Navy Environmental Challenges and Opportunities in the Southwest

Gold Coast Industry Presentation
August 8, 2012

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Acting Restoration Program Manager
NAVFAC Southwest
**Report Documentation Page**

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<td>Naval Facilities Engineering Command Southwest, 1220 Pacific Highway, San Diego, CA, 92132-5190</td>
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**13. SUPPLEMENTARY NOTES**

Presented at the 2012 Navy Gold Coast Small Business Conference, 6-8 Aug, San Diego, CA.

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Standard Form 298 (Rev. 8-98)
Prescribed by ANSI Std Z39-18
Navy Region Southwest Installations and Special Areas

- NAS Fallon
- NAS Lemoore
- NAWS China Lake
- NAS Fallon
- NAS Lemoore
- NAWS China Lake

Locations:
- Skaggs Island
- Port Hueneme
- Long Beach
- Monterey
- San Diego
- Fallon
- Lemoore
- China Lake

Special Areas:
- Target B-20
- Target B-19
- Target B-17
- Target B-16
- Target B-15
- Target B-14

Ranges:
- NVAF
- NOSC
- NVAF
- NOSC
- NVAF
- NOSC

Other Locations:
- Centerville
- Det Magna
- Det Magna
- Det Magna

Note: This map shows a detailed layout of various installations, ranges, and special areas within the Navy Region Southwest.
Budget Control Act of 2011: DON funding reduced $58.1B across the FYDP from FY12 President’s Budget Baseline

Environmental Staffing History for NRSW Installations

Port Operations: Berthday
Output Metric: Berthday/ship/Installation

Sub Processes
- IT
- Freshwater
- Sewage
- Trash Removal
- Electricity
- Etc...

Capacity

Consumption rates compare resource capacity to hours needed

Core/Sub Sustaining Processes

# Berths

# Ships

Berthdays Per Installations

Output volume can be changed to analyze impacts on resources (over/under capacity)

Volumes

Volume, and capacity flow and interact in Consumption Models

TRAVEL
Regulatory Compliance Context

High number of environmental bills, rules, and permits proposed each year

Majority of SW Navy and Marine Corps installations are in California

California has aggressive, multi-level air, water, and other media regulatory agencies, including:

- California Air Resources Board (ARB)
- County Air Pollution Control Districts (APCDs) or Regional Air Quality Management Districts (AQMDs)
- California Water Resources Control Board
- Regional Water Quality Control Boards (9 regional boards in CA)
- Dept of Toxic Substances Control (DTSC)
- California Certified Unified Program Agencies (CUPA) (general county and local agencies)
- California Dept of Public Health
- State Lands Commission
- California Coastal Commission
- California Integrated Waste Management Board

Regulations, rules, and permits are more stringent than federal requirements requiring extensive and labor-intensive recordkeeping and reporting

Level of regulatory oversight is evidenced by the high number of inspection days, environmental permits, and reporting requirements

This regulatory context leads to high environmental compliance and conservation costs
**SW Environmental Comparisons**

**Conservation and Resource Management**

- **49 Federally Listed Species**
  - NPS Monterey - 4
  - NWS Seal Beach - 9
  - NAS El Centro – 2
  - NAWS China Lake - 3
  - NB Ventura County – 14
  - NAS Lemoore – 1
  - San Diego Metro / San Clemente Island – 35

- **60 State Listed Species and Species of Concern**

- **80% of Navy’s Biological Opinions annually**

- **Critical Habitat for San Diego Fairy Shrimp at NB San Diego and Peninsular Bighorn Sheep at NAF El Centro**

**Agency Inspection Days by Region**

- SW has greatest combined media total regulatory inspection days on site

- Regulatory program emphasis differs from Region to Region

**NEPA/Environmental Planning**

- FY 12 Navy In Progress:
  - ~6 EISs, 2 NRSW
  - ~26 EAs, 19 NRSW

**Number of CATEXs Produced**

- SW has the largest number of recorded and estimated sites Navy wide

- Major effort to record 10,700 estimated sites at San Clemente Island, China Lake, and Fallon

- Managing 18,000 range sites is challenging task
Growth in the Southwest

57% Increase in Projected Vessel Loading Expected by 2021

- **Plant Replacement Value**
  - $29,748,445,150

- **Land Acreage**
  - 1,421,277

- **Ships and Aircraft**
  - 58 Surface Ships
  - 6 Submarines
  - 1 Aircraft Carriers
  - 576 Aircraft

- **Commands**
  - 617 Tenant Commands
  - 1 Hospital
  - 1 Research Graduate School

Estimates for 2017:

- **Ships and Aircraft**
  - 68 Surface Ships
  - 6 Submarines
  - 3 Aircraft Carriers
  - 584 Aircraft

- **Commands**
  - 634 Tenant Commands
  - 1 Hospital
  - 1 Research Graduate School
# DoN Environmental Budget

## FY12 DoN Program

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<th>FY11</th>
<th>FY12</th>
<th>FY13</th>
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<td>Conservation</td>
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<td>153</td>
<td>212.9</td>
<td>129.5</td>
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### Distribution Chart

PB13 Total = $1,109M

- Environmental Quality
- Technology
- Active Base Cleanup
- BRAC Environmental
FY12 EV Project Execution Overview

Total FY12 Project Execution $290M

Southwest EV Execution accounts for ~50% of LANT’s total

- BRAC $134M
- ERN $61M
- EQ $95M
- EC $64M
- NEPA $8M
- NR $15M
- CR $8M

Bar chart showing percentage breakdown:

- SW
- Wash
- SE
- MW
- NW
- ML
- EURAFSWA
- Lant
Some Current Issues:
- NPDES Storm Water Permitting
- Areas of Biological Significance
- Air Permitting at Small Arms Ranges
- Marine Coatings & Ships’ Forces
- NEPA
Some Current Issues:
- Green and Sustainable Remediation Proclamation
- Optimization
- Post ROD Focus
- Emerging Requirements
ER,N Program IRP vs. MRP ($M) NAVFAC SW

FY35 Roll-up of Out-Years
# Environmental Contract Capacities

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>FY12 Execution</th>
<th>FY13 Planned Execution</th>
<th>Current Contract Capacities</th>
<th>FY13-15 Planned Solicitations</th>
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<tr>
<td>Restoration</td>
<td>$195M</td>
<td>$136M</td>
<td>$1,200M</td>
<td>$370M</td>
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<td>Compliance/ORC</td>
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<td><strong>TOTALS</strong></td>
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8/9/12
## SW EV Procurements Currently Underway

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<tr>
<th>Contract Type</th>
<th>Scope</th>
<th>Location of Work</th>
<th>Contract Capacity/Duration</th>
<th>Type</th>
<th>RFP date</th>
<th>Projected Award Date</th>
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<td>Remedial Action Contract (RAC) VI Single Award IDIQ; Cost Plus-Award Fee</td>
<td>Restoration</td>
<td>SW AOR</td>
<td>$100M/5 yrs</td>
<td>Unrestricted</td>
<td>July 2011</td>
<td>December 2012</td>
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<td>Remedial Action Contract (RAC) - Single Award IDIQ; Cost Plus - Award Fee</td>
<td>Restoration</td>
<td>SW AOR</td>
<td>$100M/5 yrs</td>
<td>Small Business</td>
<td>June 2011</td>
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<td><strong>Environmental Compliance</strong></td>
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<td>A-E Compliance Single Award, IDIQ; Fixed price</td>
<td>Multi-Media - support Compliance, IR, RCRA, MMRP and BRAC projects</td>
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<td>$50M/3 yrs</td>
<td>Small Business</td>
<td>July 2011</td>
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<td>A-E Compliance Single Award, IDIQ; Fixed Price</td>
<td>Storm Water - incidental potable water, wastewater, groundwater, water quality</td>
<td>NAVFAC - WIDE</td>
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## SW EV Planned Procurements

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• Listing of expected NAVFAC Environmental Contract Opportunities
  • NAVFAC Webpage: www.navfac.navy.mil

• Small Business Program Office Webpage: https://smallbusiness.navfac.navy.mil

• Federal Business Opportunities: www.fedbizops.gov
Questions?