

**Weighing the Costs and Benefits of Expanding the St. Lawrence Seaway:
An Economic, Environmental, and Policy Analysis**

Table of Contents

Pg.

Proposals to Expand Seaway

Figures and Tables
Pg.

Intro/Problem Statement

Background/Theory

Figure 1. Map of Great Lakes/St Lawrence Seaway System

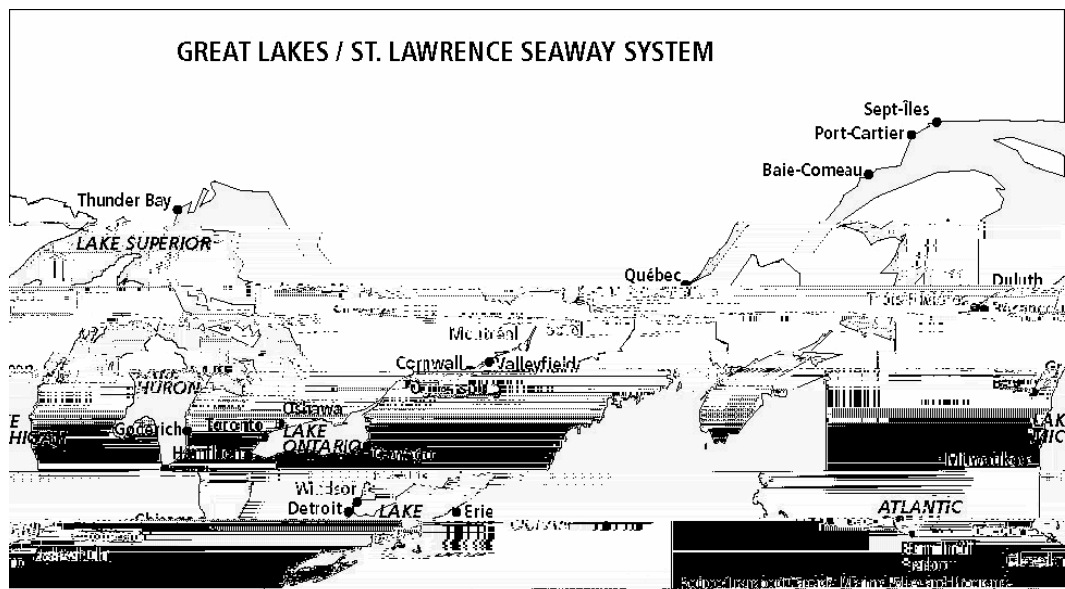


Figure 2. Actual and Corps's Projected St. Lawrence Seaway Navigation Traffic



Results

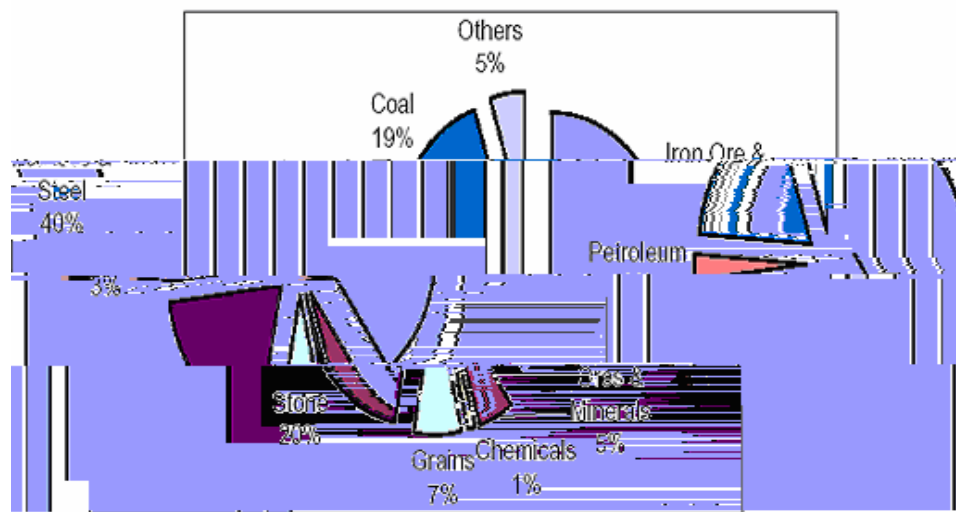
Table 2. Total Waterborne Trade

	Tons
--	-------------

Table 3. U.S. Waterborne Containerized Trade by Major Commodities: 2001
[in twenty-foot equivalent units (TEUs)]

Ranked by TEUs (twenty- foot equivalent units)	Exports		Imports	
	<u>Total</u>	<u>100.00</u>	<u>Total</u>	<u>100.00</u>

**Figure 3. Commodities Transported on the Great Lakes/St. Lawrence Seaway,
by volume**



Source: U.S. Army Corps of Engineers, *Information Paper: Great Lakes Navigation System Review*, 1997. Source: Economics Appendix 4, June 2002.

.

.

domestic *bi-national*

.

.

domestic *bi-national*

Figure 4. Great Lakes/St Lawrence Seaway Traffic by Origin and Destination, 1998

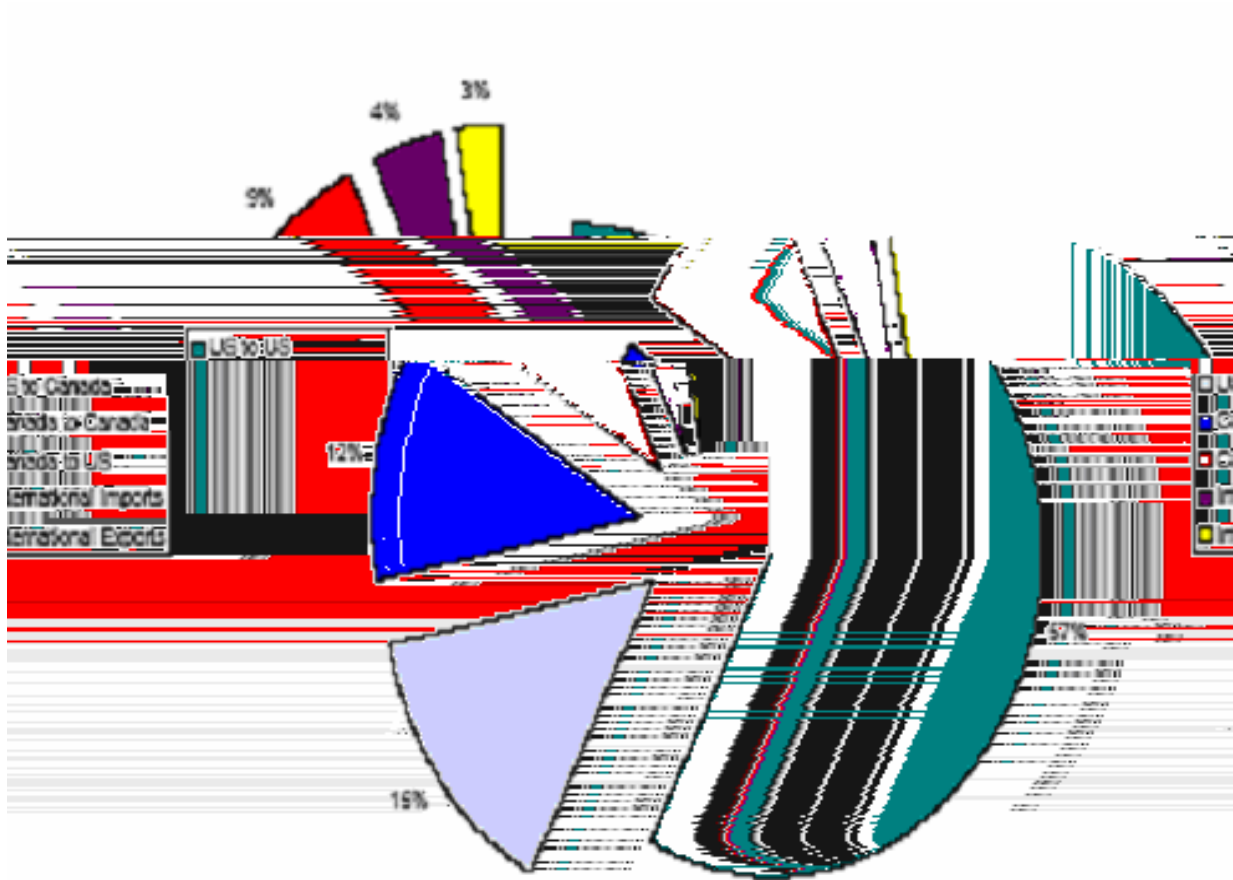


Table 4. Great Lakes versus Coastal Ports Commerce

	Great Lakes	Coastal
Overseas	5,687,722	1,162,598,344
Canada	51,048,216	-
Total	56,735,938	1,162,598,344

Table 5. Top 10 U.S. Maritime Container Ports: 1995, 2000, 2001 [thousands of twenty

**Figure 5. U.S. Waterborne Containerized Exports and Imports by Coastal Port Region:
2001**

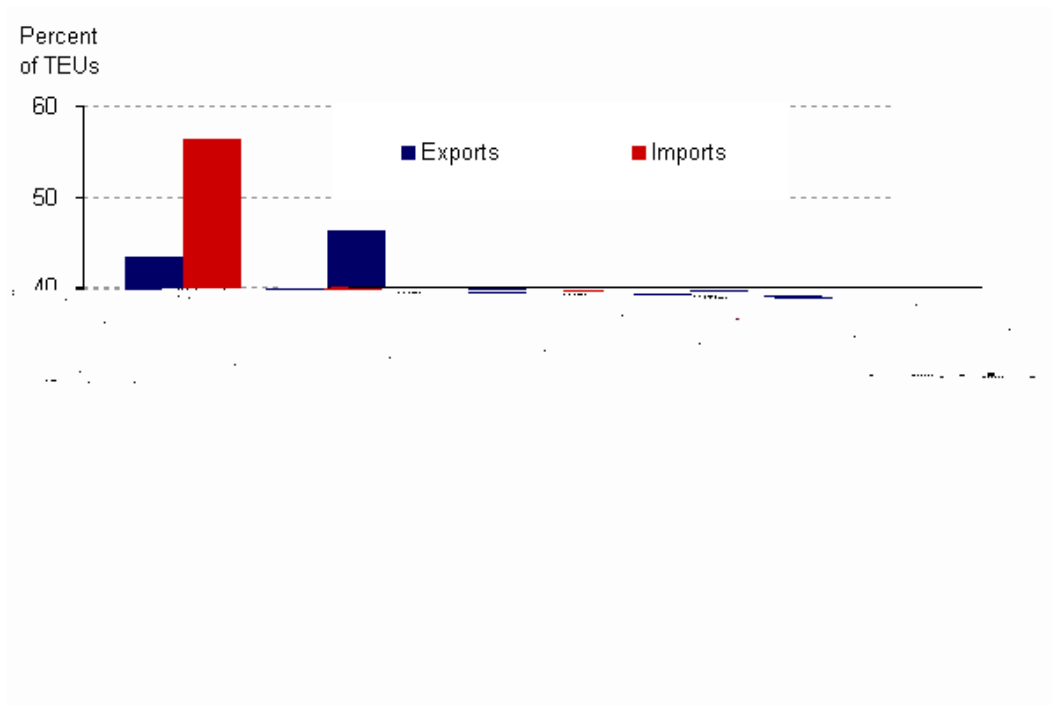
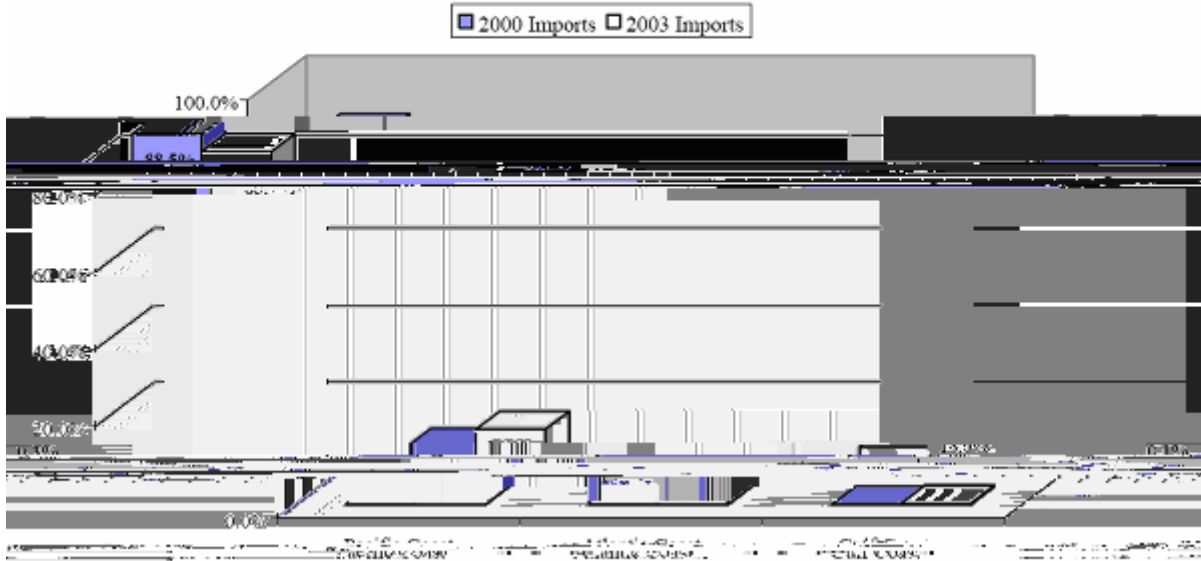


Figure 6. Percentage of Containerized U.S. Maritime Imports from China by Coast, 2000 versus 2003

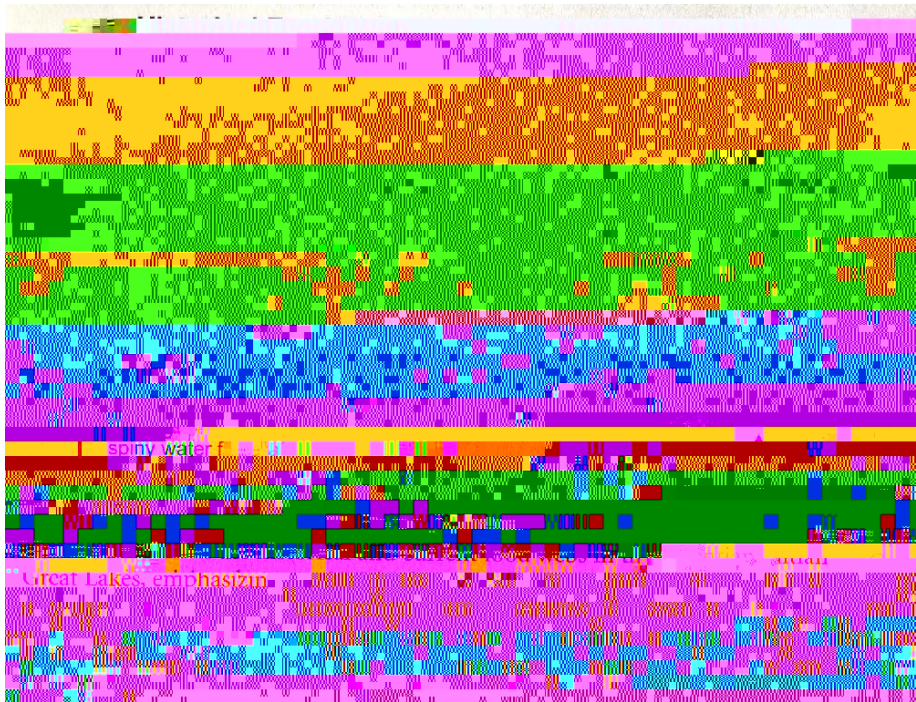


Note: 2003 data are preliminary.

Table 7. Economic Impacts of Shift-of-Port Activity

	Production	Income	Employment
	(\$,000,000) (2014)	(\$,000,000) (2014)	(2014)
Direct and indirect impacts in the United States and Canada			
Total (Direct + Indirect)			
U.S. State of Alaska	121,882	20,457	825
Canada	63,369	2,118	28
Total	185,251	22,575	853
Indirect impacts			
Total	63,369	2,118	28
Total impacts (Direct + Indirect)			
Total	248,620	24,693	881
Impacts include 61,981 jobs			

Figure 7. Historical Food Web versus Modern Food Web (with invasive species)



Conclusion

Bibliography

Health and Medicine

Week

Detroit Free Press
