U. S. Army
Corps of Engineers

Navigation Business Segment

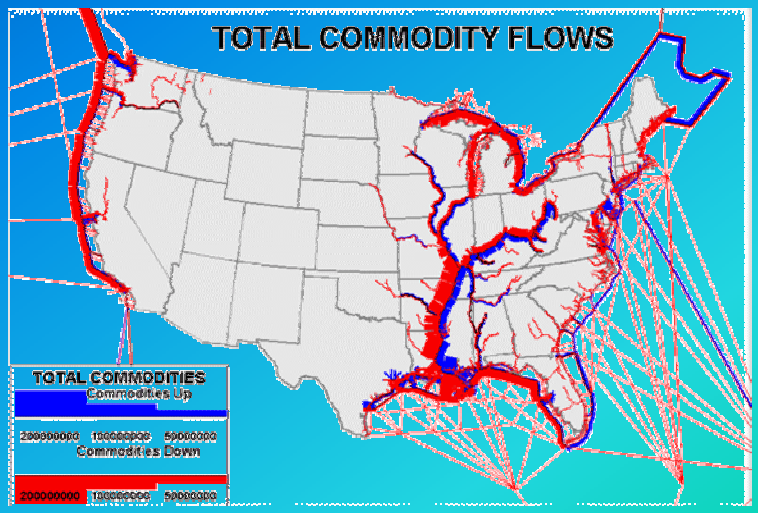
What Is Our Authorization?

- Dec 15, 1815 - President James Madison said "Among the means of advancing the public interest, the occasion is the proper one of calling the attention of the Congress to the great importance of establishing throughout our Country the roads and canals which can be best executed under the national authority. No objects within the circle of political economy so richly repay the expense bestowed on them".
- May 24, 1824 – First appropriation by Congress, $75,000

Inland Navigation

Ports & Harbors

Why is it Vital to USA

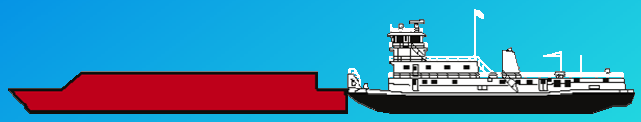


Compare

LARGE SEMI
26 Tons
910 Bushels
7,865 Gallons

JUMBO HOPPER CAR
100 Tons
3,500 Bushels
30,240 Gallons

BARGE
1500 Tons
52,500 Bushels
53,000 Gallons



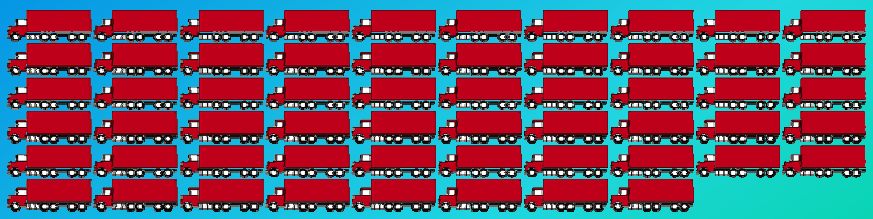
100-CAR TRAIN
10,000 Tons
350,000 Bushels
3,024,000 Gallons

15 BARGE TOW
22,500 Tons
787,500 Bushels
6,804,000 Gallons

Equivalent Unit

1 BARGE
Equals

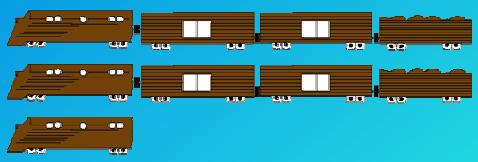
15 JUMBO HOPPERS
Equals



58 TRUCKS

Equivalent Unit

15 BARGE TOW
Equals



2 1/4 100-CAR TRAINS
Equals

870 TRUCKS

4. Inland Waterways Navigation System

Key to Success

1. Reliability

1. Reliability

2. Environment

Dredge Material Disposal Areas

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

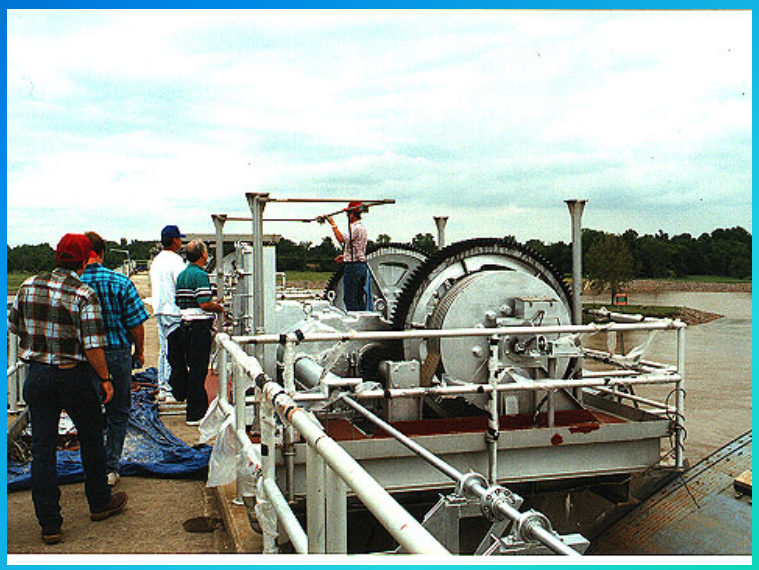
Key Infrastructure Issues

What do we have
and
How do we maintain

Dam

Infrastructure

Annual Inspections



Periodic Inspections

Ports

Channels & Canals

Dredging

Dustpan

Cranes

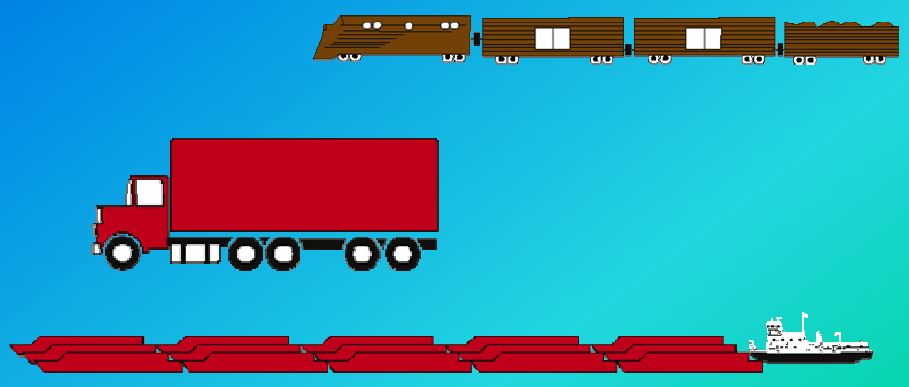
Hopper

Dredges with Side Casting Booms

Why we do it!

Future of Navigation

Intermodal Transportation



In Closing, we make the difference!