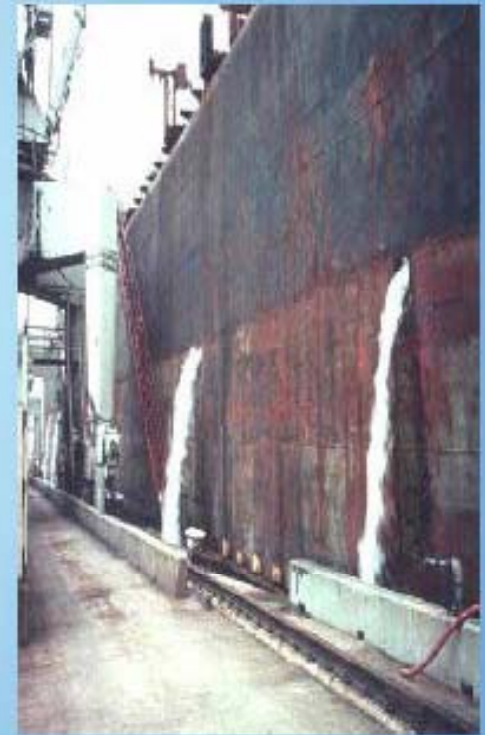
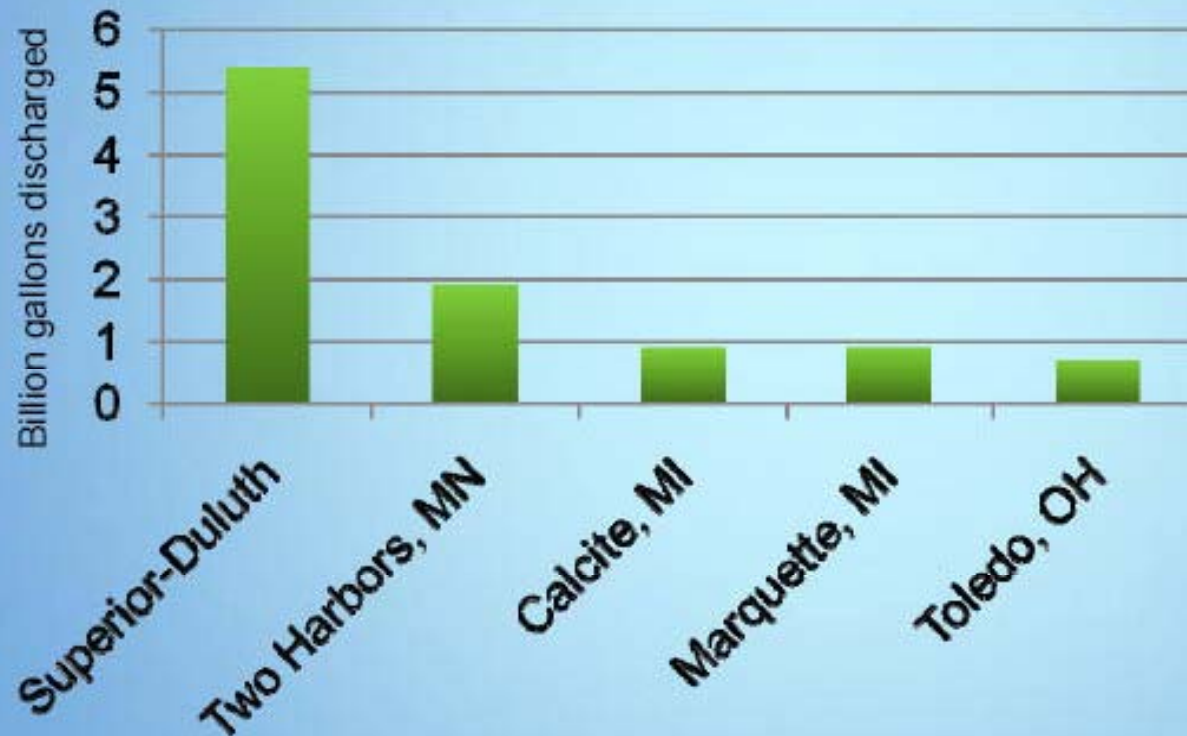


Minnesota Priorities for the Great Lakes  
Commission Meeting – October 7, 2008

# Top ballast receivers in 2005

Lakers discharge about 95% of ballast water;  
Oceangoing vessels about 5% in Superior-Duluth



Source: Preliminary Fisheries and Oceans Canada study data from 6-18-08 presentation by Chris Wiley, Transport Canada

# Lake Superior is least invaded of the Great Lakes

>125 AIS in all Great Lakes, about 1/3 found in Lake Superior



Bloody Red Shrimp  
*Hemimysis anomala*



Photo and map courtesy of Great Lakes Aquatic Nonindigenous Species Information System

# General permit schedule

[www.pca.state.mn.us/programs/ballastwater.html](http://www.pca.state.mn.us/programs/ballastwater.html)

Spring 2007    Initiated program development

March 2008    Initial stakeholder meetings

Mid April      Stakeholder input meetings on initial  
draft permit - St. Paul & Duluth

June 30        Start 30-day public notice

Sept. 23        Final permit issuance decision by  
MPCA Citizens' Board

# Implementation schedule

Ballast water treatment shall be installed to comply with the biological performance standards

For existing vessels

By January 1, 2016

For vessels constructed after January 1, 2012

Before operating vessel in Minnesota waters