

Communicating the Importance of Seaports

“Bringin’ It Home”

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A Little Insight into Who We Are

- Established in 1950
- A member of The Texas A&M University System
- Work on all modes of transportation
- Annually work with nearly 200 sponsors at all levels of government and the private sector
- At any one time, TTI has research projects in about 30 U.S. states and 20 foreign countries



The Importance of Sea Ports



Recent Research Topics

- Container on Barge
- Economic impacts
- Economic effects of lack of dredging
- Externalities
- Short Sea Shipping (Marine Highways)
- Current impacts
- Potential policies and incentives
- Protecting waterways from encroachment
- Transportation Rate Analyses
- Port Operations
- Harbor Masters



The Importance of Sea Ports

Just Texas... **20%**
U.S. tonnage

26%
foreign tonnage

(2007 data)



Direct Effect on GDP

- The top 13 port metropolitan areas accounted for 32% of US GDP in 2006. (Source: BEA)
- In 2007, international trade (representing imports and exports of all goods and services) was 29.7 percent of GDP, or about \$4.78 trillion of the total \$14.201 trillion GDP. (Source: Office of U.S. Trade Representative)
- Between 2005 and 2008, exports rose by 43%, accounting for 47% of overall GDP expansion. (USTR)
- One in six American manufacturing jobs is already supported by trade. (USTR)



The Importance of Sea Ports

The value of all international trade (goods and services by land, air and sea) accounts for more than 32 percent of the U.S. GDP.

That value, which was 13 percent in 1990, is forecast to increase to the equivalent of 37 percent by 2015 and 60 percent by 2030.



The Importance of Sea Ports

Creating Jobs

- Seaport-related jobs account for \$649 billion in personal income.
- For every \$1 billion in exports shipped through seaports, 15,000 U.S. jobs are created.





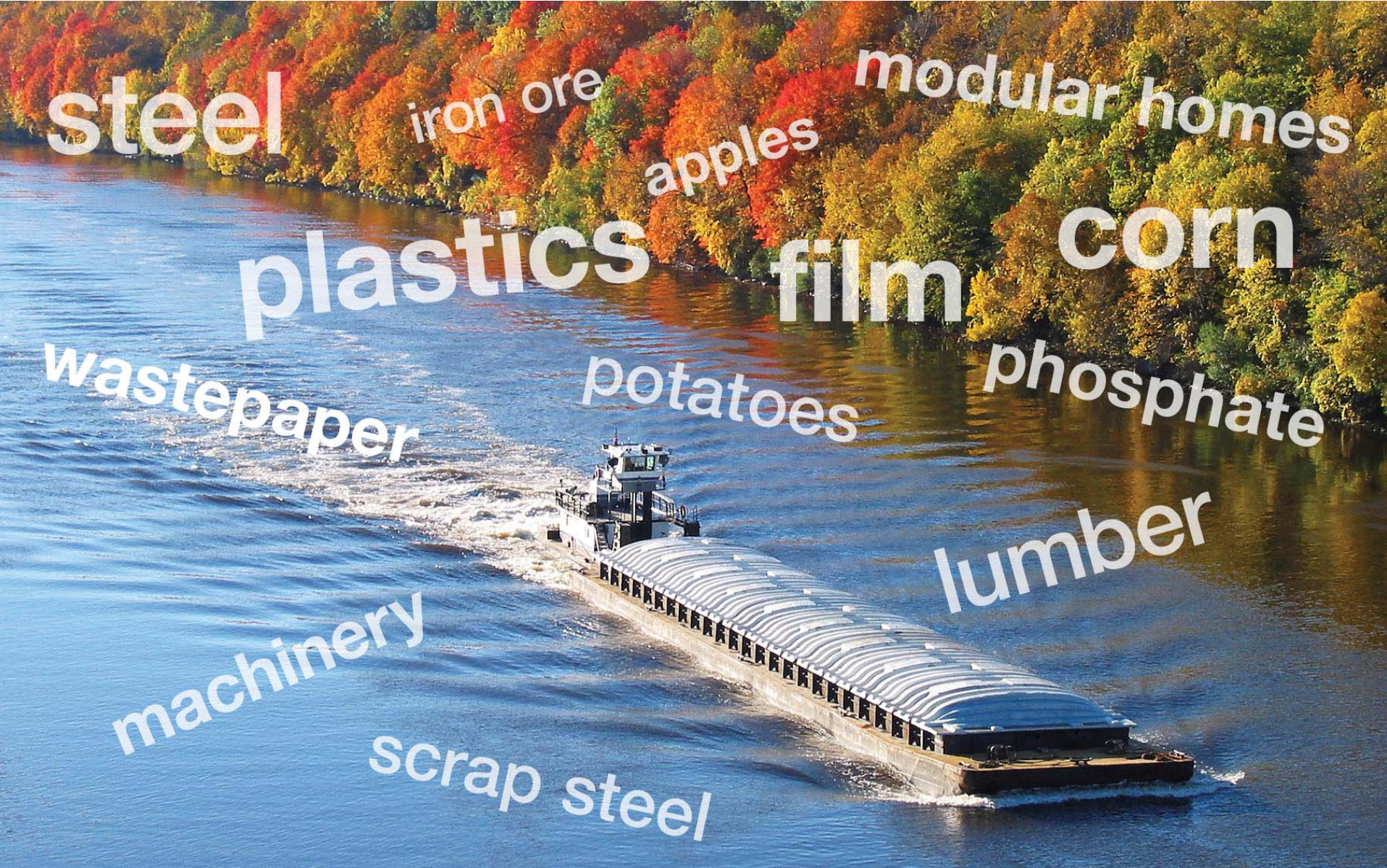
The Importance of Sea Ports

America's seaports are investing more than \$2.5 billion a year to maintain and improve their infrastructure.





The Importance of Sea Ports



steel

iron ore

modular homes

apples

plastics

film

corn

wastepaper

potatoes

phosphate

lumber

machinery

scrap steel



2008 Imports & Exports =

\$1.62 trillion





The Importance of Sea Ports

Top 20 cities by population every 30 years.

YEAR	1810	1840	1870	1900	1930	1960	1990
1	New York	New York	New York	New York	New York	New York	New York
2	Philadelphia	Baltimore	Philadelphia	Chicago	Chicago	Chicago	Los Angeles
3	Baltimore	New Orleans	Brooklyn	Philadelphia	Philadelphia	Los Angeles	Chicago
4	Boston	Philadelphia	St. Louis	St. Louis	Detroit	Philadelphia	Houston
5	Charleston	Boston	Chicago	Boston	Los Angeles	Detroit	Philadelphia
6	Northern Liberties*	Cincinnati	Baltimore	Baltimore	Cleveland	Baltimore	San Diego
7	New Orleans	Brooklyn	Boston	Cleveland	St. Louis	Houston	Detroit
8	Southwark*	Northern Liberties*	Cincinnati	Buffalo	Baltimore	Cleveland	Dallas
9	Salem	Albany	New Orleans	San Francisco	Boston	Washington	Phoenix
10	Albany	Charleston	San Francisco	Cincinnati	Pittsburgh	St Louis	San Antonio
11	Providence	Spring Garden*	Buffalo	Pittsburgh	San Francisco	Milwaukee	San Jose
12	Richmond	Southwark*	Washington	New Orleans	Milwaukee	San Francisco	Baltimore
13	Norfolk	Washington	Newark	Detroit	Buffalo	Boston	Indianapolis
14	Washington	Providence	Louisville	Milwaukee	Washington	Dallas	San Francisco
15	Newport	Kensington*	Cleveland	Washington	Minneapolis	New Orleans	Jacksonville
16	Newburyport	Louisville	Pittsburgh	Newark	New Orleans	Pittsburgh	Columbus
17	Alexandria	Pittsburgh	Jersey City	Jersey City	Cincinnati	San Antonio	Milwaukee
18	Portland	Lowell	Detroit	Louisville	Newark	San Diego	Memphis
19	Portsmouth	Rochester	Milwaukee	Minneapolis	Kansas City	Seattle	Washington
20	Sherburne/Nantucket	Richmond	Albany	Providence	Seattle	Buffalo	Boston

Asterisks were later annexed by Philadelphia



The Importance of Sea Ports

Cost of Closure



\$4.5 billion*

Congressional Budget Office

\$60 billion*

US Coast Guard

2010 Proposed
Budget

\$5.1 billion

**The range of estimates of one major port for one month*



The Importance of Sea Ports



PORTS





The Importance of Sea Ports



Source: Journal of Commerce



The Importance of Sea Ports

- Shoes
- Car
- Guitar
- Cell Phone
- DVD Player
- Dish Network Receiver
- Camera
- Camcorder
- LCD TV
- T-Mobile PDA
- House Phone
- Laptop
- Printer
- Game System
- Keyboard/Mouse
- Wristwatch
- Shirts
- Pants
- Towels
- Toothbrush
- Wallet
- Silverware
- Razor
- Toaster
- Dolls
- American Flags
- Birthday Cake Candles

Life without imports?





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Is there a country named “Walmart”?

Walmart = 15% of consumer goods imported from China





The Importance of Sea Ports

*70% of all 2007
customs revenues*

\$23.2 billion

in seaport activity





The Importance of Sea Ports

Cruise Industry

\$38 billion
economic output

\$18 billion
spent in U.S.

350,000 jobs

VERMONT
WASHINGTON, DC





The Importance of Sea Ports

Seaports generated

13,320,633

JOBS IN 2007

9%

of all U.S. jobs



The Importance of Sea Ports

Iraqi Freedom

Largest sealift tonnage

moved since

WWII





The Importance of Sea Ports



5 square miles

of military ro/ro shipments since 2003



The Importance of Sea Ports



During Ike
area refineries had

2+ days
of feedstock on hand



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NO
NEW
seaports!





The Importance of Sea Ports



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