

U.S. Army Corps of Engineers South Pacific Division

BUILDING STRONG and Taking Care of People!

FY 2015 Navigation Program

**CALIFORNIA MARINE AFFAIRS AND
NAVIGATION CONFERENCE
LONG BEACH, CALIFORNIA**

Mo Chang
15 January 2015



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US Army Corps of Engineers
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SPD FY15 Navigation Budget

OPERATIONS AND MAINTENANCE

LA	CA	Channel Islands Harbor	5,249,000
SF	CA	Humboldt Harbor and Bay	1,800,000
LA	CA	Los Angeles-Long Beach Harbors	7,740,000
LA	CA	Morro Bay Harbor	2,060,000
SF	CA	Oakland Harbor	21,970,000
LA	CA	Oceanside Harbor	1,700,000
SF	CA	Redwood City Harbor	1,900,000
SF	CA	Richmond Harbor	7,900,000
SF	CA	Sacramento River (30 ft Project)	1,300,000
SAC	CA	Sacramento River and Tributaries (Debris Control)	1,394,000
SAC	CA	Sacramento River, Shallow Draft Channel	200,000
SF	CA	San Francisco Bay Delta Model Structure	1,187,000
SF	CA	San Francisco Bay Long Term Management Strategy	275,000
SF	CA	San Francisco Harbor	1,900,000
SF	CA	SF Harbor and Bay (Drift Removal), CA	3,360,000
SF	CA	San Joaquin River, Port of Stockton	4,952,000
SF	CA	San Pablo Bay and Mare Island Strait	2,400,000
LA	CA	Santa Barbara Harbor	2,380,000
SF	CA	Suisun Bay Channel	2,400,000
LA	CA	Ventura Harbor	3,354,000
SAC	CA	Yuba River	3,178,000
SF/LA	CA	Project Condition Surveys, CA	1,647,000

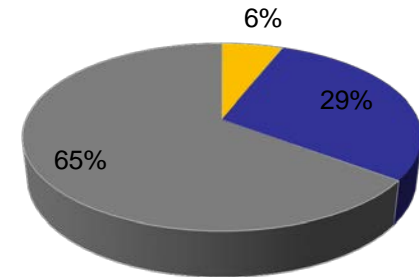
TOTAL NAVIGATION

FY 15
PRESIDENT'S
BUDGET

80,246,000

Funding Distribution

- SACRAMENTO DISTRICT
- LOS ANGELES DISTRICT
- SAN FRANCISCO DISTRICT



FEASIBILITY:

Port of Long Beach Nav Imp	200,000
Redwood City	579,000
TOTAL FEASIBILITY	779,000

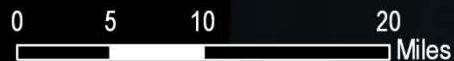
CONSTRUCTION:

Oakland Harbor	6,000,000
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BASED ON FY 2015 PRESIDENT'S BUDGET



San Francisco District Navigation Projects Overview




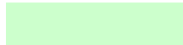


Courtesy of eCoastal GIS
USACE San Francisco District

Proposed FY15 Dredging Plan*

Schedules contingent on availability of funds.

Project	2014			2015									FY16			Volume	Placement Site
	OCT FY15	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT FY16	NOV	DEC		
Humboldt Bar&Entrance							ESSAYONS									1mcy	HOODS
SF Main Ship Channel							Hopper Contract									350kcy	OBDS/ SF-17
Richmond Inner Harbor																350kcy	SFDODS or Upland
Richmond Outer Harbor																250kcy	SF-11
Pinole Shoal																150kcy	SF-10
Suisun Bay Channel																175kcy	SF-16
Oakland Harbor																600kcy	Upland
Redwood City Harbor																350kcy	SF-11
Sacramento DWSC																	Upland
Stockton DWSC																	Upland

 Complete & Ongoing Contracts
  Government Hopper
  New Dredge Contract
  Environmental Window

* Based on FY15 President's Budget, Dredge schedule subject to change

Updated: 17 Oct 2014

** Work Window Extension Required

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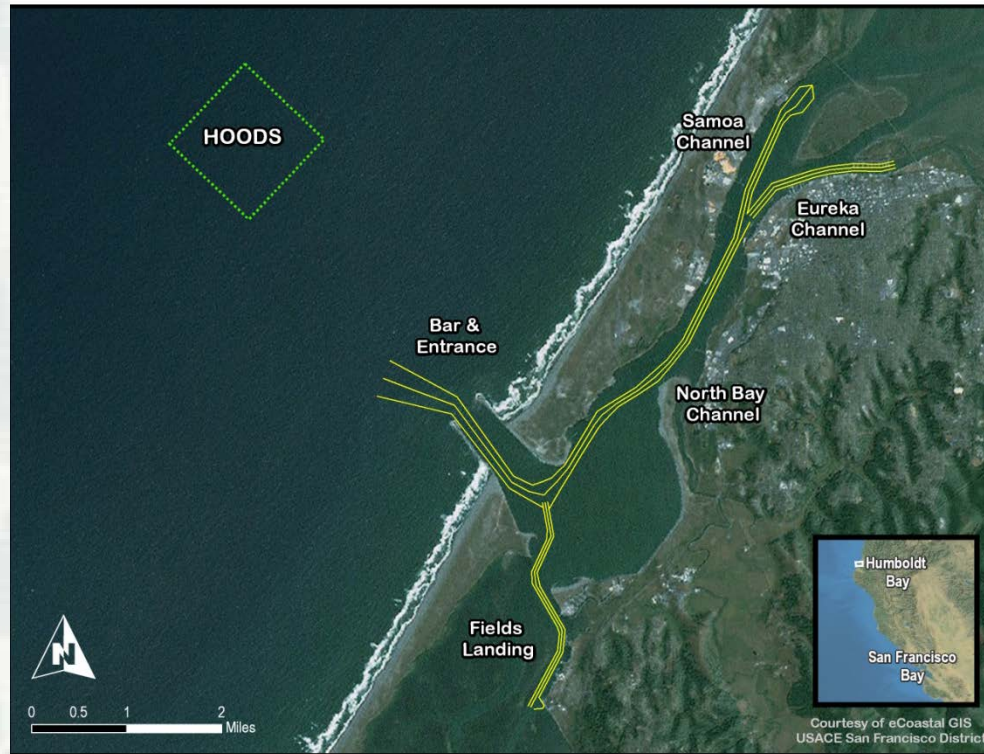
Complete & Ongoing Contracts
 Government Hopper
 New Dredge Contract
 Environmental Window

* Based on FY15 President's Budget, Dredge schedule subject to change

Updated: 17 Oct 2014

** Work Window Extension Required

Humboldt Bar & Entrance



- Up to 1,000,000 cubic yards
- Hopper (Gov't)
- Start Work: April-May 2015
 - ▶ ~10 days by Essayons
- Ocean Disposal (HOODS)
- Interior Channels funding limited

San Francisco Main Ship Channel



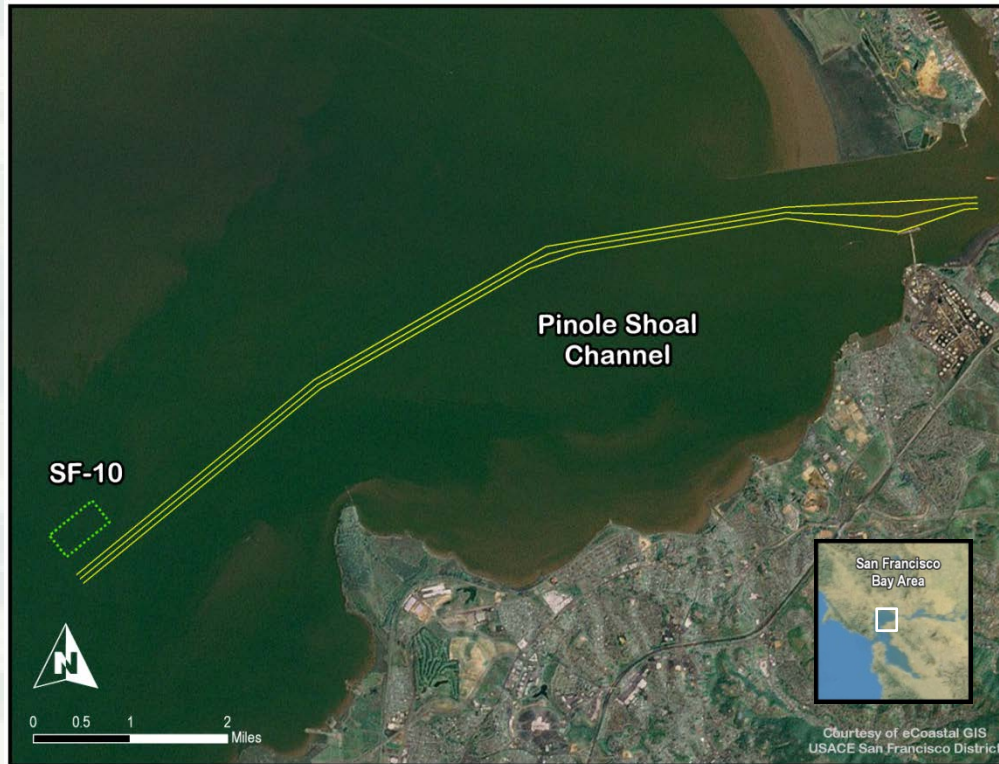
- ~350,000 + cubic yards
- Hopper FY15 WCH (FY15 West Coast Hopper Contract)
- Start Work: mid-May 2015
- Ocean Disposal (SF-17)

Richmond Inner & Outer Harbor



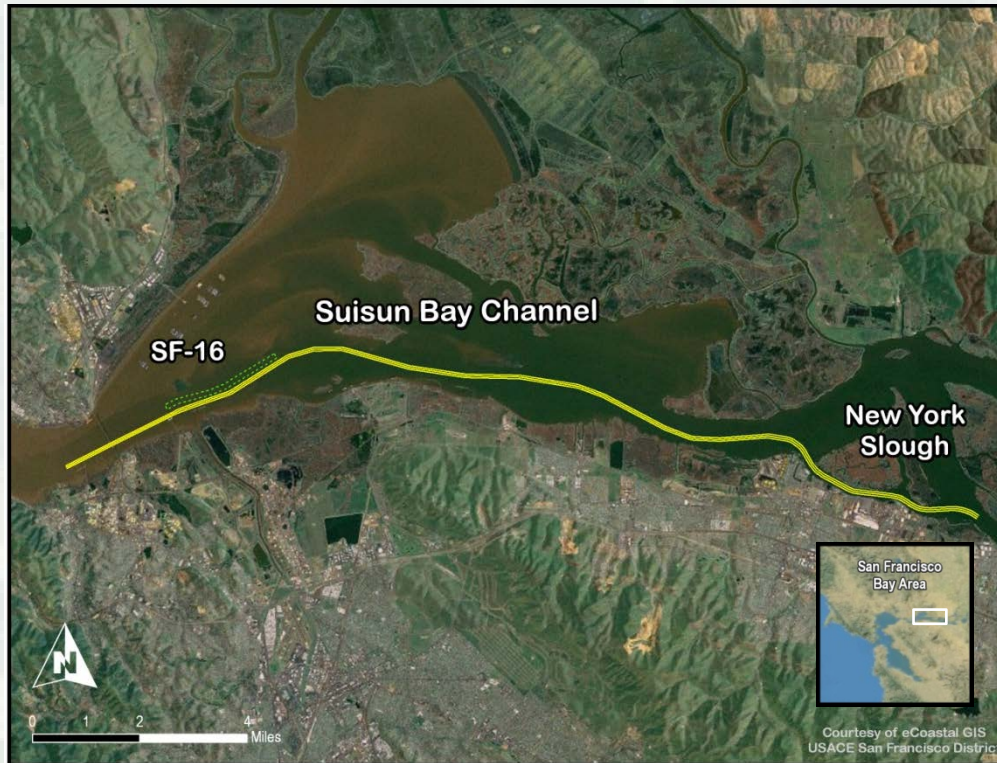
- Solicitation: May 2015
- Start Work: mid-June 2015
- Outer Harbor
 - ▶ ~250,000 cubic yards
 - ▶ Clamshell or Hopper
 - ▶ In-bay (SF-11) or Contractor provided upland placement
- Inner Harbor
 - ▶ ~350,000 cubic yards
 - ▶ Clamshell
 - ▶ Ocean (SFDODS) or Contractor provided upland placement

San Pablo Bay / Mare Island Strait (Pinole Shoal)



- **Joint contract with Suisun**
- Solicitation: May 2015
- Start Work: mid-June 2015
- 150,000 cubic yards (~85% Sand)
- Clamshell or Hopper
- In-Bay Disposal (SF-10) or Contractor provided upland placement

Suisun Bay Channel



- Joint contract with Pinole
- Solicitation: May 2015
- Start Work: mid-Aug 2015
- 175,000 cubic yards (~85% Sand)
- Clamshell or Hopper
- In-Bay Disposal (SF-16) or Contractor provided upland placement

Oakland Inner and Outer Harbor



- Solicitation: June 2015
- Start Work: Aug 2015
- 600,000 cubic yards
- Clamshell
- Contractor provided upland/beneficial reuse placement

Redwood City Harbor



- Existing Contract
- Awarded in 2014
- Contractor: RE Staite Engineering, Inc
- 350,000 cubic yards
- Clamshell
- SF-11

Los Angeles District FY15 Dredging Projects

Projects

-  Morro Bay Harbor
-  Santa Barbara Harbor
-  Ventura Harbor
-  Channel Islands Harbor
-  Los Angeles-Long Beach Harbor
-  Oceanside Harbor



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FY 2015 Contracts

- Existing Dredging Contracts:
 - Santa Barbara Harbor
 - Channel Islands Harbor
 - Ventura Harbor
 - Los Angeles-Long Beach Harbor
 - Oceanside Harbor
- New Contract:
 - LA-LB Breakwater Repairs



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Morro Bay Harbor



- Annual dredging is performed by USACE hopper dredge, Yaquina.
- Scheduled to Start in May 2015



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Santa Barbara Harbor

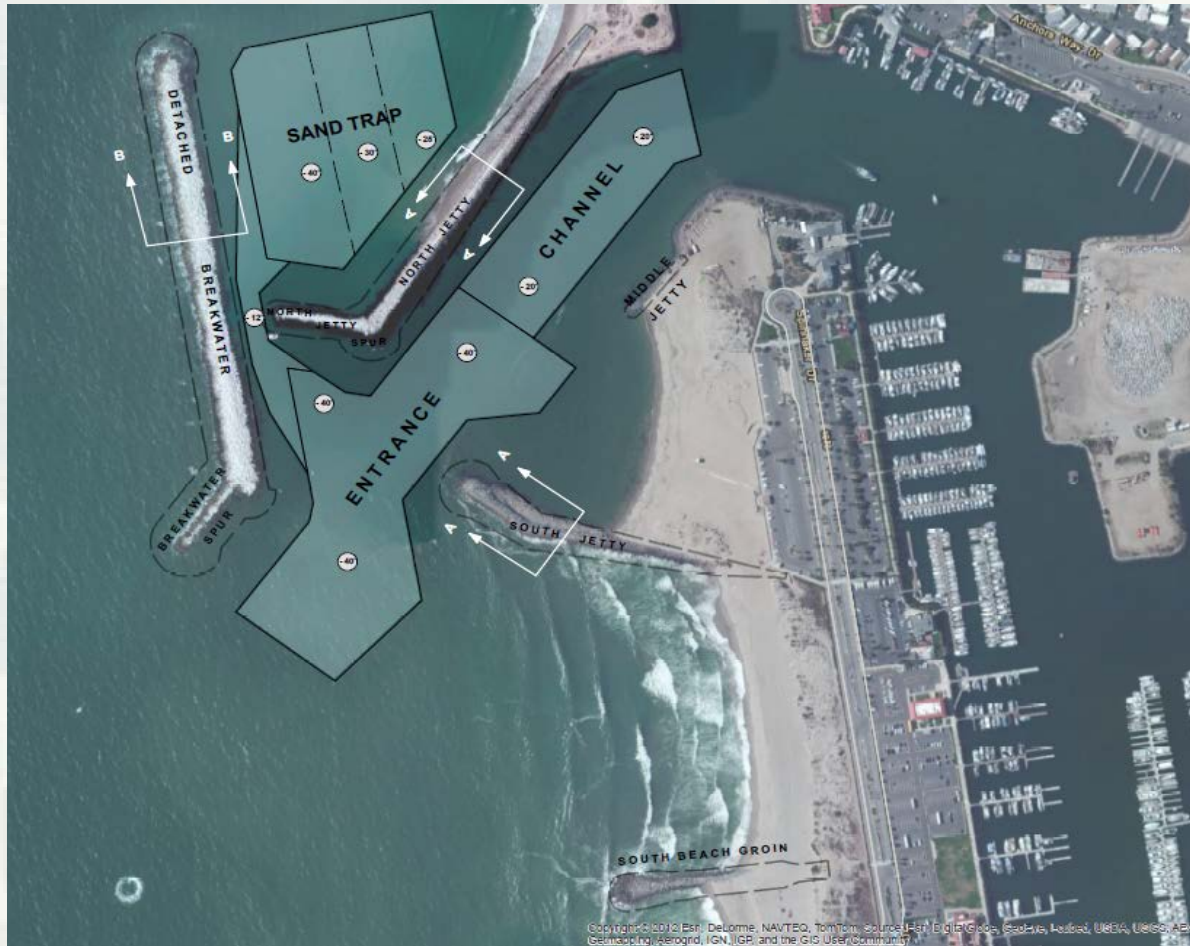


- Existing Contract:
Base + 2 year Options
- Contractor: AIS
Construction Co
- Two cycles/year
- 300,000 Cubic Yards /
Year
- FY15 is the 2nd year of
the contract
- Disposal Type: Beach
- Fall cycle completed in
Dec 2014



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Ventura Harbor

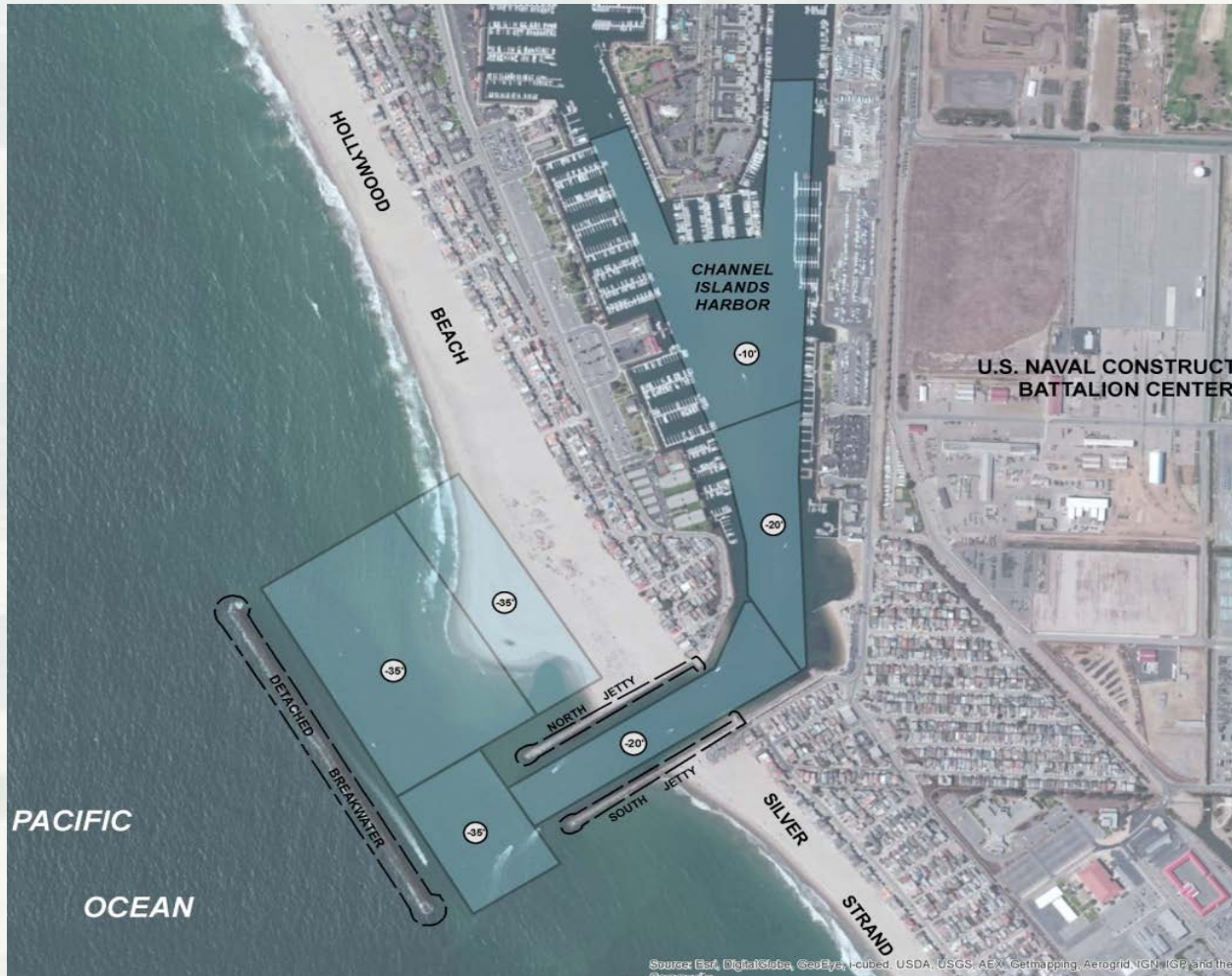


- Existing Contract:
Base + 2 year Options
- Contractor: Manson Construction Co
- Scheduled to start in early February
- Disposal Type: Beach
- New contract in FY16



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Channel Islands Harbor



- Existing Contract:
Base + 2 year Options
- Contractor: Manson Construction Co
- Work started in October 2014
- Scheduled to complete in January
- Disposal: Hueneme Beach
- 2.3 million cubic yards



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Channel Islands Harbor

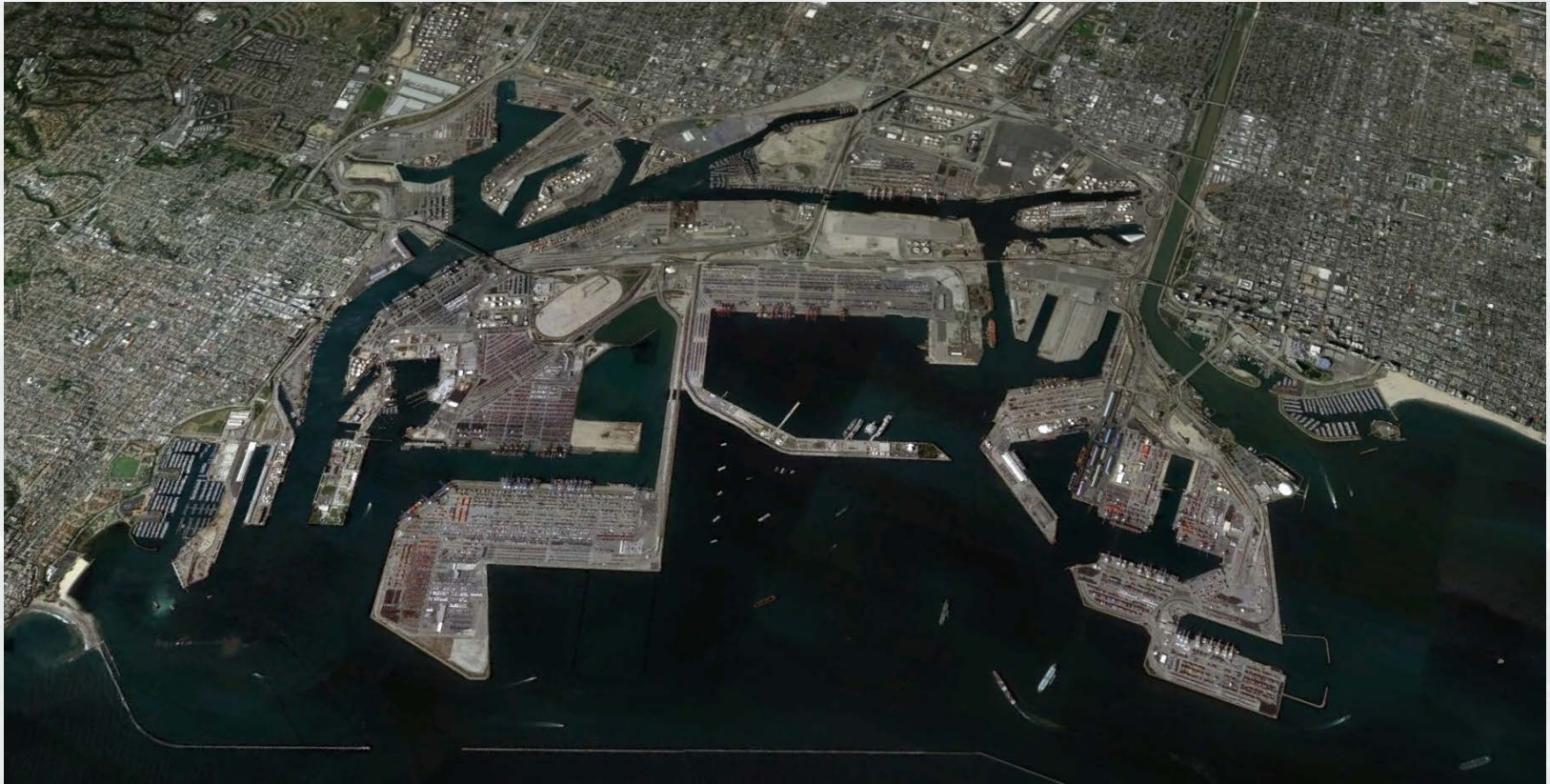
Hueneme Beach:

Before and current condition.



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Los Angeles – Long Beach Harbor



- Existing Contract:
Base + Options
Contractor: Curtin Maritime

- Dredge Type: Clam
- Disposal Type: Nearshore/Ocean
- Awarded on 30 Sep 2014
- Working in LA River



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Oceanside Harbor



- Existing Contract:
Base + 2 year Options
- Contractor: Manson Construction Co
- Work scheduled to started in March 2015
- Disposal Type: Beach
- 180,000 cubic yards



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FY 2015 Los Angeles District Dredging Schedule

DRAFT O&M DREDGING PLAN FOR FY15*

		2014			2015									Volume	Placement Site
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
Project	Adv./Open Bids Dates	FY 2015													
Los Angeles-Long Beach Harbor	08/22/14													800kcy	Ocean/Nearshore
Oceanside Harbor Multi-year Contract	Exercise Option													180kcy	Beach
Santa Barbara Harbor Multi-year Contract	9/16/2013-10/16/13													300kcy	Beach
Channel Islands Harbor Multi-year Contract	Exercise Option													800kcy	Beach
Ventura Harbor Multi-year Contract	Exercise Option													630kcy	Beach
Morro Bay Yaquina	n/a													120kcy	NSDS



Complete & Ongoing Contracts



Gov't Dredge



New Dredge Contract



Environmental Window

* Based on FY15 President

Updated: 10/3/2014



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Navigation Structure Project



2014 Hurricane Marie:

- Wave action caused some major damages on the breakwaters
- Middle Breakwater suffered the most damages
- An emergency contract was issued to repair some of these damages



Images

Elev. 41'

8/27/14



2 of the Breaches



Road Damage



Navy Mole



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Project Status



- Breakwater repair is on-going. Connolly Pacific completed three breached areas and rebuilt the head of San Pedro Breakwater.
- New Repair Contract scheduled to advertise in early summer.



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FY14 Dredging Program Review

- Forecasting dredge volumes and appropriate project funding always challenging.
- Unexpected spring shoal volumes at Oakland & Richmond Harbors resulted in contracting and funding delays necessitating environmental window extensions. Contractor equipment breakdowns contributed to further delays at Richmond.
- Compliance with Federal Standard (least cost environmentally acceptable disposal) has led to conflict with regulatory agencies. EPA withdrew ocean dumping concurrence and BCDC has not extended CD approval for Richmond for not taking material upland after 30 November.
- Disagreement with resource/regulatory agencies on impacts of dredging.



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Questions ?



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