

Stormwater U

Stormwater Pond Management Series: Inventory

The first in a series on stormwater pond management

Stormwater Pond and Outfall Inventory Basics

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Stormwater Pond and Outfall Inventory Basics

Summary:

1. Relationship to Local Water Management Plans
2. Relationship to the MS4 Permit
3. Inventory Basics



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Local Water Management Plans (M.S. 103B.235) :

- (1) describe existing and **proposed physical environment** and land use;
- (2) define drainage areas and the volumes, rates, and **paths of stormwater runoff**;
- (3) identify **areas** and elevations for **stormwater storage** adequate to meet performance standards established in the watershed plan;
- (4) define water quality and **water quality protection methods** adequate to meet performance standards established in the **watershed plan**;
- (5) identify **regulated areas**;



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Local Water Management Plans (M.R. 8410.0060) :

Subp. 4. Surface water resource data. Necessary surface water data within the watershed includes:

E. maps showing the areas served by each existing stormwater system that identify **existing stormwater ponds** and the location of **all stormwater outfalls**;



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Part V. Storm Water Pollution Prevention Program (SWPPP), Paragraph G.3.

- a. You must develop, if not already completed, a **storm sewer system map** by June 30, 2008, or on another date established by the Commissioner, showing the location of:
 - 1) Ponds, streams, lakes and Wetlands that are part of **your system**;
 - 2) **Structural pollution control devices** (grit chambers, separators, etc.) that are part of **your system**;



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Part V. Storm Water Pollution Prevention Program (SWPPP), Paragraph G.3.

- 3) All pipes and conveyances in your system as a goal, but at minimum, those **pipes that are 24 inches in diameter and over**; and
- 4) **Outfalls**, including discharges from your system to **other MS4s**, or waters and Wetlands that are **not** part of **your system** (where You do not have operational control); structures that discharge storm water directly into groundwater; overland discharge points and all other points of discharge from your system that are outlets, but not diffuse flow areas.



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PART VIII. APPENDIX B: DEFINITIONS

MS4” means a **Municipal Separate Storm Sewer System**. a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains)

“**Outfall**” means the point source where a **Municipal Separate Storm Sewer System** discharges from a pipe, ditch, or other discrete conveyance to **receiving waters**, or to other **Municipal Separate Storm Sewer Systems**. It does not include diffuse runoff or conveyances which connect segments of the same stream or **water systems**.



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Receiving Waters is **not** defined in the MS4 Permit. More importantly, the MS4 or **your system** is defined. So, define it! Everything else must be **receiving waters**.

Why is this so important?

It is *implied* in the permit that **receiving waters** must meet MPCA water quality standards.



“In an implied contract, the law only supplies that which, although not stated, must be presumed to have been the agreement intended by the parties.” ([A Treatise on the Law of Contracts](#), William W. Story. 1874. Little, Brown and Company. (<http://www.amazon.com>))

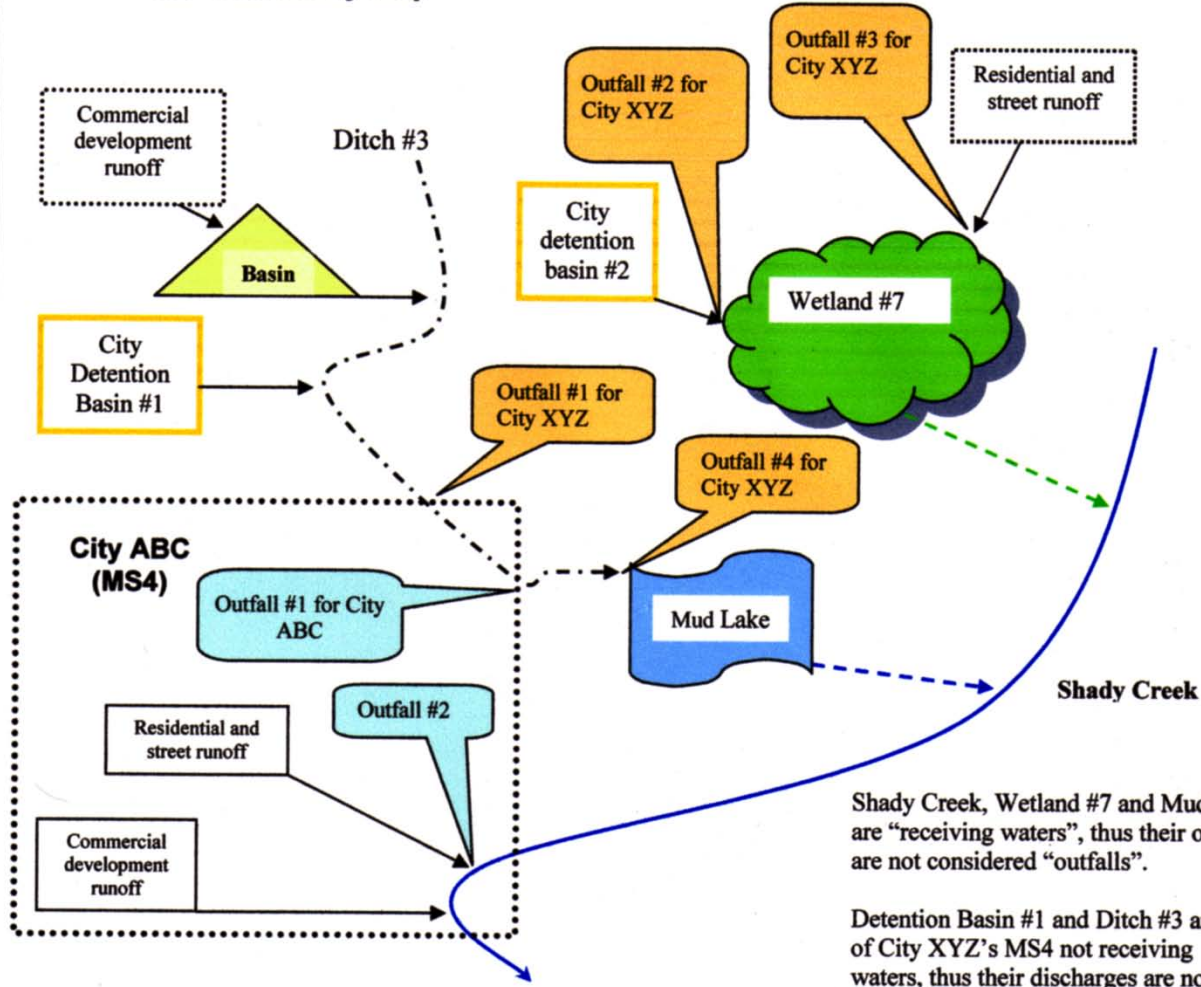
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City XYZ, Minnesota - MS4 Inventory Map



Shady Creek, Wetland #7 and Mud Lake are “receiving waters”, thus their outlets are not considered “outfalls”.

Detention Basin #1 and Ditch #3 are part of City XYZ’s MS4 not receiving waters, thus their discharges are not “outfalls”.

The water quality of Shady Creek is a WMO responsibility through watershed planning and permitting

