



COON
RAPIDS
Minnesota

Community strength...for
generations

Coon Creek



Watershed
District



HEALTHY LAWNS, HEALTHY PONDS

April 1, 2016

Townhome Association Forum

Agenda

Introductions & Goals of Forum

1. Stormwater Ponds
2. Lawn Care

Related Topics

1. Snow/ice removal
2. Public utilities on private streets



Purpose of a Stormwater Pond

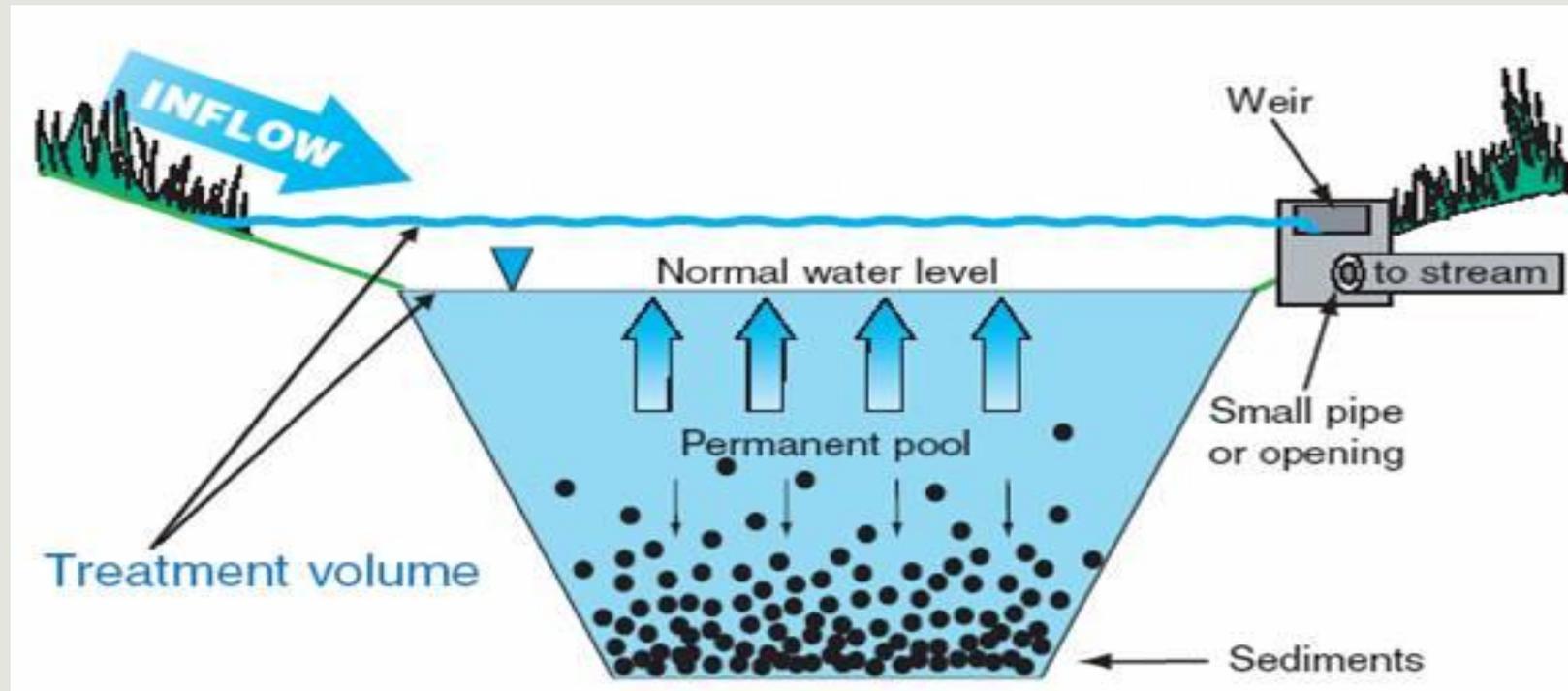


Improve water quality

Collect, store, purify (“treat”) stormwater runoff

Prevent flooding

Purpose of a Stormwater Pond



Stormwater Pond Types

Wet Pond

- Extended Detention
- Rate Control
- Sedimentation

06/06/2011

Stormwater Pond Types

Dry Pond

- Infiltration
- Rate Control
- Pretreatment



Roles of Stormwater Ponds



Capture stormwater runoff

reduce water pollution entering our creeks, rivers, lakes

Hold water (reduce flooding)

Detain (temporary storage)

Retain

Goals of Stormwater Ponds

1. Reduce downstream flooding through storage
2. Reduce downstream soil erosion by reducing rate and volume of water
3. Remove pollutants through settling or filtration
4. Encourage infiltration to groundwater

Getting to Know Your Pond



Who owns it, and who's responsible for maintenance?

It depends...

Associations are considered owners of a pond when storm sewer pipes from its private streets are the only contributing drainage into a pond.

An Association that owns a pond is **responsible for its maintenance.**

Getting to Know Your Pond

Approximately 170 stormwater ponds.

Most ponds are the City's responsibility to maintain.

An Association is still however responsible to maintain the pipe outlet that comes from its private street.

Maintenance Responsibilities



Often spelled out in development agreement/permit.

Associations should contact the City if they're unsure on maintenance responsibilities or ownership of ponds near their development.

Ponds Need Maintenance When



Debris, trees, and other vegetation block pipes.

Too much sediment has accumulated in pond area.

Erosion occurs on the pond sides or embankment.

Damage occurs to inlet and/or outlet structures.

Pond Maintenance Examples



Pond Maintenance Examples

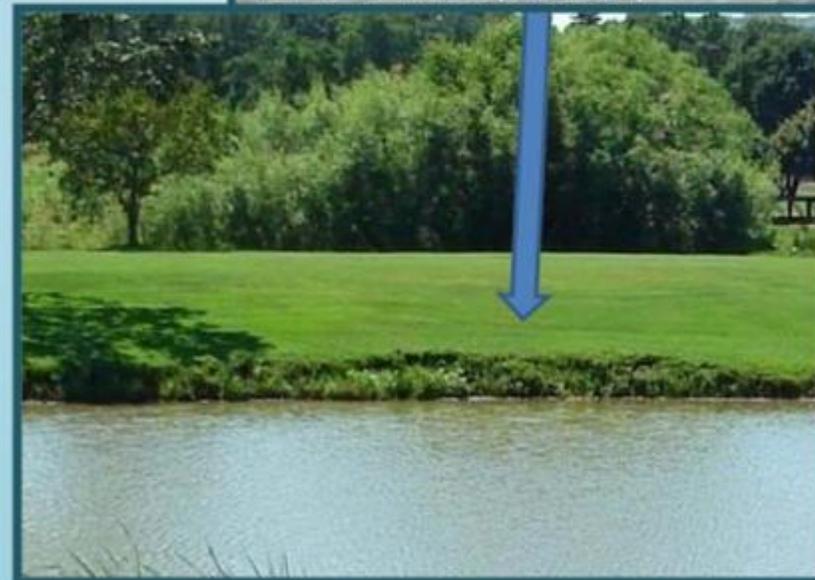
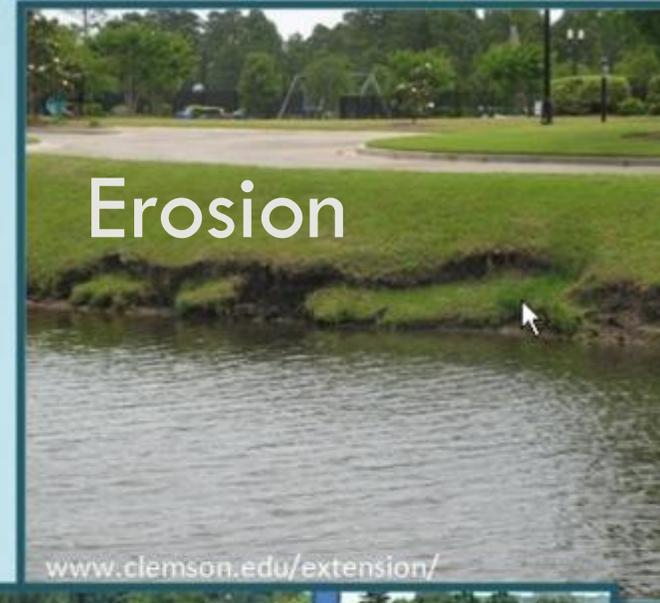


Pond Maintenance Examples



Pond Maintenance Examples

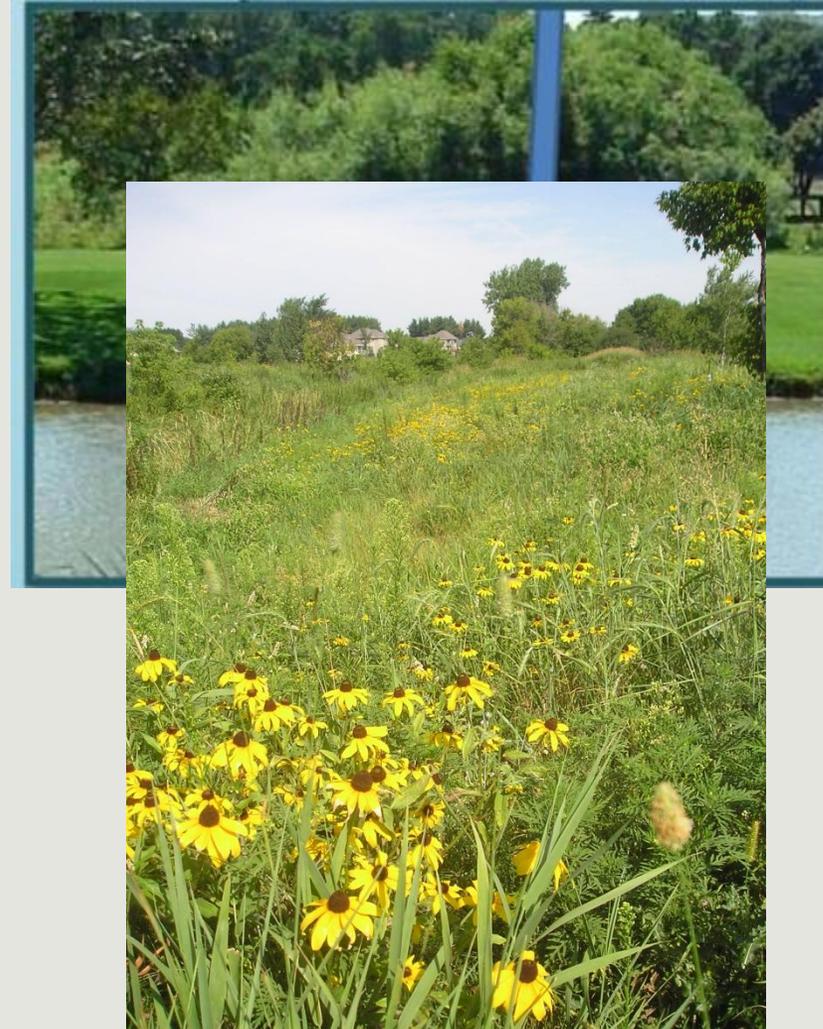
Erosion along mowed
edge of pond



Buffers

Long-rooted plants
help reduce

- erosion
- geese numbers
- pollutants



Budgeting for Pond Maintenance



Routine maintenance (erosion, vegetation removal)

\$2,500 - \$5,000 depending on extent

Sediment delta removals

up to \$10,000 depending on amount of material and type

Dredging

up to \$50,000

usually every 30 years

Common Management Concerns



Cattails

Geese

Mosquitoes

Algae Blooms

Erosion and Siltation

Volunteer Trees at Inlets/Outlets

Stormwater Pond Care



Don't mow the edge of the pond

Keep out fertilizer, grass clippings, pet waste, and litter

Protect shrubs and bushes near the water edge

Watch for animal burrows

Wash vehicles on the lawn, not in the driveway

Turf Care



Protecting our water!

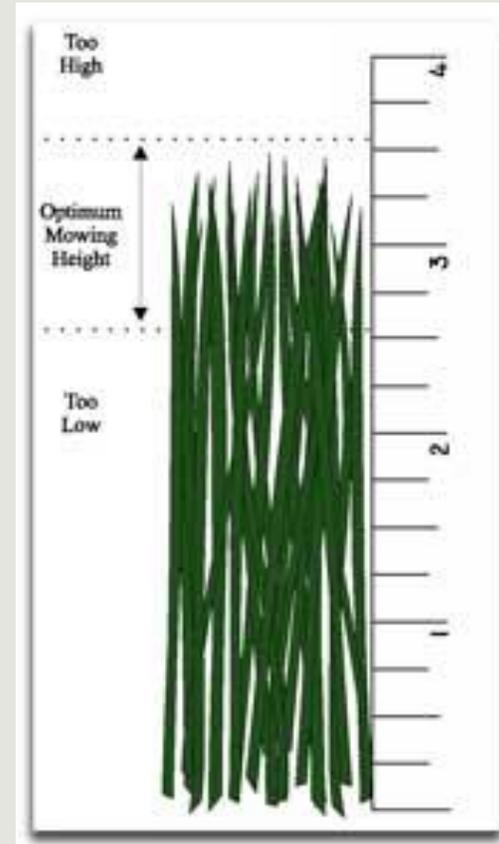
Mowing

Think High!

3" tall is best

**Don't cut more than
1" at a time**

Protect our groundwater!



Coon Creek



Watershed
District

Fertilizer

Mulch Grass Clippings/yr into turf

= one application of fertilizer!

UMN Turf researchers

&

Helps reduce algae growth in ponds



Protect our water!

Coon Creek



Watershed
District

Fertilizer

Or compost them



Rain Barrel & Compost Bin
Order Now! SALE! While Supplies Last!

Rain Barrel Sale \$69
Reg. \$139

Compost Bin Sale \$55 Reg. \$105

Order online then pick up your pre-ordered rain barrel & compost bin in Coon Rapids on Saturday, June 14, 2014! Visit our website for details!

For more info & to order visit:
RecycleMinnesota.org

Logos: Recycle Minnesota, Coon Creek Watershed District, Anoka County, Coon Rapids

Protect our water!

Composting News What is Compost?

Compost Sites

Connecting you with Composting Sites Nationwide

Category Archives: Anoka County

Rice Creek Chain of Lakes, MN Compost Site

by admin on October 2, 2012

Please note hours and fees before going to either site. Rice Creek Chain of Lakes Compost Site Location: 7701 Main St, Lino Lakes, south of 35W off CSAH 14 (Main Street), there is no exit from 35W to County Road 14, use the Lake Drive (CSAH 23) exit from 35W and take Lake Drive north [...]

Categories: Anoka County | Tags: rice creek chain of lakes | Share on: Twitter, Facebook, Delicious | Permalink

Bunker Hills, MN Compost Site

by admin on October 2, 2012

Please note hours and fees before going to either site. Bunker Hills Compost Site Location: 13285 Hanson Blvd, Coon Rapids, one mile north of CSAH 14 (Main Street) Hours of operation: April – November, weather permitting Monday – Friday: 10 a.m. – 7 p.m.* Saturday: 9 a.m. – 5 p.m.* Sunday: 12 p.m. – [...]

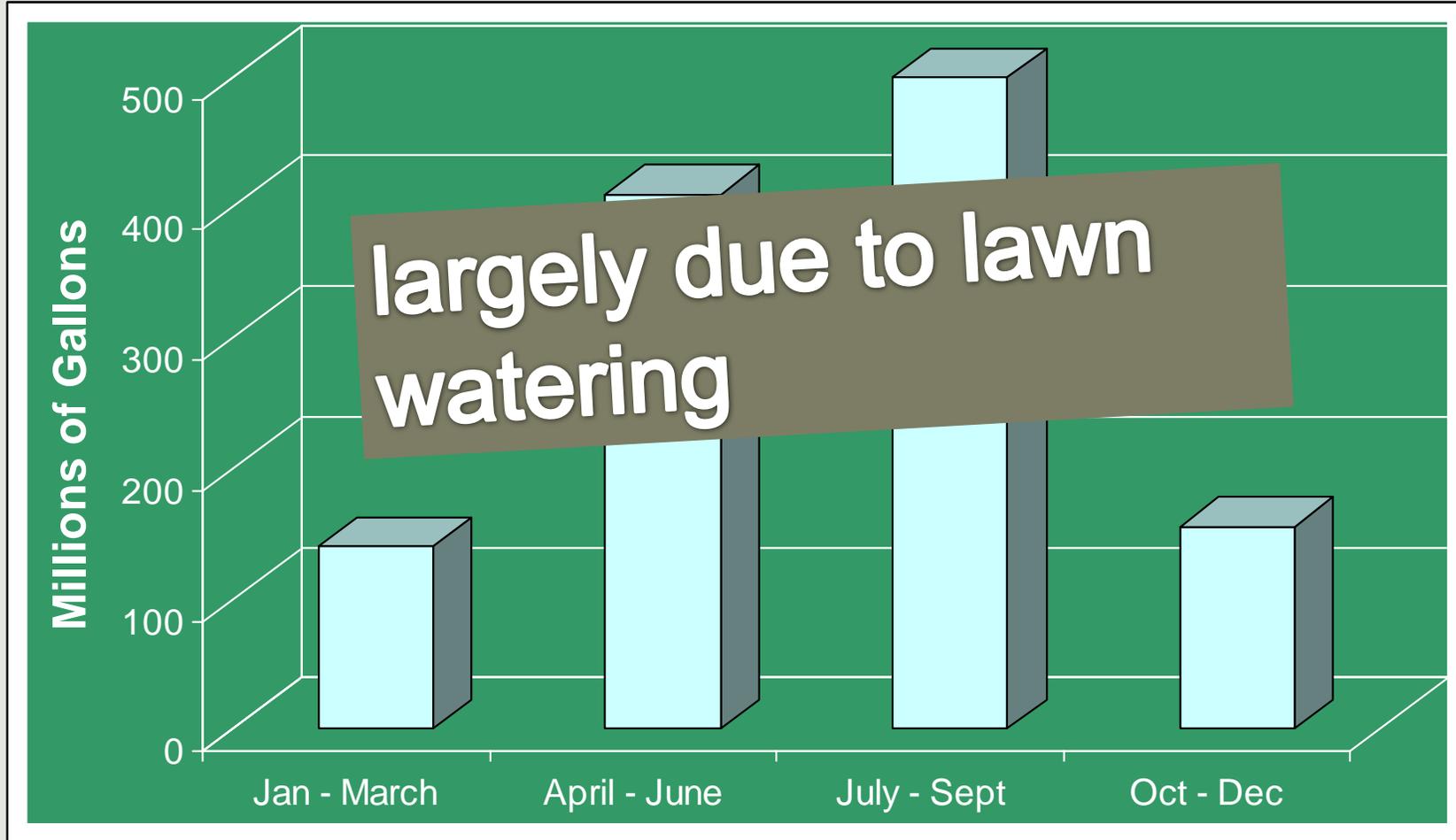
Categories: Anoka County | Tags: bunker hills compost site | Share on: Twitter, Facebook, Delicious | Permalink

Where to Compost in Anoka County, MN

by admin on October 2, 2012

Compost Sites Yard and Tree Waste Mulching naturally fertilizes and strengthens the lawn to make it more resistant to disease. Simply mow and leave the clippings where they lay. No cost, no bagging, no hauling.

Anoka County- seasonal water use



Think Deep!

- **Water early (by 9am)**
- **Once/week - 1.5-inches**
- **Use Soil Moisture Sensors**



Protect our groundwater!

Snow & Ice Removal

Shovel first, then use sand for traction



Protect our water!

Education

Chloride mgmt trainings



Protecting our water!

Public Utilities on Private Streets

The City maintains sewer and water utilities.

Associations need to not cover manholes and valves on seal coat projects.



Public Utilities on Private Streets

Valves/manholes left too low/high on overlay projects.



Public Utilities on Private Streets

Contractors should use tar paper and sand to cover manholes and valves during seal coat projects.



Public Utilities on Private Streets



1. Contact the City before your next seal coat or overlay project.
2. A right of way permit is required (no fee). Form found on City website.
3. City staff can provide guidance on properly conducting the work.