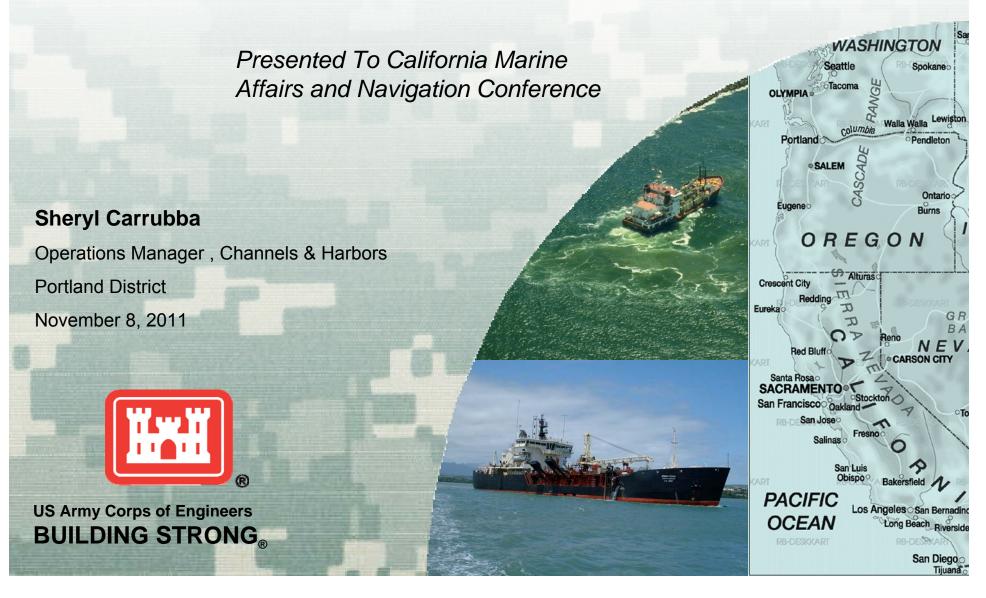
The Corps of Engineers Dredges on the West Coast



A SHORT HISTORY OF THE CORPS MINIMUM DREDGE FLEET



Portland District Moorings, Circa 1937



Dredge BIDDLE – Retired 1983





Dredge McKENZIE – Sunk 1974





Dredge ROSSELL – Fitted for Military Service





(Sunk in Coos Bay Collision – 1957)

Dredge CHESTER HARDING – Retired 1983





Public Law 95-269 April 26, 1978

"The Secretary shall have dredging and related work done by contract if he determines private industry has the capability to do such work and it can be done at reasonable prices and in a timely manner"



Public Law 95-269 April 26, 1978

"To carry out emergency and national defense work the Secretary shall retain only the minimum federally owned fleet capable of perform such work and he my exempt from the provisions of this section such amount of work as he determines to be reasonably necessary to keep such fleet fully operational"



Government Minimum Fleet Composition 1983 to Present

Vessel	District	Homeport	Туре	
FRY	Wilmington	Wilmington, NC	Sidecaster	
GOETZ	St. Paul	Fountain City, WS	Cutterhead	
HURLEY	Memphis	Memphis, TN	Dustpan	
JADWIN	Vicksburg	Vicksburg, MS	Dustpan	
McFARLAND	Philadelphia	Philadelphia, PA	Medium Hopper	
MERRITT*	Wilmington	Wilmington, NC	Sidecaster	
POTTER	St. Louis	St. Louis, MO	Dustpan	
WHEELER	New Orleans	New Orleans, LA	Large Hopper	
ESSAYONS	Portland	Portland, OR	Medium Hopper	
YAQUINA	Portland	Portland, OR	Small Hopper	

^{*} To be replace by MURDEN



McFARLAND – Philadelphia District

Built 1967

Capacity: 3140 CY

Crew Compliment: 50

Pump Ashore

Side Cast

Bottom Dump



In Ready Reserve since 2008

WHEELER - New Orleans District

Built: 1981

Capacity: 8256 CY

Crew Compliment: 38

(1 full crew; 1skeleton)

Bottom Dump



In Ready Reserve since 1997

Dredge ESSAYONS – Portland District

Built: 1983

Capacity: 6000 CY

Crew Compliment: 44



Bottom Dump Pump Ashore (deactivated) Repowered 2007 - 2008

Dredge YAQUINA - Portland District

Built: 1981

Capacity: 1050 CY

Crew Compliment: 40

Bottom Dump Side Cast (deactivated)



Repowered: 2008-20012

Govt Fleet Defense Design Considerations

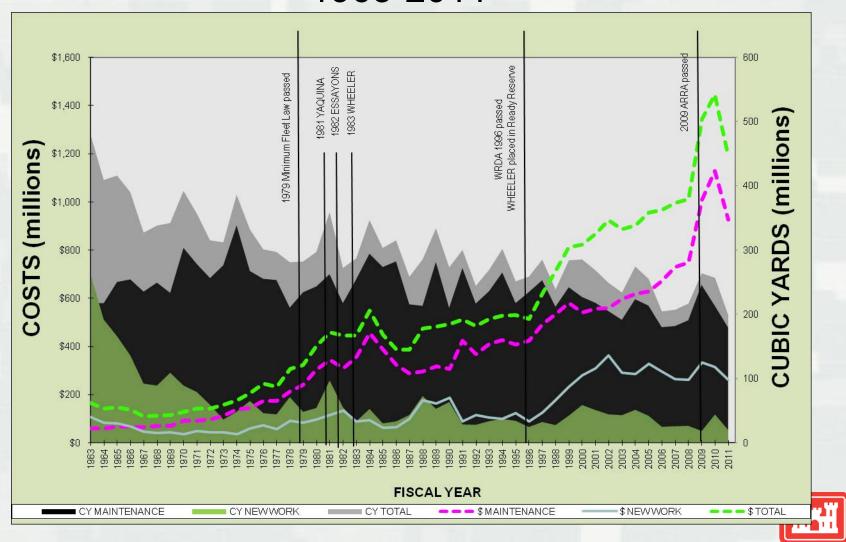


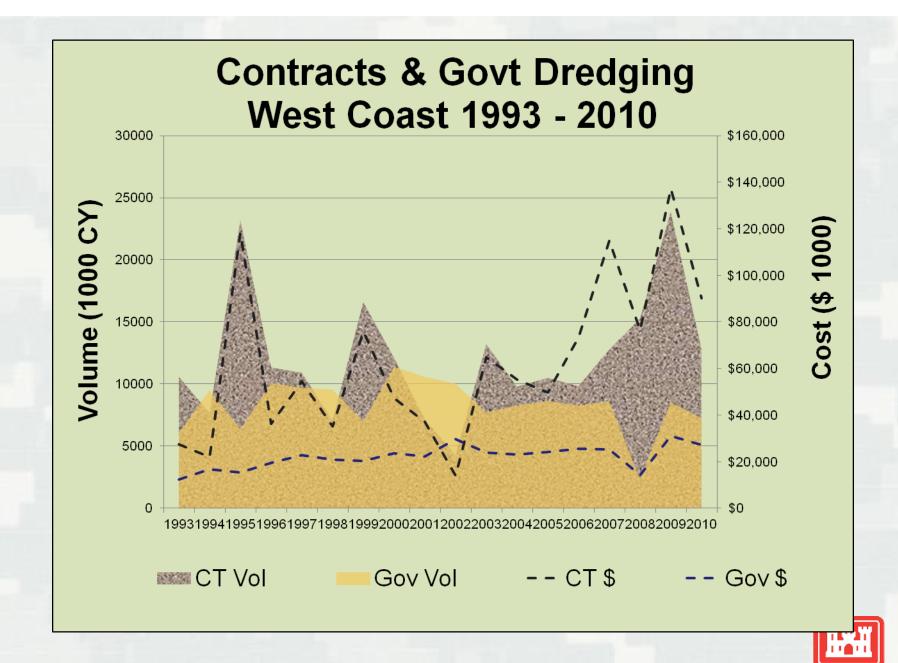
Public Law 95-269 April 26, 1978

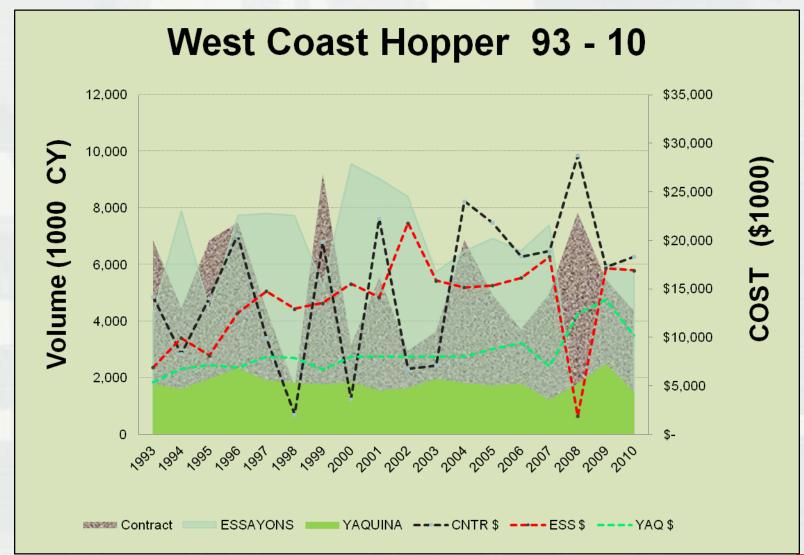
"As private industry reasonably demonstrates its capability ... to perform the work done by the federally owned fleet, at reasonable prices and in a timely manner, the federally owned fleet shall be reduced in an orderly manner, as determined by the Secretary by retirement of plant"



National USACE & Contract Dredging Totals 1963-2011









NORTH PACIFIC DREDGING CONDITIONS





NORTH PACIFIC DREDGING CONDITIONS





Dredge YAQUINA - August 2011



"Backing Down" in the Chetco River Entrance
Due to Tsunami Damage at the Port of Brookings Harbor



PORTLAND DISTRICT

Dredge ESSAYONS





FY 2008 ESSAYONS REPOWER



Don't Try This At Home



FY 2008 ESSAYONS REPOWER



New Tier II CAT Engine being rigged into the engine room



Setting the Daily Rental Rate

Ownership Costs

- Depreciation (straight line)
- Insurance
- Plant Increment CPI plus shipbuilders index
 - ▶ Original Cost of Assets
 - ▶ Additions and Betterments
- Ownership costs are paid to a national fund - PRIP

Operating Costs

- Labor (Full Time Employees)
- Benefits
- Fuel, Oil, Lubricants
- Subsistence and Supplies
- Repairs
- Distributed cost of Moorings,
 Warehouse, IT, Gen
 Overhead
- Crew Training, Licensing, Hiring Costs, etc



Daily Rate Calculations

All known Ownership and Operating Costs + very small contingency¹

Daily Rental Rate =

The number of days we expect we will work (estimated with other districts during budget submission 2 years ago)²

- ¹ Based on average dredging conditions, known anomalies
- ² Based on Project Needs, funding priorities, budget constraints



West Coast Govt Hopper Dredge Rates

Dredge ESSAYONS Dredge YAQUINA

FY 2012: \$100K/ day FY 2012: \$61K / day

FY 2013: \$ 113K/ day FY 2013: \$ 85K/ day

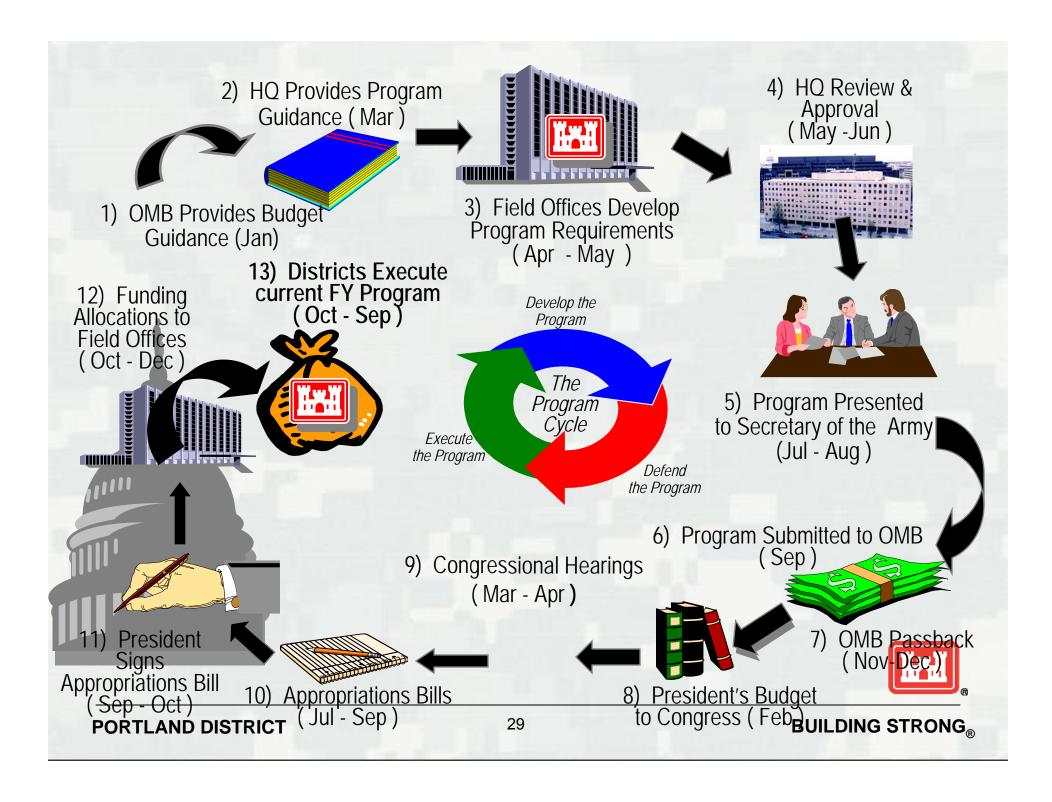


It's Even Worse than That ...

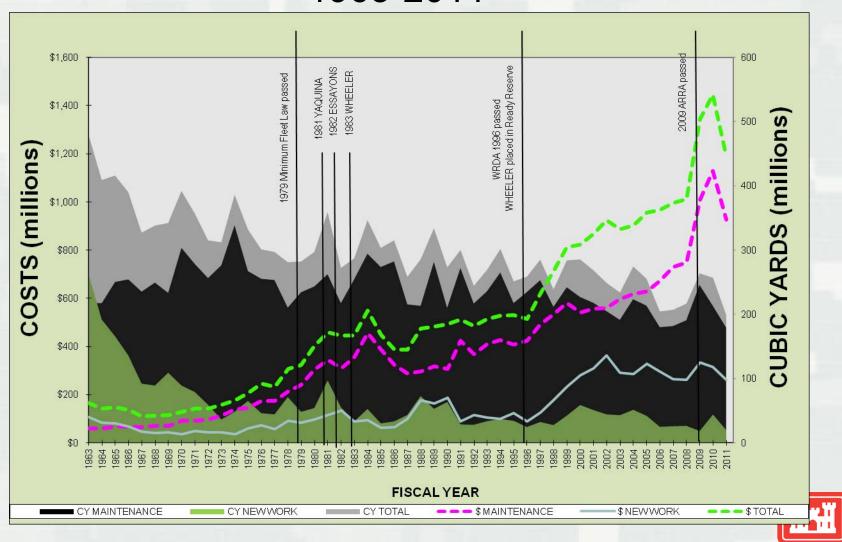


We're All in the SAME BOAT





National USACE & Contract Dredging Totals 1963-2011



Navigation Funding – Pres Bud (\$million)

Pres Bud	Coastal	Inland	Nav	CW total	% Nav
FY 12	\$832	\$743	\$1,575	\$4,631	34
FY 11	\$878	\$780	\$1,658	\$4,939	34
FY 10	\$971	\$796	\$1,767	\$5,125	35
FY 09	\$969	\$931	\$1,900	\$4,741	40
FY 08	\$957	\$1,052	\$2,009	\$4,871	41

Trend is declining funds

Navigation down 22% since FY 08.

Reductions masked by ARRA funding in FY09 and FY10

Flood Risk Management increasing due to Dam Safety

Environmental Restoration increasing



