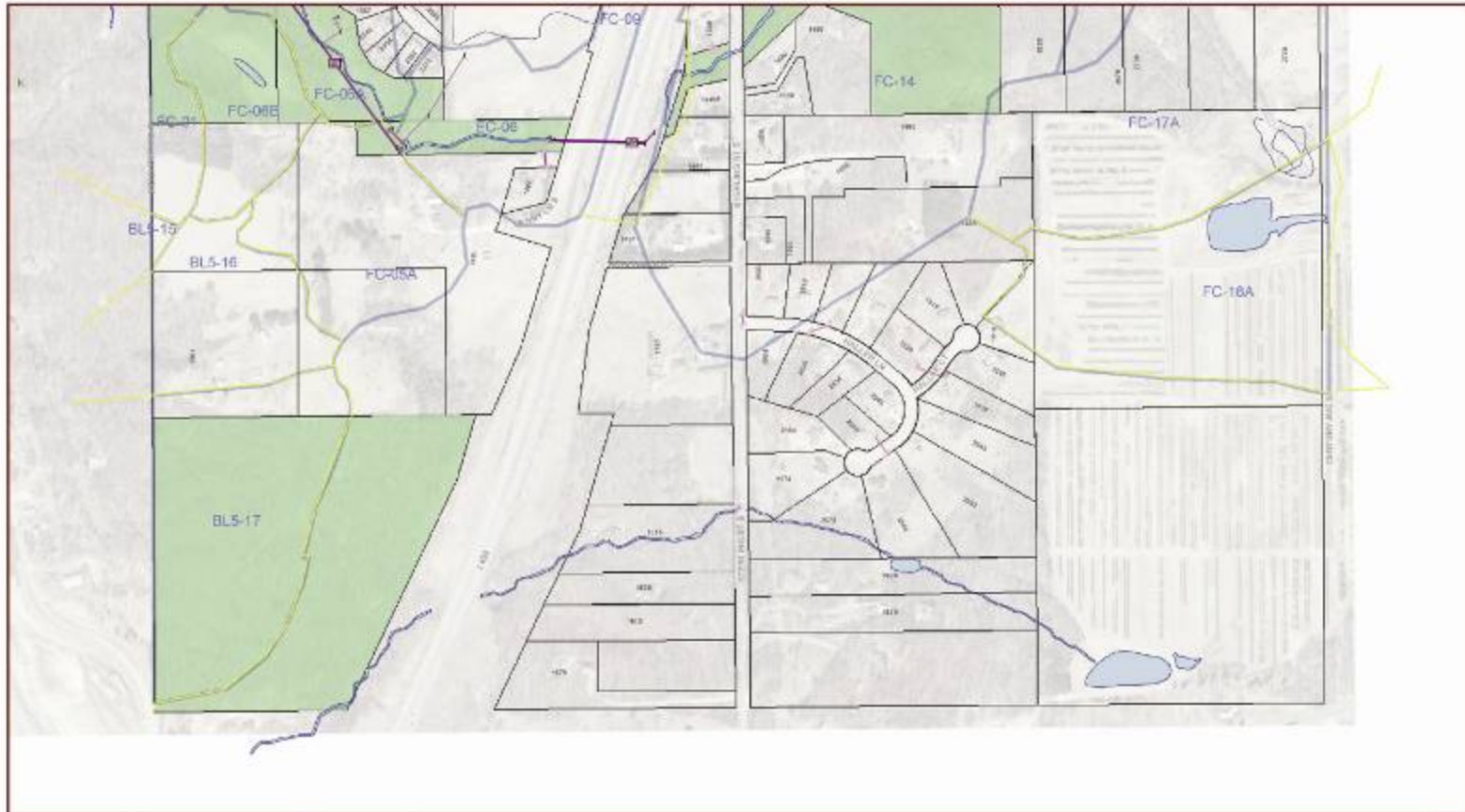
Contact:

Julie Vigness-Pint for wetland-related issues

julie@rwmwd.org



Stormsewer Systems



Disclaimer
 This map is for informational purposes only and does not constitute a contract. The map is not a guarantee of performance. The user of this map is responsible for verifying the accuracy of the information shown on the map. The user of this map is also responsible for obtaining the necessary permits and approvals for any proposed project. The user of this map is also responsible for obtaining the necessary permits and approvals for any proposed project. The user of this map is also responsible for obtaining the necessary permits and approvals for any proposed project.

	Water		Existing Drainage Area Boundary
	Streams		Proposed Boundary Revision
	Fairfax City		
	Golf Courses		
	Open Space		
	Fairfax County		
	Fairfax Regional		

Storm Pipes	Structure Shapes																				
<table border="1"> <tr> <th>Disiameter (Inches)</th> <th>Storm Pipes</th> </tr> <tr> <td>< 12"</td> <td>Bend or Tee</td> </tr> <tr> <td>12" - 15"</td> <td>Culvert</td> </tr> <tr> <td>15" - 27"</td> <td>Catch Basin</td> </tr> <tr> <td>28" - 42"</td> <td>Flared End Section</td> </tr> <tr> <td>43" - 72"</td> <td>Manhole</td> </tr> <tr> <td>> 72"</td> <td>Sump Structure</td> </tr> <tr> <td></td> <td>Special Structure</td> </tr> <tr> <td></td> <td>Unknown</td> </tr> </table>	Disiameter (Inches)	Storm Pipes	< 12"	Bend or Tee	12" - 15"	Culvert	15" - 27"	Catch Basin	28" - 42"	Flared End Section	43" - 72"	Manhole	> 72"	Sump Structure		Special Structure		Unknown	<table border="1"> <tr> <td></td> <td>Storm Basin</td> </tr> </table>		Storm Basin
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Maplewood Storm Water System
 Jun 07, 2009

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