

U.S. Army Corps of Engineers and Ecosystem Restoration

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**Chief of Planning, Programs and Project Management
USACE Portland District**

Columbia River Estuary Conference
Astoria, Oregon
29 April 2008



US Army Corps
of Engineers
Portland District

“3 Things” About The Corps of Engineers

- We execute the “Will of the Nation” –
(Congressional Authorization and Appropriation)
- Ecosystem Restoration is Part of our Mission
- We Operate in a Collaborative World

U.S. Army Corps of Engineers

■ Programs:

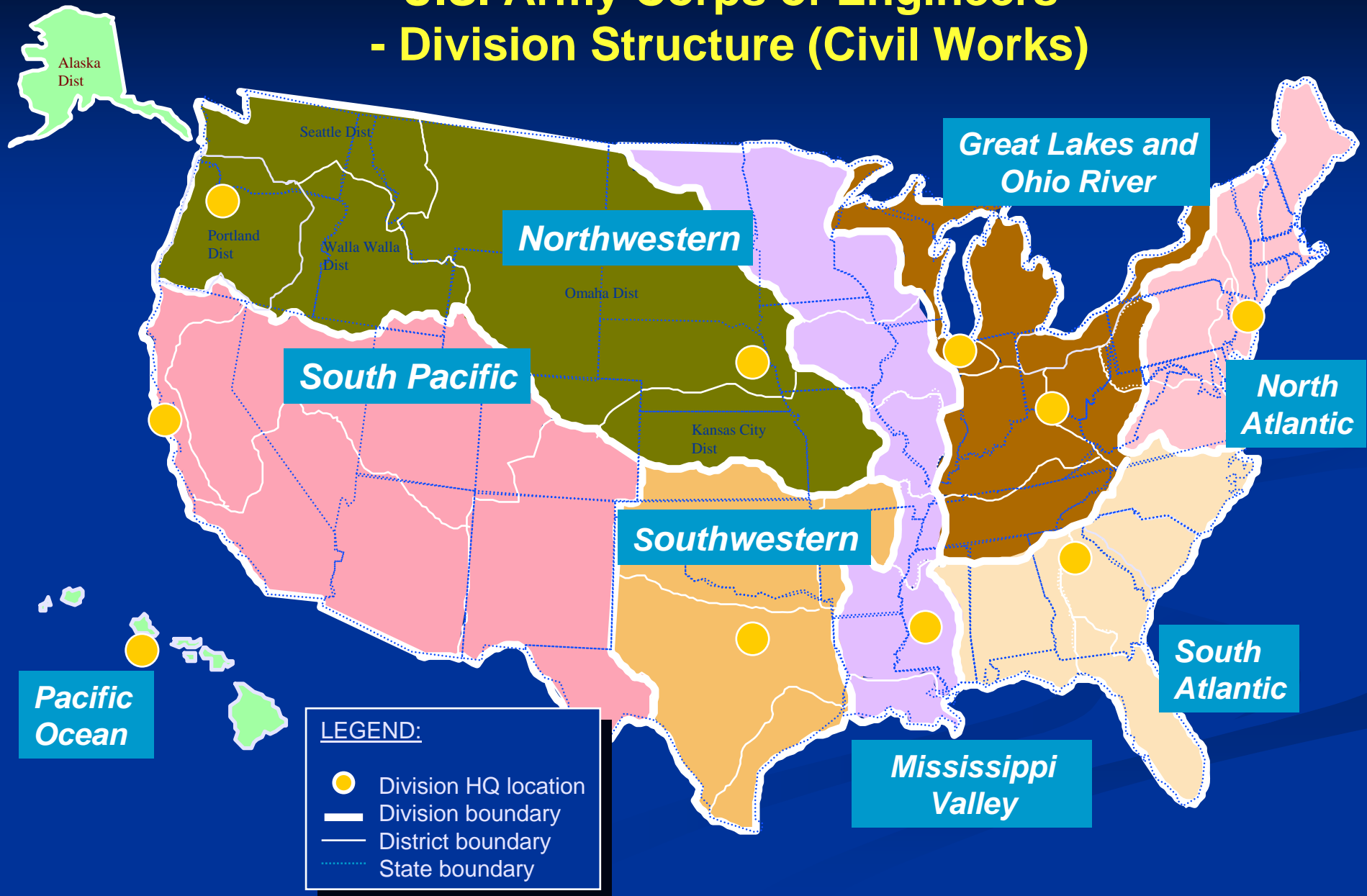
- Civil Works

Civil Works

- Hydropower
- Navigation
- Flood Damage Reduction
- Fish and Wildlife
- Recreation
- Emergency Operations
- Regulatory



U.S. Army Corps of Engineers - Division Structure (Civil Works)





WASHINGTON

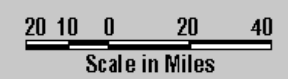
PACIFIC OCEAN

IDAHO

OREGON

CALIFORNIA

NEVADA



○ Klamath Falls

Northwestern Division Mission

- The Northwestern Division provides engineering services and stewardship of existing water resource infrastructure, conducts water resources development, military construction, environmental protection and restoration, and emergency response operations within our assigned areas of operations to serve the Army and the Nation.

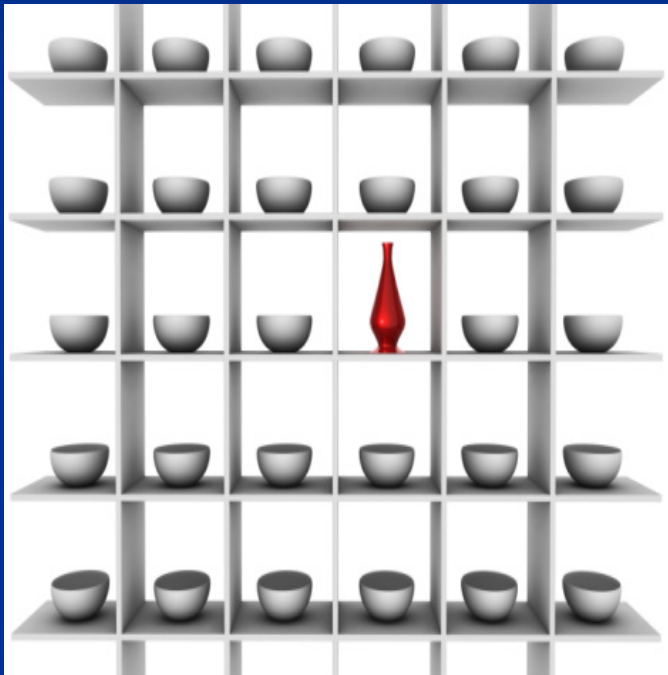
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**“The Will of the Nation”
- Congressional**

Authorization
and
Appropriation

“The Will of the Nation”



- Part of the Department of Defense
- Authorizations – WRDA (Water Resources Development Act)
- Appropriation - Energy & Water Bill (Project Funded)
- Current Climate:
 - No New Starts
 - Need Cost Share Partners
 - Limited Re-programming

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Environmental Operating Principles



- Strive to achieve environmental sustainability
- Consider environmental consequences
- Seek balance and synergy
- Accept responsibility
- Mitigate impacts
- Understand the environment
- Respect other views

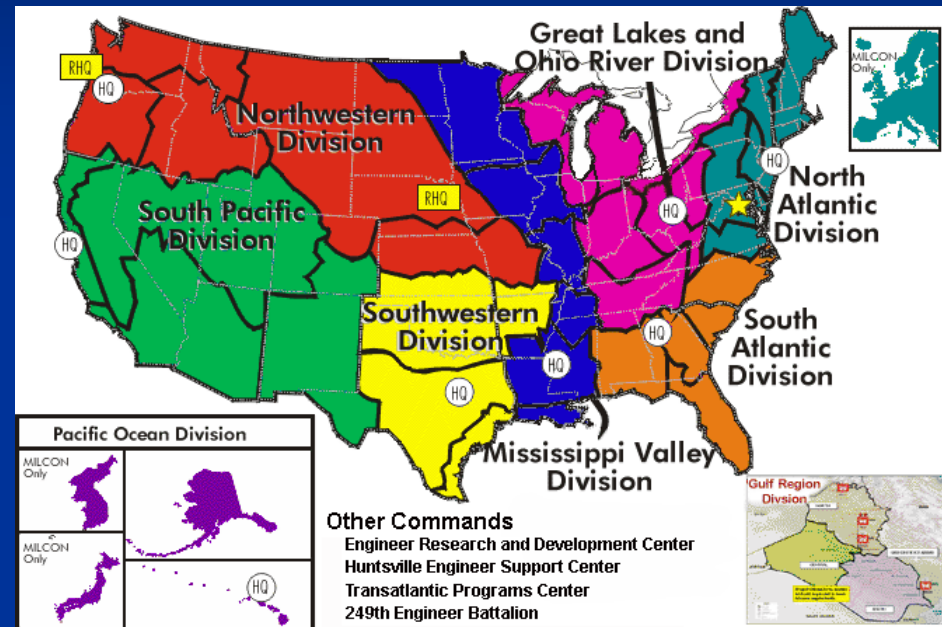
Restoration Authorities and Funding (Portland District Only)

<u>Authorities</u>	<u>1987</u>	<u>2007</u>
General Investigation Studies	None	7
Construction General Projects	0	2
Continuing Authorities Program Projects	0	18
Miscellaneous	2	5
Total Projects Authorized	2	32
Total \$\$\$\$ Appropriated	< \$1 M	> \$48 M

Large-scale Projects

(Examples)

- Florida Everglades
- Coastal Louisiana
- Missouri River
- Mississippi Delta
- Puget Sound



America's Everglades & the South Florida Ecosystem



Water Resources Development Act (WRDA) of 2000, approved the Comprehensive Everglades Restoration Plan, including a series of environmental and other improvements over 30+ years with an estimated cost of \$7.8 billion

“New” Coastal Louisiana Area Efforts



WRDA 2007 authorized coastal protection and restoration; near-term plan est. \$1.9B for projects plus studies and demonstration projects.



- Missouri River authorities WRDA 1986 as mitigation for bank stabilization and navigation programs, expanded to include restoration in WRDA 2000 and 2007; Programs funded (\$85M) 2007, (\$50.2M) 2008, in President budget (\$85M) 2009.



- Upper Mississippi River Environmental Management Program (\$33.5M/yr)
- Coastal Wetlands Planning, Protection, and Restoration Program (\$50M/yr)
- Lower Mississippi River Environmental Program



Puget Sound and Adjacent Water Restoration Program

- Water Resource Development Act of 2000, Section 544 authorizes PSAWR
- Total authorization \$40M
- Total federal maximum per project \$5M
- Cost-shared 65% Federal – 35% non-Federal

Portland District Authorities for Ecosystem Restoration in the Columbia River Estuary

- Small Project Authorities -- WRDA Sec. 204, 206, 536, and 1135 are restoration authorities intended to be tactical projects, on the ground quickly.
- Lower Columbia River Ecosystem General Investigations Study
 - Intent is a comprehensive, strategic restoration program; current plan is to not slow down, continue more local on the ground projects and allow the GI to catch up and be more all inclusive as funding is made available.

Section 536 Restoration: Crims Island Example

Before



After



Regional Columbia River Estuary Restoration Program Goal

Implementation of well-coordinated, scientifically sound projects designed to enhance, protect, conserve, restore, and create tidal wetlands and other key habitats to aid rebuilding of ESA-listed salmon populations and native species using the Columbia River estuary.



Ecosystem Restoration: USACE Civil Works Strategic Plan

The USACE is transitioning from top-down attitude to a new world of collaboration where we come to the table with our peers to define regional needs and direction; we don't want to be the...



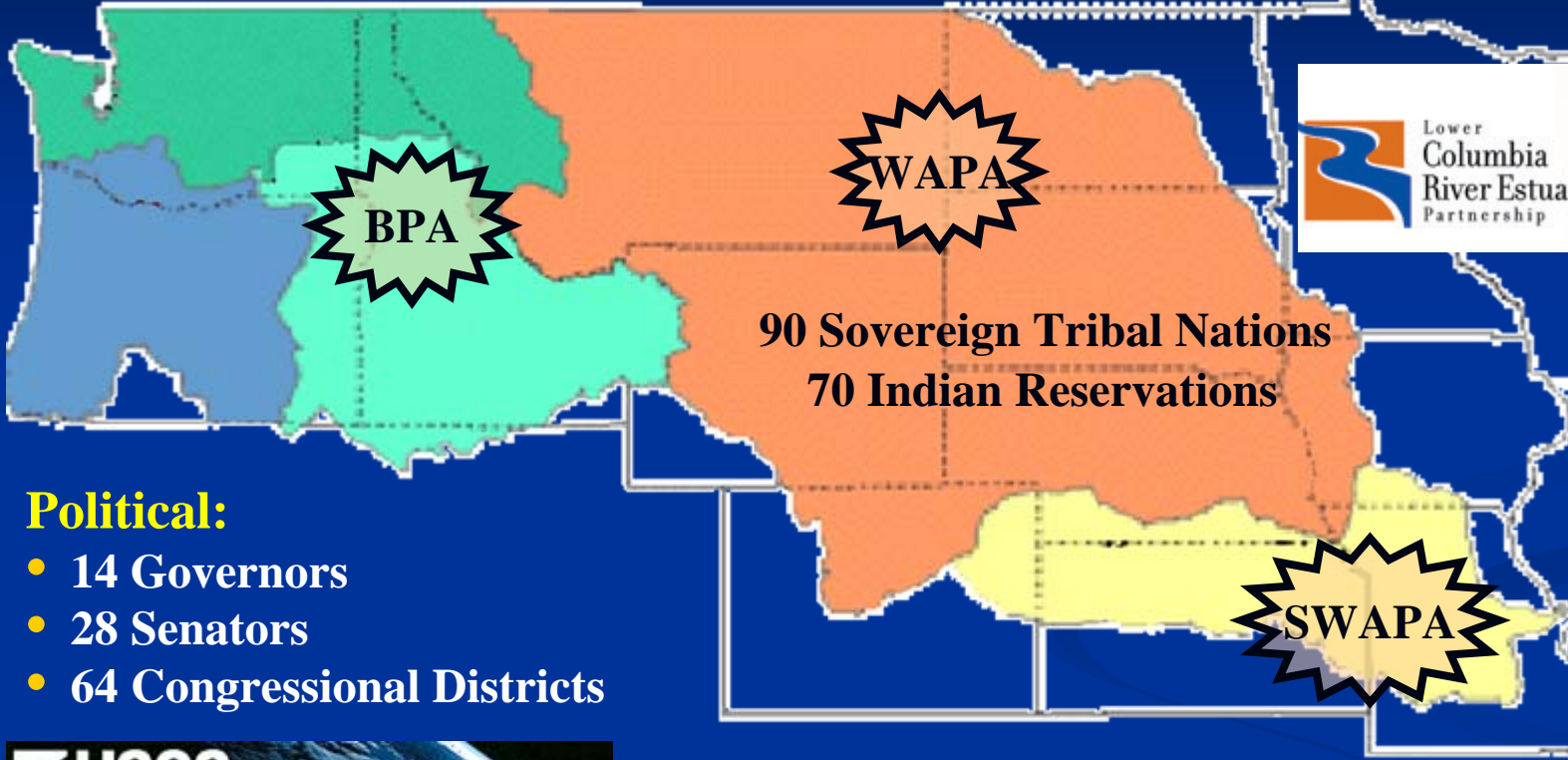
YLLA
YLLA



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Partnerships

Private Partners



90 Sovereign Tribal Nations
70 Indian Reservations



Political:

- 14 Governors
- 28 Senators
- 64 Congressional Districts



Federal Partners



Bonneville
Power Administration

An Example in Portland District:

Adaptive Management

Requested the
National Research Council
to convene a panel to provide advice
on our efforts to apply
Adaptive Management
to project and program planning
and operations



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Thank You

For more information, please contact:

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