

# STEWART RIVER WASTEWATER IMPROVEMENTS

**PROJECT ID:**

306-25-00

**YEAR:**

1999

**GRANTEE:**

Town of Silver Creek

**COUNTY:**

Lake

**CATEGORY:**

Coastal Land Use,  
Planning & Development

**GRANT AWARD:**

\$3,500

**TOTAL PROJECT COST:**

\$5,000

The mission of Minnesota's Lake Superior Coastal Program is to preserve, protect, restore & enhance coastal resources for present and future generations. We provide technical and financial assistance for local communities to balance protection of coastal resources with providing residents and visitors places to work, live, and play.



**FOR MORE INFORMATION:**

Lake Superior Coastal Program  
1568 Highway 2  
Two Harbors, MN 55616  
Phone: 218.834.6612  
[www.dnr.state.mn.us/waters/lakesuperior](http://www.dnr.state.mn.us/waters/lakesuperior)

**SUMMARY**

The Town of Silver Creek received funding to update their Stewart River Wastewater Facilities Plan. The update was needed to compare previous plan recommendations with the possibility of a clustered wastewater system.

A clustered system would serve both commercial and residential connections in the area along the Highway 61 corridor, including the Stewart River and Burlington Bay Road areas.

The amended Stewart River Wastewater Facili-



ties Plan, completed in 2001, evaluates cluster on-site wastewater systems such as recirculating sand filter, mound treatment, and aerobic treatment systems.

The options were evaluated based on construction, operation, maintenance, and future replacement costs. Based on this evaluation, the most cost-effective solution for the area would be the construction of the wastewater stabilization pond or connection to the City of Two Harbors Wastewater Treatment Facility.

Stewart River Area Cluster Systems	Flow
Area 1	2000 GPD
Area 2	3750 GPD
Area 3	3500 GPD
Area 4	2000 GPD
Area 5	2250 GPD
Area 6	4750 GPD
Area 7	6500 GPD
Area 8	2250 GPD
Area 9	4250 GPD
Area 10	6750 GPD
Area 11	2500 GPD
<b>TOTAL</b>	<b>40,500 GPD</b>
<b>Individual Residences</b>	
10 Homes @ 250 gpd	2500 GPD
<b>Total Stewart River Flows</b>	<b>43,000 GPD</b>
<b>Burlington Bay Road Area</b>	
Current Residential Connections	4500 GPD
Future Residential Connections	4500 GPD
Future Commercial Connections	5000 GPD
	14,000 GPD
The total flow for the service area is therefore 57,000 GPD.	

