

## Appendix A

### BMP Cost-Share Program 2014 Annual Report Presentation

# 2014 Year End Report



**VB** Valley Branch  
Watershed District  
established November 14, 1968

**Tara Kline**  
**Natural Resource Specialist**  
**WCD**

# What Happened in 2014?

## Washington County

### What Happened in 2014?

- 233 Site Visits
- 68 BMP's in the Ground
- TP = 68.75 lbyr



### 2014 BMP Program Review

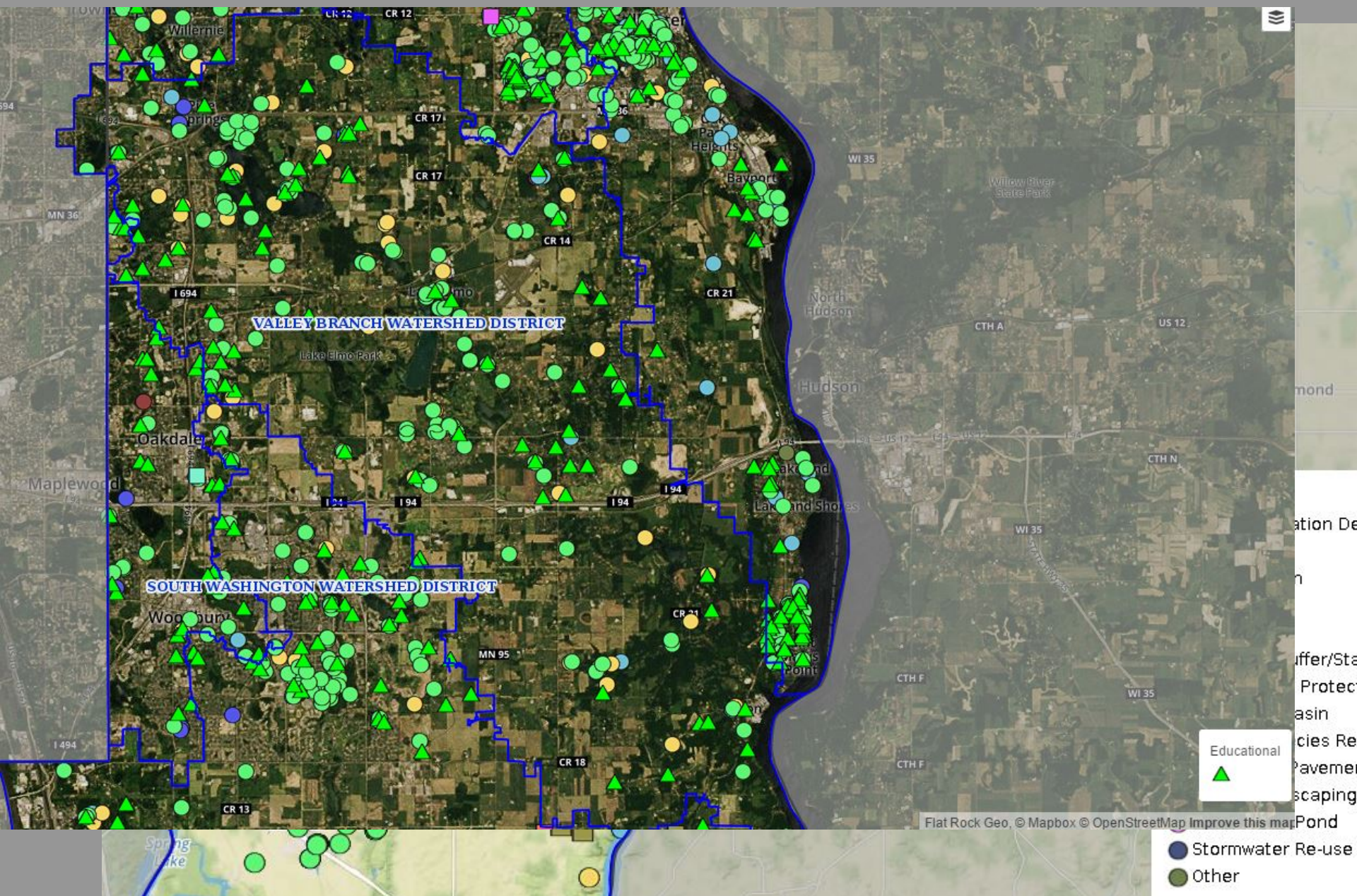
Watershed	# of Site Visits	# of Practices Installed/ Closed-Out	# of Applications Approved	# of Practices in Installation Phase	# of Practices with Technical Assistance Only	Total # of Practices from Previous Years Completed	TP Load Reduction for Installed Practices (Total Phosphorous) lbs/yr	TSS Load Reduction for Installed Practices (Total Suspended Solids) lbs/yr
BCWD	29	2	2	8	6	1	0.35	55
CLFLWD	17	2	4	0	0	1	0.37	61
RCWD	17	0	1	0	8	1	0.8	72.23
CMSCWD	25	4	7	1	6	1	10.72	10285
RWMWD	14	1	3	1	1	5	4.19	1014
SWWD	44	2	7	0	4	9	26.83	40152
VBWD	49	4	0	10	35	10	1.86	141.6
MSCWMO	38	18	0	1	18	7	23.63	6342
Totals	233	33	24	21	78	35	68.75	58122.83

### Summary of BMP's per by year (2010 - 2013)

Year	# of Site Visits	# of Projects Installed/ Closed-Out	# of Projects Completed (TA Only)	# of Projects (In-Progress)	Load Reduction for Installed Projects TP (Total Phosphorous) lbs/yr
2013	240	62	45	115	92 ( Ag/top50p! = 55 lbs TP)
2012	262	70	N/A	71	177 (Ag/top50p! = 121 lbs TP)
2011	N/A	111	N/A	N/A	128
2010	N/A	89	N/A	N/A	N/A



## What Happened in 2005- 2014?

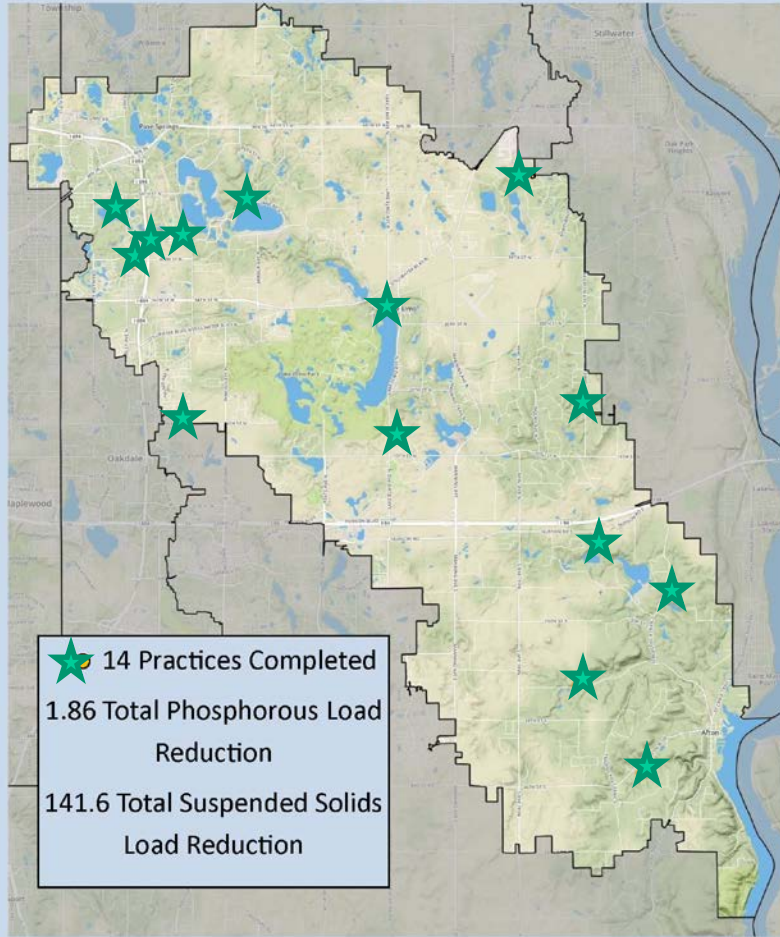




# What Happened in 2014?

## Valley Branch Watershed District

2014



Site Visits:

49

Approved Applications:

14, 15 applied

Completed Practices:

4

Completed Practices :  
*(from previous years)*

10

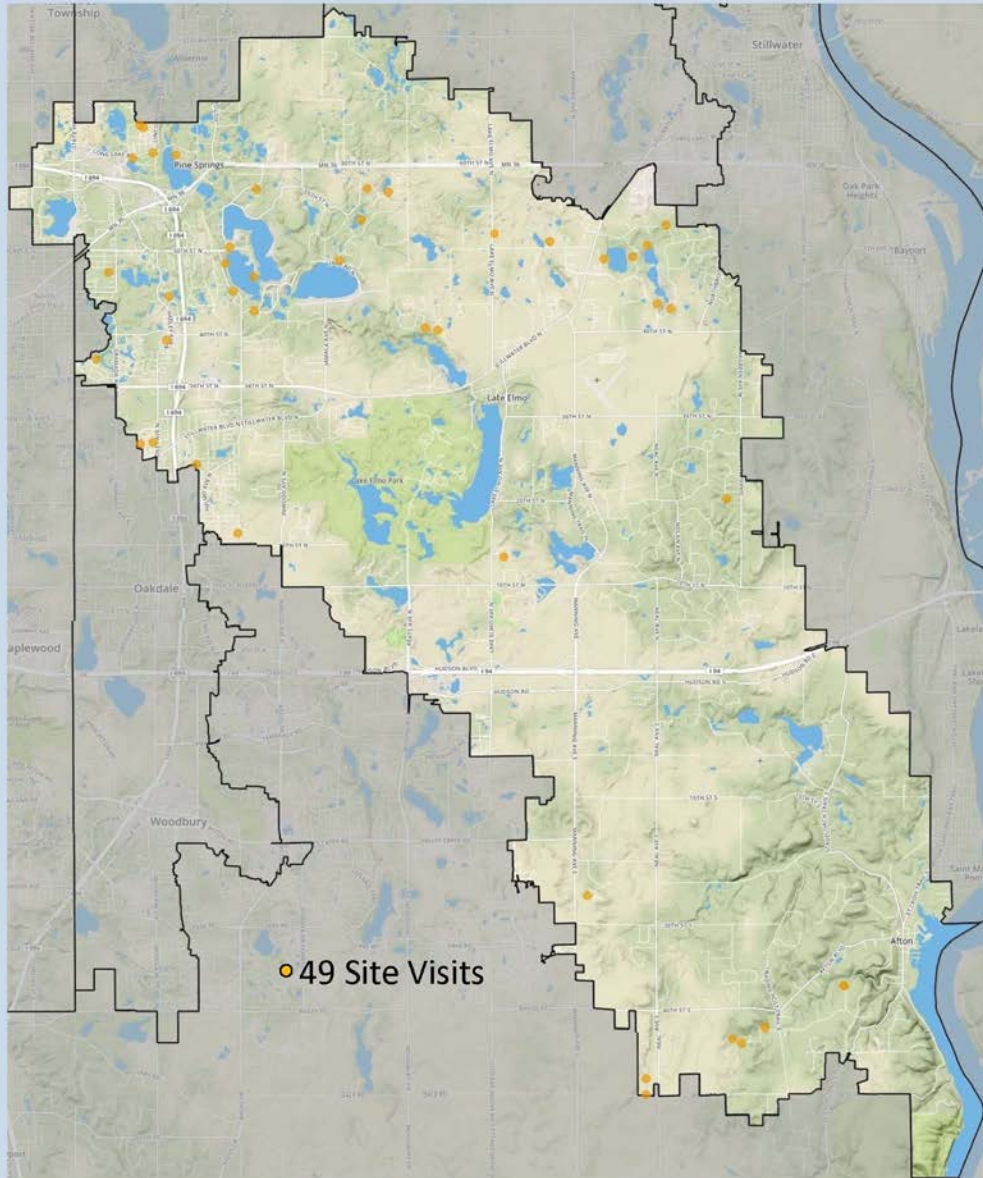
TP Reductions:

1.86 lbs/yr

TSS Reductions:

142 lbs/yr

2014



## Site Visit Practice Breakdown 2014

Grassed Waterway	1
Invasive Species Removal	8
Other (Site Visit)	8
Pollution prevention - Native Landscaping	11
Raingarden	18
Stormwater Pond - Extended detention (wet)	1
Water and Sediment Control Basin	1
Wetland Restoration	1
Total Practices:	49

## Approved 14:

4 Complete

10 In Progress

## 10 Questions

- How they are doing?
- Plant ID

## 10 Personal Reasons

- Time/Cost (concept done)
- Didn't move forward (concept done)

## 15 Other

- Never Responded
- Not Their Land
- BMP doesn't work where they want it.
- Didn't move forward (concept done)
- Future construction in area of proposed BMP.



# What Happened in 2014?

## Total Number of Site Visits Per City & Represented Practice Types in 2014

Afton	8
Grassed Waterway	
Invasive Species Removal	
Other (Site Visit)	
Pollution prevention - Native Landscaping	
Raingarden	
Water and Sediment Control Basin	
Lake Elmo	15
Invasive Species Removal	
Other (Site Visit)	
Pollution prevention - Native Landscaping	
Raingarden	
Stormwater Pond - Extended detention (wet)	
Wetland Restoration	
Mahtomedi	2
Pollution prevention - Native Landscaping	
Raingarden	
Oakdale	10
Other (Site Visit)	
Pollution prevention - Native Landscaping	
Raingarden	
St Paul	2
Pollution prevention - Native Landscaping	
Raingarden	
Stillwater	11
Invasive Species Removal	
Other (Site Visit)	
Raingarden	
White Bear	1
Other (Site Visit)	
West Lakeland	0
Total	49

Site Visits

## Practices Installed in 2014 By City

(Includes 10 Past Practices Completed In 2014)

Afton	4
Belwin Conservancy Weed Grant	
Sinclair Native Landscaping	
Thomas Native Landscaping	
Wilcox Prairie Restoration	
Lake Elmo	3
Phelan Native Planting	
Homestead Development Native Landscaping	
Sidler Native Landscaping	
Mahtomedi	0
Oakdale	5
Bergstrom Native Landscapin	
Marin Bioinfiltration	
Sagstetter Native Landscaping	
Schneider Native Landscaping	
Wilson Native Landscaping	
St Paul	0
Stillwater	1
Melin Raingarden	
White Bear	0
West Lakeland	1
Noyes Bioinfiltration	
Total	14

Installation

# What Happen in 2014?

## 2014 Completed Practice Subwatershed Breakdown

### Subwatershed

Acorn Lake	ACN-1	1
	Total	1

Beutel Pond	BTL-25	1
	BTL-29	1
	BTL-41	1
	Total	3

Lake Edith	EDI-1	1
	Total	1

Lake Elmo	ELM-1	1
	Total	1

Eagle Point Lake	EPL-15	1
	Total	1

Horseshoe Lake	HRS-12	1
	Total	1

Lake Jane	JAN-1	1
	Total	1

Kelle's Coulee	KCS-01	1
	Total	1

McDonald Lake	MCD-1	1
	Total	1

Mergens Pond	MRG-1	1
	Total	1

North Fork Valley (Br	NVB-7	1
	Total	1

South Fork Valley (Br	SVB-9	1
		1

VBWD 2014 Total 14





Jesse Wilcox  
14725 Afton Blvd S  
Afton, MN



## AFTER

Turf to Prairie, Complete





BEFORE



BEFORE



AFTER



AFTER







# 2014 Project Review, Sagstetter Residence

Eagle Point Lake



Japanese Angelica Tree,  
Invasive





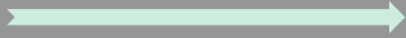








Bergstrom

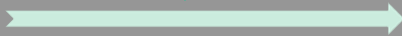


Acorn Lake



All Received  
Native Plant Grant

Thomas



South Fork Valley



Wilson



Beutel Pond





# 2014 Project Review,      Awarded in 2013, Installed 2014

Homestead  
Development



Horseshoe



Native Plant Grants

Sinclair



North Fork Valley





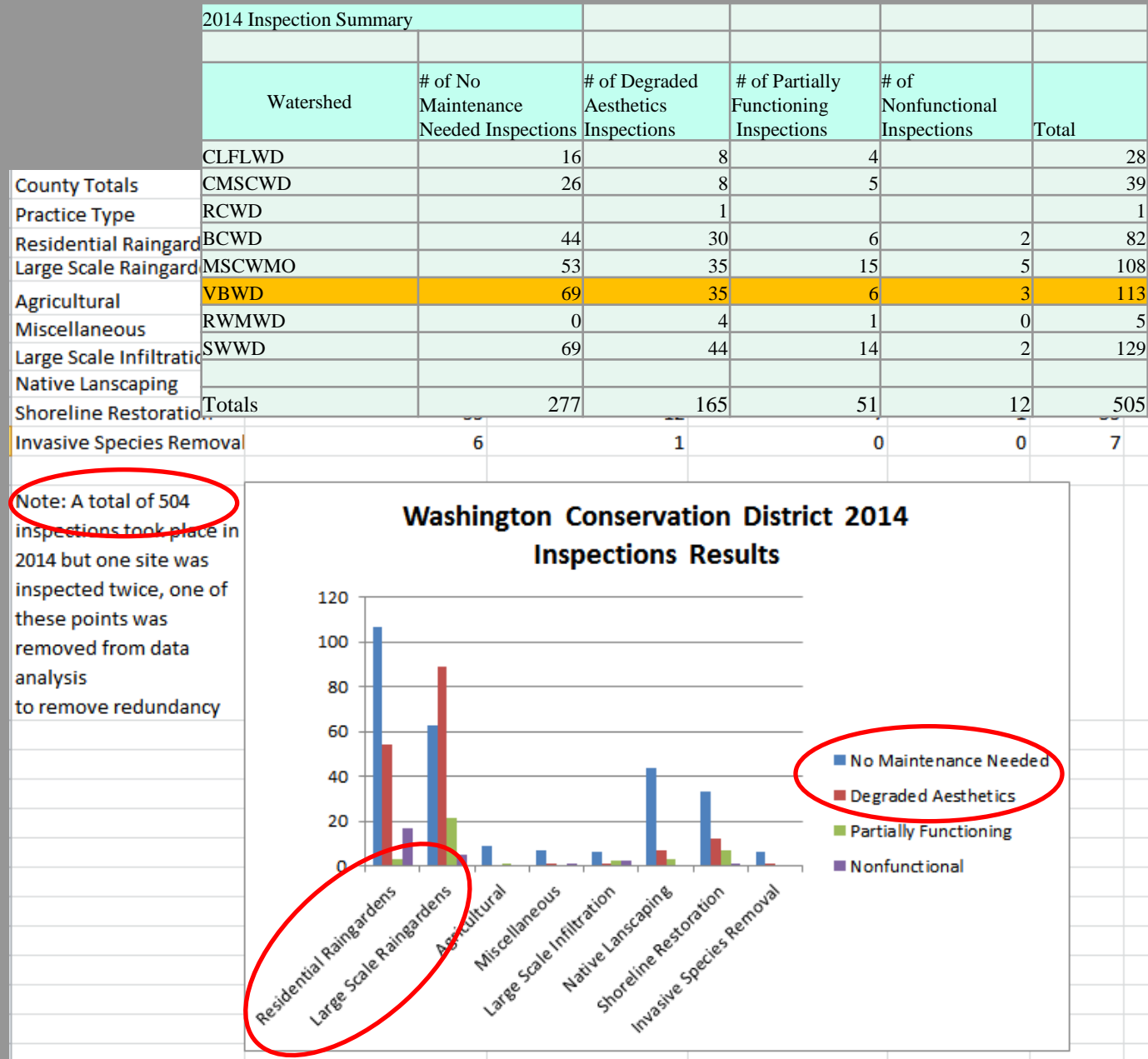
# 2014 Recap

## MCC Continued Assistance on 2012 Lake Elmo Raingardens



# 2014 Inspections

- **MCC Apprentice, Sandman in the field.**
- New MCC Apprentice starts in May 2015.





# 2014 Inspections – Non Functioning

## 1. Ptasienski, 5715 Highlands Lake Elmo

### Reason for Maintenance

sandbags are blocking the inlet

### Suggestions to fix practice

remove before the 2015 growing season



## 2. Kirkwold, 8010 DeMontreville Trl Lake Elmo

### Reason for Maintenance

sandbags are blocking the inlet

### Suggestions to fix practice

remove before the 2015 growing season



## 3. Meier, 289 60<sup>th</sup> St. N. Mahtomedi

### Reason for Maintenance

was not functioning, land owners expanded dry creek bed And added retaining walls, back garden nonfunctional

### Suggestions to fix practice

Widen dry creekbed



# 2014 Review

1. **EMWREP in/near VBWD:** Articles and Workshops.

Backyard workshop, Lawn Care, Raingarden Design Charrettes. Many site visit gathered from County Fair, other partner workshops.

(**2015**, Groundwater wksp, Backyard wksp, March 7<sup>th</sup> Discovery Center Oakdale Master Gardeners wksp)

2. **Weather:** June 19, 2014 : Wettest June Day Ever 3.95"

2<sup>nd</sup> Wettest June Ever at 10.58"

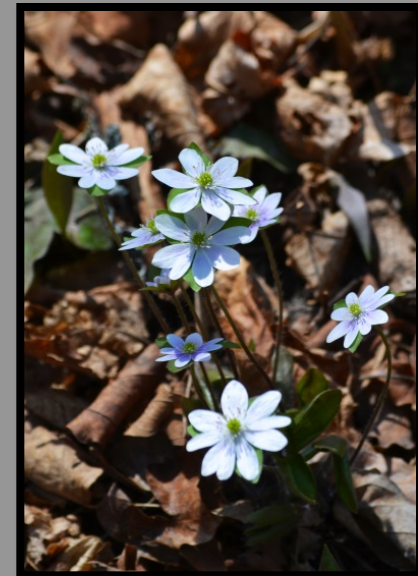
3. **Landowners:** Busy with landowners from past years.

Added Assistance > Load Reduction

4. **MCC :** Continued time and maintenance spent on correction of Lake Elmo 2012 raingardens. (2015, MCC 4 days)

5. **Priority this year :** Plant Grant & Raingardens.

6. **Maintenance:** Girl Scouts, Lions Club, City of Lake Elmo





# 2014 Recommendations



1. **Inspections:** 5 year grants, Inspect yearly ?
2. **Time:** Using the Homeowner Packet more for small benefit projects and spending design/assistance time on larger benefit projects.
3. **Motivation:** Landowners are motivated to protect their yard and to improve water quality.
  - A. Poor drainage or saved up to beautify yard
  - B. Common barriers include time, funding
4. **Target outreach.** Currently no target area.  
*Can have both overall outreach and targeted.*  
Ideas:
  - A. Rotation of events around VBWD.
  - B. Oakdale/Lake Elmo large turf acreage lots
  - C. Increase marketing in newsletters, brochures and agency websites.
  - D. SWA studies going after BMP's with Larger Load Reduction.



# 2014 Current Grants

CWF, FY 13, FY 14

- FY 13 - Turf to Prairie
- FY 14 – Lake St. Croix Rural Subwatershed Implementation , Breakfast Mtg March 4 &5 (Top 50 P Phase 2)
- FY 14 – Green Communities, HOA, One VBWD



**CONVERT YOUR LAWN TO PRAIRIE**



**SHORTGRASS PRAIRIE**

Shortgrass prairies are dominated by short to mid-height grasses and flowering plants, adapted to growing in drier site conditions. Shortgrass prairies make excellent plantings where preserving viewsheds are important. For this program, seed mixes generally consist of 70% grasses and 30% flowering plants. A few examples of species characteristic to this mix are little bluestem, blue and gold oats, buffle grass, horse grass, dotted blazing star, butterfly milkweed, prairie coneflowers, and purple prairie clover.



**TALLGRASS PRAIRIE**

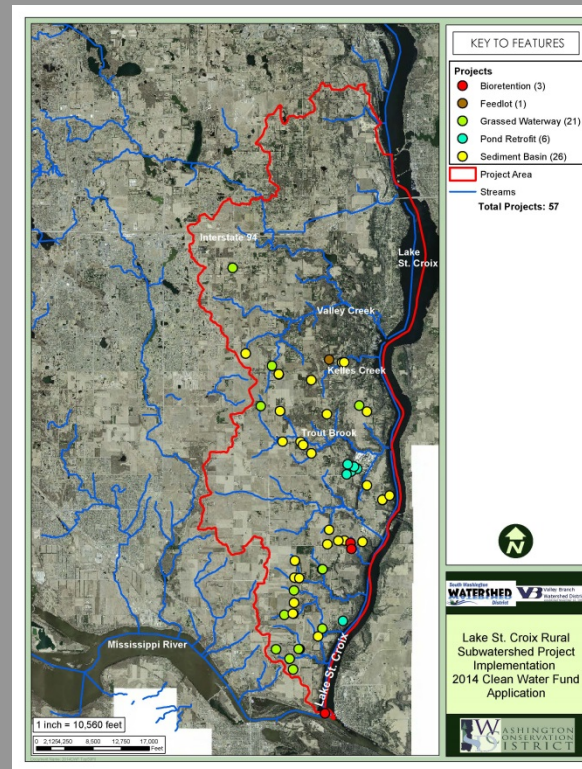
Tallgrass prairies are easily adapted to a wider range of site conditions. This particular plant community is known for its dense vegetation, taller plant heights, and supporting large variety of grasses and flowering plants – with an attractive year-round quality. For this program, seed mixes generally consist of 50% grasses and 50% flowering plants. A few examples of species characteristic to this mix are thick-eyed rumex, knee-high soybean, yellow coneflower, big bluestem, and switch grass, as well as many goldenrods and asters.



**OAK SAVANNA**

Oak savannas are best defined in terms of the openness of the tree canopy. In contrast to a forest, which has a closed canopy, the oak savanna canopy is more open, ranging from 10% to 30%. For most, the essential character of this plant community is the presence of scattered "open-grown" oak trees. For this program, seed mixes will generally consist 80% grasses and 20% flowering plants, due to the exposure of the oak trees. A few examples of species characteristic to this mix are big and little bluestem, Indian grass, and switch grass, along with a few goldenrods and asters.

For More Information: Contact Andy Schilling at 651-275-1136 x.43 or [aschilling@mnwcd.org](mailto:aschilling@mnwcd.org)



**\$\$ Grants for HOAs \$\$**

Did you know?  
Funding is available in 2015-2016 to help Homeowner's Associations address clean water concerns.

Homeowners across Washington County are rethinking how to manage water on their properties. Lawns are being transformed into lush native landscapes that protect our water and save money. *Learn how you can do it too.*

**Grants for HOAs**

The Washington Conservation District currently has funds through the Minnesota Board of Water and Soil Resources to help Homeowner's Associations manage water more effectively and efficiently on their common areas. The program grant will pay a portion of the cost for installing a raingarden, converting turf grass to native prairie plants, or installing a stormwater reuse project. Grant funds\* are available for HOAs in Washington County.

For more info, contact:  
Jenn Radtke, Education Assistant  
455 Hayward Ave N. Oakdale, MN  
651-330-8220 x.44 [jradtke@mnwcd.org](mailto:jradtke@mnwcd.org)  
[www.mnwcd.org](http://www.mnwcd.org)

\*All landowners in Washington County are eligible for a free site visit and may qualify for this or other cost-share grants through local watershed districts.

**Less is More!**

- Reduce water bills
- Bring in beneficial wildlife
- Beautify your property
- Help protect local water resources

# ***THANK YOU!***



*Tara Kline  
Natural Resource Specialist  
Washington Conservation District*