



US Army Corps  
of Engineers  
Northwestern Division



# Pacific Coast Navigation Community of Practice

Northwestern Division  
South Pacific Division  
Pacific Ocean Division



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## Purpose of the Navigation Community of Practice

- Programmatic, regional overview of the navigation business area.
- Forum for Districts/Divisions to discuss and resolve issues.
- Efficient execution of our navigation mission.
- Provide regional expertise and cooperative problem solving.
- Provide training for new personnel
- Keep Division/District Commanders informed of issues and actions.
- Identify and prioritize regional navigation R and D needs.



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# WEST COAST REGIONAL DREDGING CONTRACT



**Gray's Harbor**  
1 Apr – 31 May; 300KCY

**Anchorage Harbor**  
1 April – 30 April  
and/or  
1 Oct – 15 Dec; 300KCY

**Columbia River**  
8 Jun – 9 Aug for 3000KCY @ MCR  
10 Aug – 23 Aug for 480KCY @ C&LW

**Coos Bay**  
24 Aug – 30 Sep; 750KCY

**Humboldt Harbor**  
1 Sep – 15 Nov; 700KCY

**San Francisco Bay**  
1 Apr – 30 Nov; 45KCY

★ **Projects Being Considered**



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# NORTHWESTERN DIVISION







**NAVIGATION**





# Regional Interface

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**Navigation Stakeholders/Partners**

**Political Interests**

- 14 Governors
- 28 Senators
- 45 Congressional Districts

**Federal Partners**

# Navigation Scope

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**Fleet**

- 3 Dredges
- 18 Survey Boats
- 212 Work Boats
- U.S. Moorings
- Contract Dredging/Surveying

**Structures**

- 10 Locks
- 18 Lock Chambers
- 7500 Dikes Revetments & Jetties
- 39 Miles Breakwaters & Jetties

**Channels & Harbors**

- 1724 Miles Inland Navigation
- 22 Deep Draft Harbors
- 20 Shallow Draft Harbors

**Navigation Funding Trend - NWD**

**Typical Navigation Funding - by District**



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# Dredging Scope



- **Minimum Fleet Dredging**
  - Essayons
  - Yaquina
- **Sandwick**
- **Oregon - Contract Dredge**
- **16 M CY Dredged**

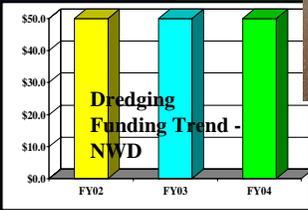
Dredge Yaquina

- **735 Miles of Self Scouring Channel**
- **Emergency Dredging Only Supported by MVD**

Missouri River

Columbia, Snake Rivers and Coastal

Millions \$



**Dredging Funding Trend - NWD**

Minimum Fleet Dredges

WHEELER  
McFARLAND  
ESSAYONS  
YAQUINA

IND 54%      NWD 46%



**Typical Dredging CY NWD VS INDUSTRY**



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# Missouri River Main Stem Reservoir System



**Environmental Resources**

- Riverine Fish (Including Pallid Sturgeon)
- Reservoir Fish
- Terns & Plovers
- Wetlands Habitat
- Riparian Habitat
- Historic Properties



**Economic Uses**

- Flood Control
- Irrigation
- Hydropower
- Navigation
- Recreation
- M&I Water Supply
- Water Quality

Bank Stabilization and Navigation Project



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# COLUMBIA/SNAKE NAVIGATION SYSTEM



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## Portland District Coastal Navigation Projects





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## **REGIONAL INITIATIVES**

- REGIONAL DREDGING TEAM (RDT)
- REGIONAL SEDIMENT EVALUATION TEAM (RSET)
- REGIONAL SEDIMENT MANAGEMENT (RSM)
- REGIONAL DREDGING CONTRACT



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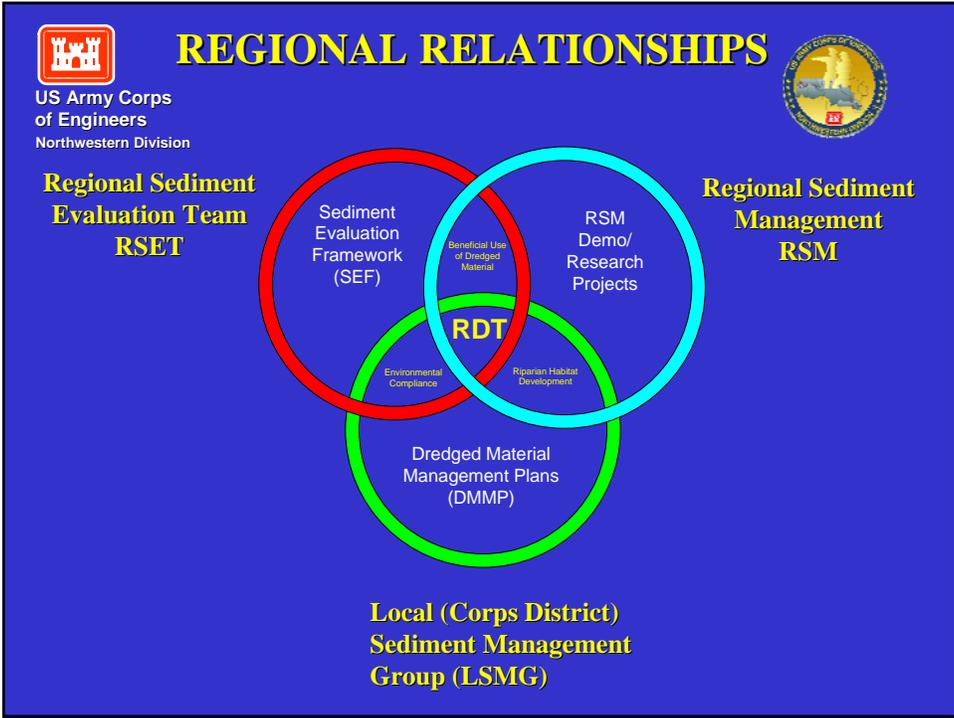
## **OBJECTIVES OF ALL COLLABORATIVE REGIONAL EFFORTS**

**CAPITALIZE ON POTENTIAL ECONOMIC  
BENEFITS**

**ID AND ELIMINATE BUREACRATIC  
OBSTACLES**

**IMPROVE RELATIONS WITH PARTNERS**

**RESTORE AND MAINTAIN THE NATURAL  
SYSTEM**



**Regional Sediment Evaluation Team (RSET)**

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- The RSET, a multi-agency group, has been formed under the auspices of the RDT to revise the existing regional DMEF for use by all NW Corps Districts, EPA Region 10, NMFS, USFWS, and other federal and state agencies that require sediment quality evaluation procedures. The RSET will expand and replace the Regional Management Team (RMT) defined in the existing DMEF.

The text block contains the title 'Regional Sediment Evaluation Team (RSET)' and a single bullet point describing the team's purpose. It states that the RSET is a multi-agency group formed under the auspices of the RDT to revise the existing regional DMEF for use by all NW Corps Districts, EPA Region 10, NMFS, USFWS, and other federal and state agencies that require sediment quality evaluation procedures. The RSET will expand and replace the Regional Management Team (RMT) defined in the existing DMEF. Logos for the US Army Corps of Engineers and the Northwestern Division are in the top corners.



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# The Columbia River Channel Improvement Project





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## Authorized Action Navigation Features



- 103.5 Miles of the Columbia River, from CRM 3-106.5
- Deepen the existing channel from 40 to 43 feet, with 5 foot overdraft, maintaining the 600 foot width
- Dispose of materials in upland, in-water, shoreline, and ocean
- Deepening of 6 turning basins and 5 berths
- Lower Willamette deferred pending Superfund



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## Authorized Action Ecosystem Restoration Features



- 1,250 acres restoration of wetland and riparian habitat
- 11 tide box retrofits to provide fish passage
- 335 acres restored embayment circulation



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## Columbia River Channel Improvement Project.



Awarded an \$8,738,500 contract to Great Lake Dredge and Dock Co. to maintain the 103.5-mile-long, 40-foot-deep Columbia River federal navigation channel between the mouth and Vancouver, Wash.

As well as the six-mile-long channel across the Columbia River bar.

Great Lakes also will deepen by three feet a 13-mile section of the lower river near Astoria this summer.



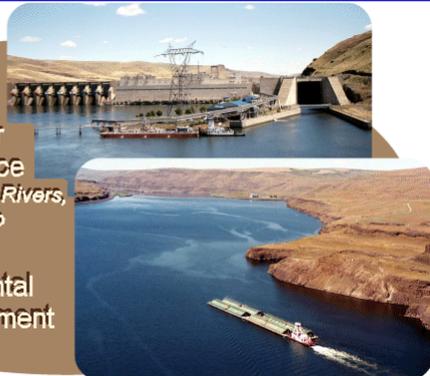
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## Lower Snake River Dredging



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Walla Walla District

Lower Snake River  
Channel Maintenance  
*Lower Snake and Clearwater Rivers,  
Washington and Idaho*  
**Draft**  
Environmental  
Impact Statement





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## Walla Walla District Navigation Projects



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## Future

- EIS ROD Planned for Signature July 05
- Dredging Planned for This Winter
  - Est. Cost of FY 06 Dredging Season is 2-4 Million  
(Not Currently in the Budget)
- The Court Retains Jurisdiction, Therefore Issues Before  
The Court Must be Resolved Prior to Future Dredging  
Events.