



**U. S. Army  
Corps of Engineers**

**Navigation Business Segment**

# OBJECTIVES

- Identify Federal Role Supporting Navigation
- Responsibility of the CORPS
- What Do We Manage?
- Value to the Economy
- Key Consideration of an OPM
- Key Infrastructure Issues
- Tomorrow's Challenges

## Federal Role Supporting Navigation

United States is the world's leading maritime and trading nation. We rely on an efficient Maritime Transportation System

- \* Involvement dates back to early days of the United States
- \* River's and coastal harbors were the primary path of commerce in the new country
- \* Federal interest stems from Commerce Clause of the Constitution and subsequent Supreme Court decisions
- \* USACE and USDOT – responsibilities of both agencies

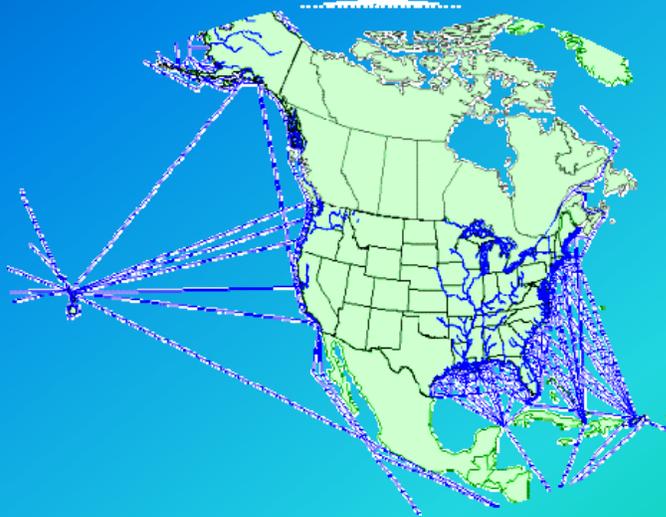
## DOT

- U.S. Coast Guard  
vessel, navigation safety,  
navigation aids, search and  
rescue services.
- Maritime Administration  
development of U.S. Ports,  
intermodal systems, domestic  
shipping

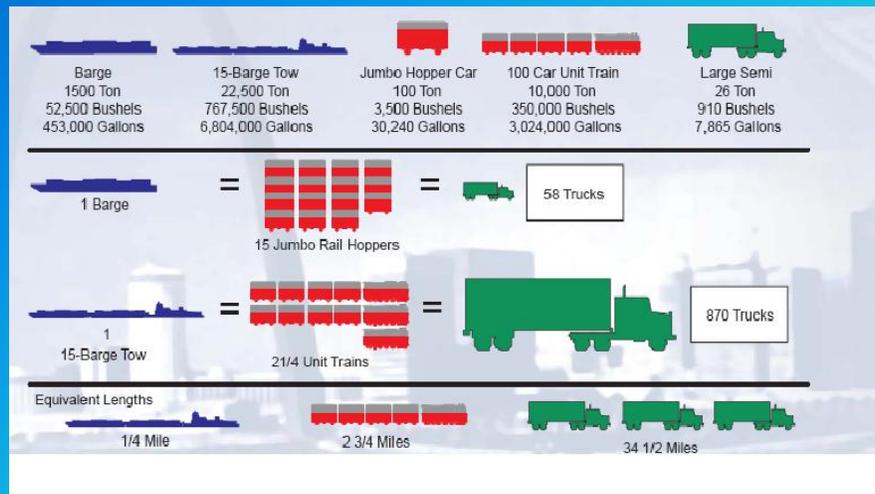
## USACE

Inland – The responsibility of the Corps is to facilitate the safe, reliable and economically efficient movement of vessels, and it does so by constructing and maintaining navigation channels and harbors, and regulating water levels on inland waterways.

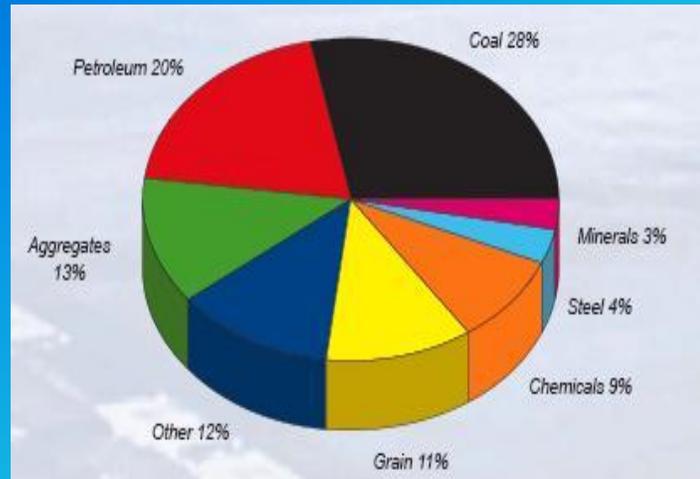
# What do we manage?



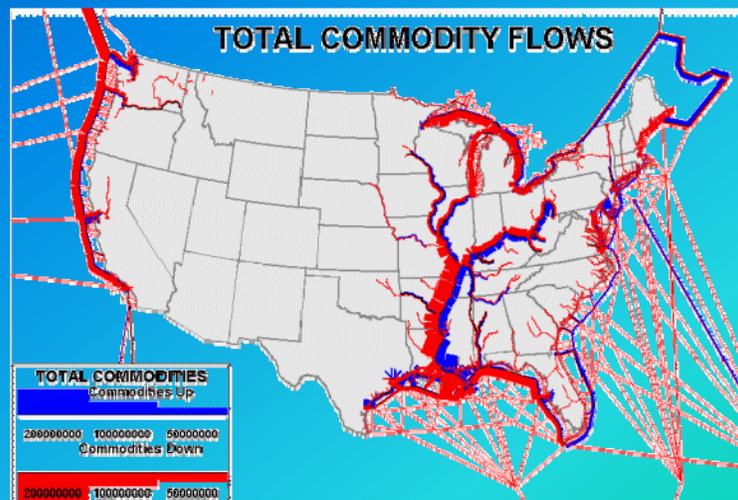
## The Most Efficient Mode of Freight Transportation



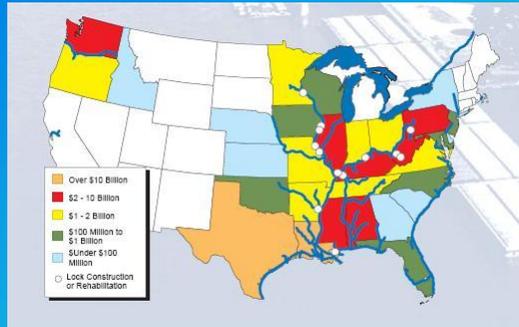
# Waterway Commodities



# Why is it Vital to USA



# Value to the Economy



# *Key to Success*



# *1. Reliability*

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# *2. Environment*

## Beneficial Use of Dredge Material



- 1. Reliability***
- 2. Environment***

***3. Operation and  
Maintenance Cost***

- 1. Reliability*
- 2. Environment*
- 3. O & M Cost*

#### *4. Balancing Needs*

*Navigation/Hydropower/  
Recreation/Natural  
Resources/Environment*

## Key Infrastructure Issues

What do we have  
and  
How do we maintain

# Infrastructure



Infrastructure

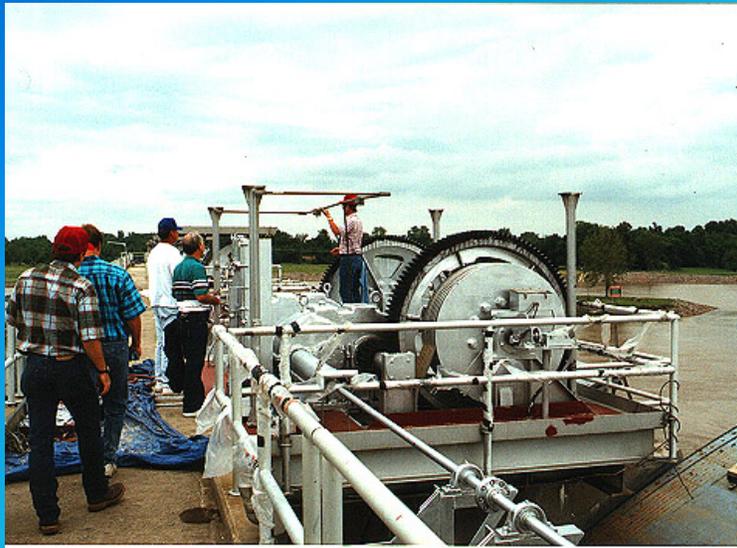
# Dam



Infrastructure



## Annual Inspections



## Periodic Inspections



## Ports



## Channels & Canals



## Dredging



## Dustpan



## Cranes



## Hopper



## Dredges with Side Casting Booms



## TOMORROW'S CHALLENGES

- Aging Infrastructure
- Increasing demand  
Inland  
Ports and Harbors

### Aging Infrastructure



## Increasing Demand

- Inland
- Ports and Harbors

In Closing, we make the difference!



NEVER  
GIVE UP!

