

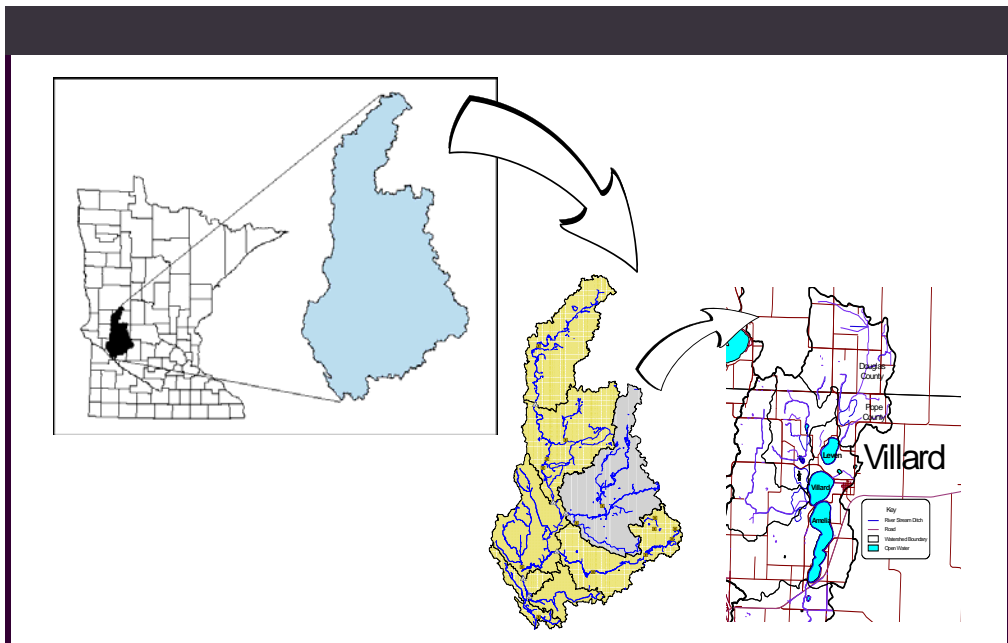
Chippewa River Watershed Project

Project Title: Amelia-Villard-Leven Lakes ISTS Inspection and Assessment

Water of Concern
Lower Minnesota River

Impairment
Dissolved Oxygen

CWL Funding by Category	
Technical Assistance Funds	
SSTS Funds	\$60,000
Professional Development	\$0
Hired Positions	\$0
Total TA Funds	\$60,000
Implementation Funds	
AgBMP Loans	\$0
CWAG Funds	\$0
Leveraged Dollars	\$0
Total Imp. Funding	\$0
Total CWL Funding	\$60,000



Overall Project Description (abstract)

The Amelia-Villard-Leven chain of lakes is the headwaters of the East Branch Chippewa River and is located in Pope County. This area is served by the Villard Area Lakes Sanitary District (VALSD) and is experiencing deteriorating water quality due to excessive nutrients and elevated bacteria levels. To better identify sources of pollutant loading, the Chippewa River Watershed Project (CRWP) partnered with the VALSD to complete voluntary Subsurface Sewage Treatment System (SSTS) inspections and collect necessary assessment data to create a wastewater treatment plan. This project provided updated and valuable information for making environmentally sound decisions for the VALSD.

Detailed compliance inspections were completed on most residential properties surrounding the three lakes, excluding the three large resorts and new systems, for a total of 328 inspections. The compliance inspections revealed a total of 60 noncompliant systems. In addition to the noncompliance systems, 80 systems failed to meet setback requirements and 106 sites were holding tanks only.

A Wastewater Treatment Plan was developed by Widseth Smith & Nolting using the inspection and assessment data and resulted in the recommendation of the construction of a collection and treatment system as an expansion of the City of Villard. A Project Priority List scoring worksheet was prepared and submitted. The complete report is on file at the CRWP office. The VALSD has not yet acted upon the report recommendation.

PROJECT CONTACT

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320-269-2139 ext 120

BWSR Contact

Matt Drewitz
507-359-6076

Project Number:
07R76

Conservation Practices Implemented

Name of Conservation Practice(s) Installed	Number or Linear Feet Installed	Estimated Pollutant Load Reduction (include units)	Total Cost
N/A	N/A	N/A	N/A

Conservation Planning Activities

Name of Plan(s) Written	Number of Landowners Contacted	Number of Plans Written	Total Cost	Types of Practices Identified	Number of Practices Identified	Number of Practices Implemented
Wastewater Facility Plan	328	1	15,070.65	Gravity collection and stabilization pond, Pressure sewer collection and stabilization pond, CLuster system, SSTS upgrades,	4	N/A

Contributing Partners:

Partner	Description	Project Contribution	Leveraged Funds
Chippewa River Watershed Project	Grant Applicant and Reporter		
Pope County	Fiscal agent		
Villard Lakes Area Sanitary District	Grant Task Management		

Project Informational/Educational Activities

Type of Activity	Newsletters, Brochures, Posters, Etc.	Work with Kid Groups	Tours, Demos, Etc.	Presentations Given	Presentations by guest speakers	Other
	2				1	

A public meeting was held at the onset of the project to inform VALSD constituents of the upcoming inspections and to discuss wastewater options. Inspection results were mailed constituents. Public notice was placed in the local newspaper.

Project Outcomes: detail specific project outcomes that work towards meeting Restoration (total maximum daily load studies) and Protection (local water plans) water quality goals

For restoration project, please include overall Overall TMDL Point Source Reductions Needed (% & Pounds) Overall TMDL Non-Point Source Reductions Needed (% & Pounds) Estimated Total TMDL Non-Point Source Reduction (% & Pounds) from Project(s)

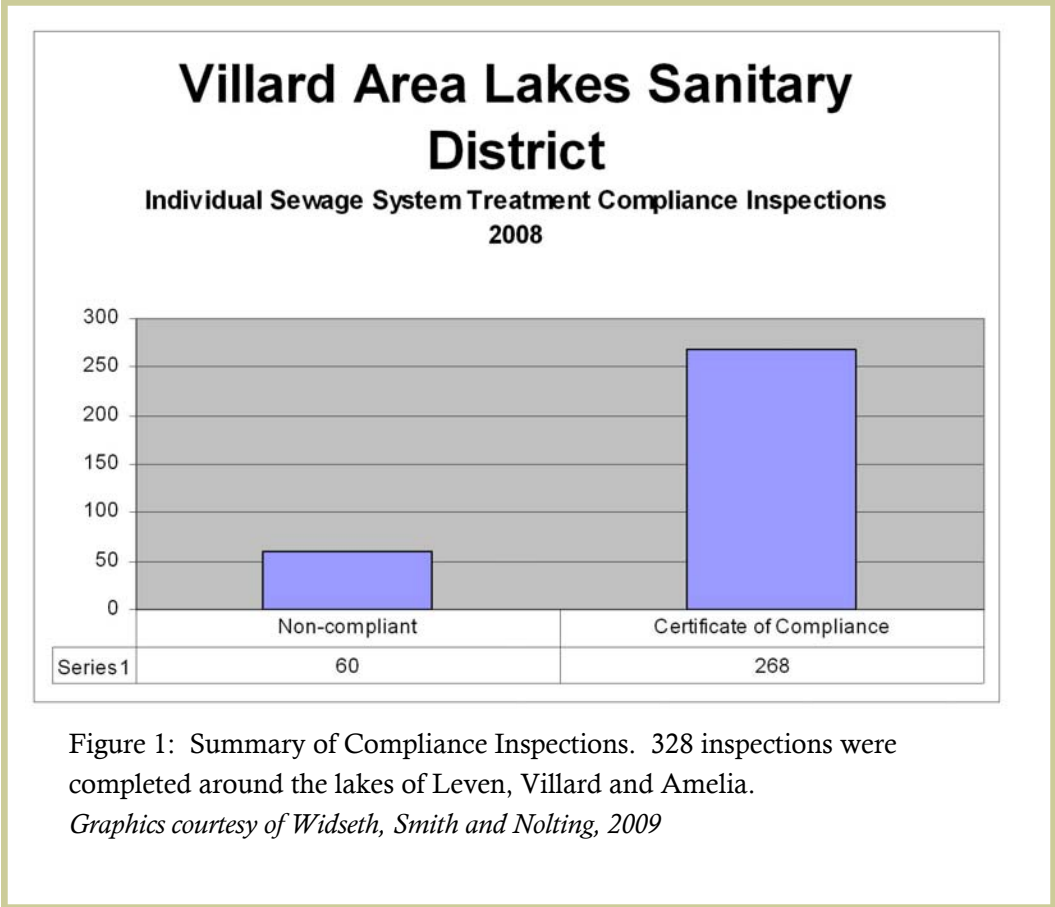


Figure 1: Summary of Compliance Inspections. 328 inspections were completed around the lakes of Leven, Villard and Amelia.
Graphics courtesy of Widseth, Smith and Nolting, 2009

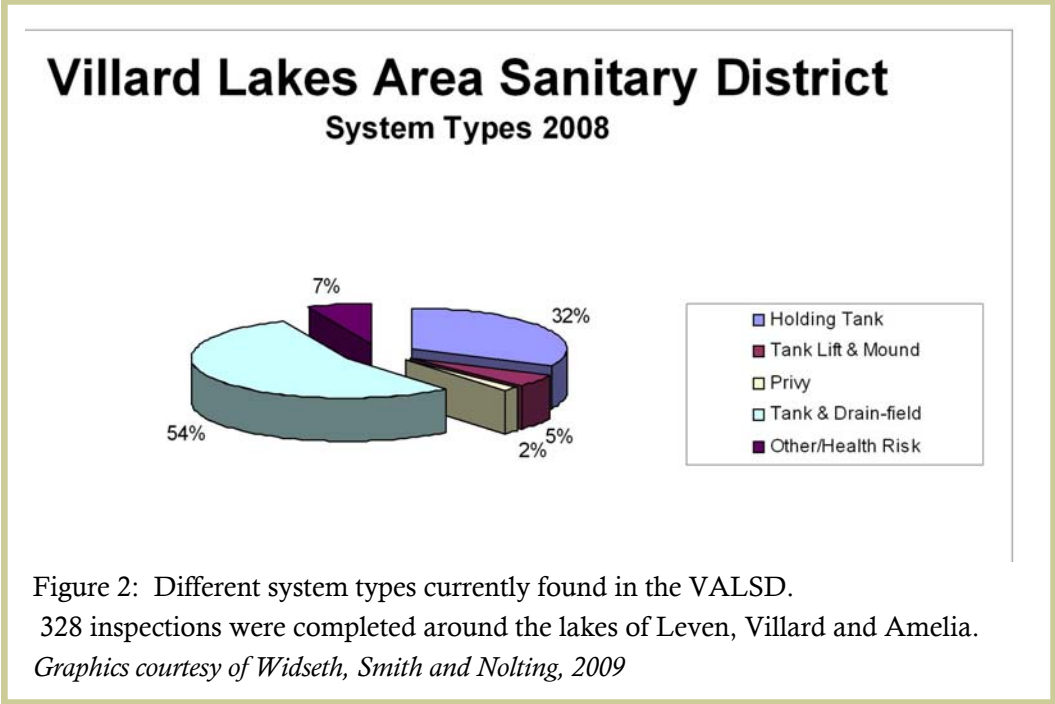


Figure 2: Different system types currently found in the VALSD.
328 inspections were completed around the lakes of Leven, Villard and Amelia.
Graphics courtesy of Widseth, Smith and Nolting, 2009

