



The Columbia Snake River System System Operations and Infrastructure

*Photo:
Port of
Portland*

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Pacific Northwest Waterways Association

Columbia Snake River System

Washington

Astoria

Longview

Oregon

Kalama

Woodland

St. Helens

Vancouver

**110 Mile 40-foot
deep draft channel**

- o 30 million tons
foreign cargo
- o \$13 billion cargo
value

Portland

*Chart:
Columbia
River
Channel
Coalition*

Columbia Snake River System



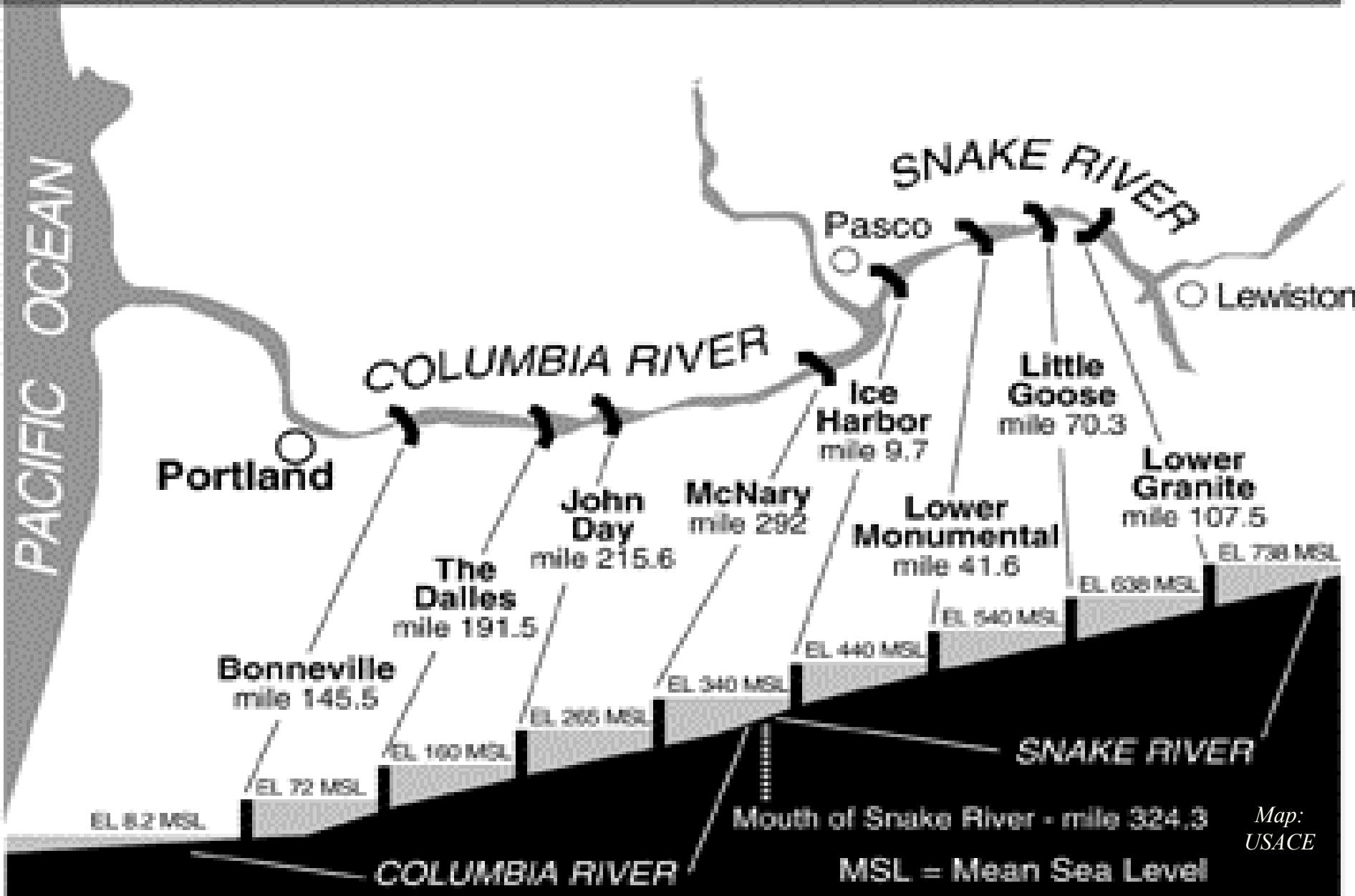
Map: USACE

355 Mile 14-foot inland barge channel

- o 10-12 million tons cargo
- o \$1.6-2.2 billion cargo value

Map: USACE

Columbia-Snake River Inland Waterways



Wheat

- **First in the nation**
- **37% of U.S. exports**



*Graphic:
Port of
Portland*

Barley

- **First in the nation**
- **70% of exports**



*Graphic:
Port of
Portland*

Corn

- Second in the nation
- 10% of exports



Graphic:
Port of
Portland

Mineral Bulks

- First on the West Coast



*Graphic:
Port of
Portland*

Containers and Autos

- Serving 43 States



*Graphic:
Port of
Portland*

The Columbia Snake River System

Operations and Infrastructure Issues

O&M Funding

*Picture:
Tidewater
Barge Lines*

The Columbia Snake River System Operations and Infrastructure Issues

Snake River Maintenance Dredging

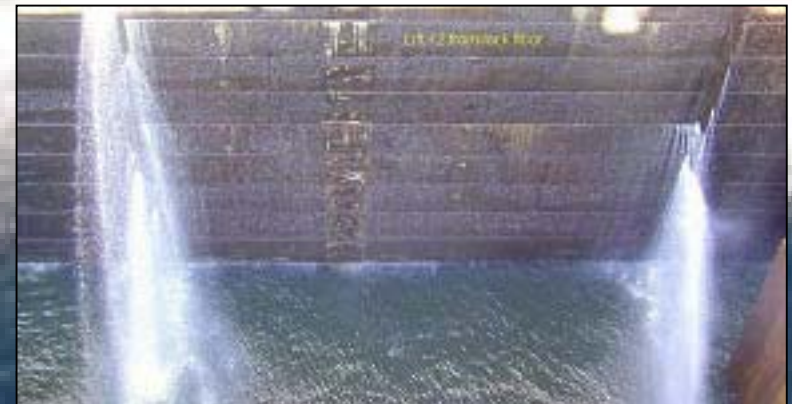
Failing Infrastructure John Day Lock & Dam



Upstream Gate

Monolith 8

Navigation Lock



Picture:
USACE

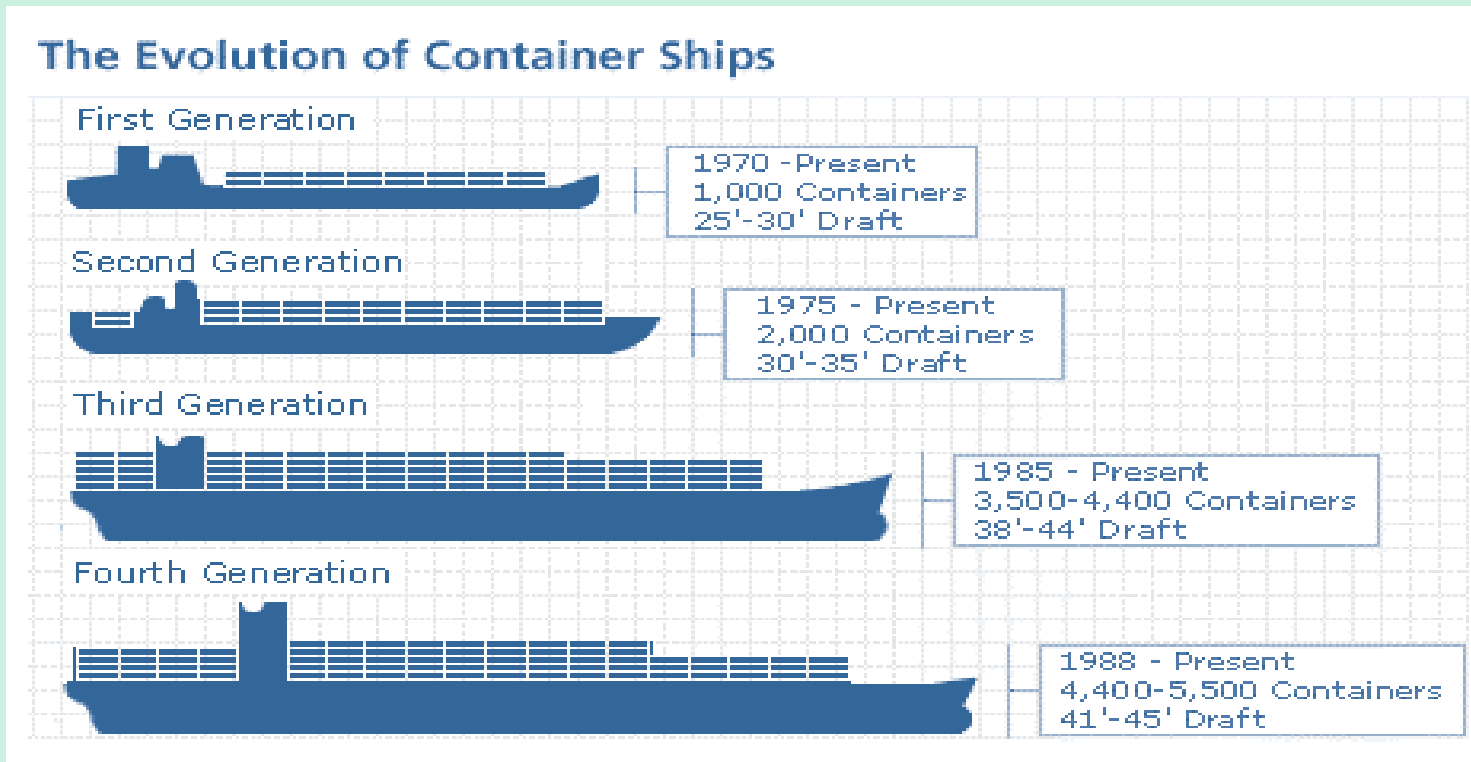
Failing Infrastructure Coos Bay Jetty



*Picture:
USACE*

Columbia River Channel Deepening

- o From 40 to 43 feet
- o \$148 million cost, \$96 million federal cost
- o \$18 million in annual NED savings



*Chart:
Columbia
River
Channel
Coalition*

Federal Hopper Dredge Fleet



- o Low cost
- o Timely
- o Reliable

*Picture:
Port of
Bandon*

Snake River Dam Breaching



- o Uncertain fish benefits (maybe none)
- o Eliminates navigation
- o Eliminates hydropower

*Picture:
Port of
Lewiston*

The Columbia Snake River System

Operations and Infrastructure Issues

O&M funding
Snake River dredging
Failing infrastructure
Channel deepening
Federal dredge fleet
Dam breaching