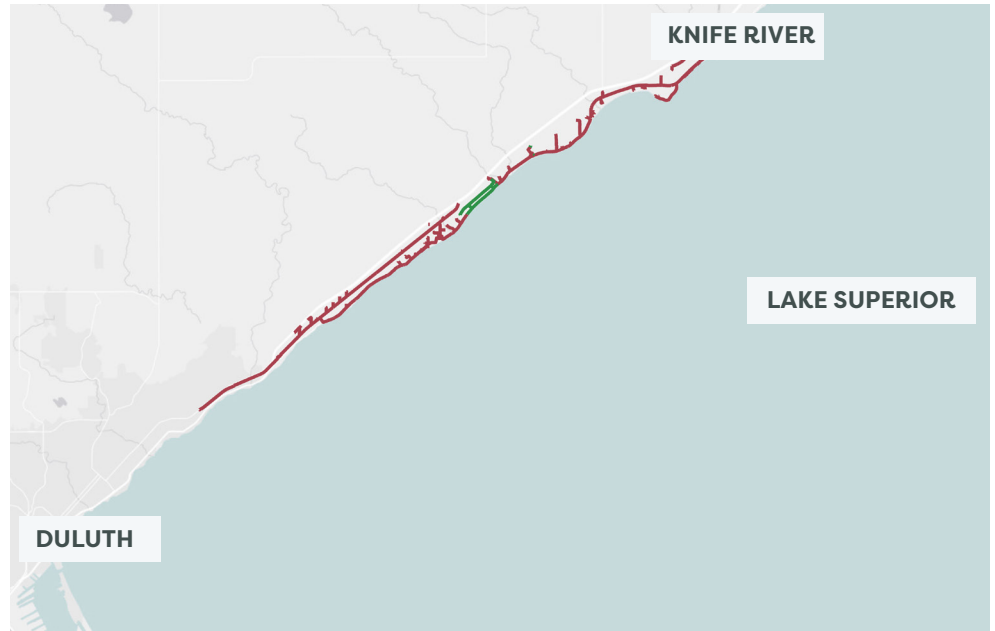


DULUTH NORTH SHORE SANITARY DISTRICT

Inflow & Infiltration (I&I) Reduction Project

Protecting Lake Superior. Protecting Minnesota's Greatest Natural Resource.

This project is located along the scenic North Shore of Lake Superior, between Duluth and Knife River. The majority of the sewer system is located just 1–2 blocks uphill from Lake Superior. If the sewer system fails, contaminated water has a direct path to the lake. This investment focuses on prevention—before damage occurs



WHY THIS PROJECT IS CRITICAL

- The sewer system is immediately uphill from Lake Superior
- Failures drain directly toward the lake
- Acidic soils and frequent storms accelerate corrosion
- There is no practical way to clean up pollutants once they reach the lake

What I&I Means

- Rain and snowmelt enter sewer pipes through cracks, overwhelming the system during storms. This leads to equipment failures, emergency overflows, and higher long-term costs.

What This Project Does

- Keeps stormwater out of sanitary sewers
- Reduces emergency failures during heavy rain
- Extends infrastructure life
- Protects Lake Superior from contamination
- Stabilizes long-term sewer costs

Community Impact

- 420 customers served
- Average residential sewer bill: \$170/month (\$2,040/year)
- Second-highest sewer rates in Minnesota

Project Cost

- Total estimated cost: \$958,000
- Without funding: \$2,280 per customer
- Current sewer bills already equal 2.0% of median household income

Contact Information

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