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### California Offshore Planning Areas

## Informational & Operational Overview

15 February, 2018



## Strategic DOD Mission California Outer Continental Shelf (OCS)



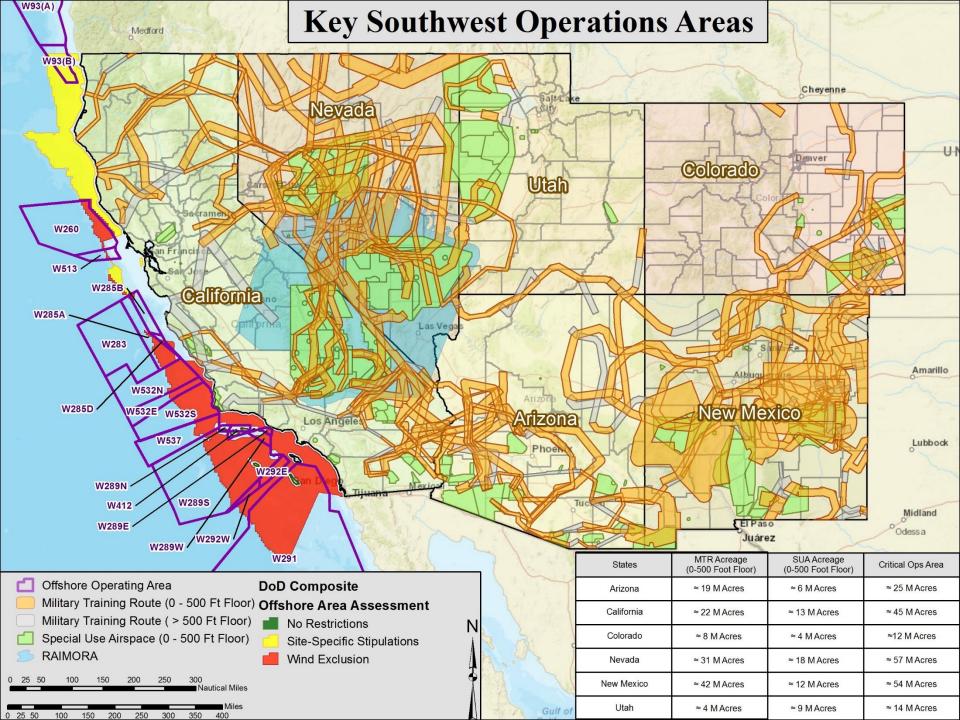
**Context:** DOD conducts training, testing and operations in the airspace, sea surface and seafloor of California's Outer Continental Shelf (OCS) – all of which are critical to military readiness and National Security.

#### **Geography:**

- > Airspace—Restricted, Warning Areas, Air Traffic Control Assigned Airspace
- > Sea and Undersea Space Operating Areas, Safety/Danger/Exclusion/Restricted Zones
- Terrestrial Dynamic full mission profile with live fire for Amphibious, Naval Special, and Strike Warfare
- Over-the-Horizon Command & Control, Electromagnetic Warfare in contested environment, Combined Arms from sea to land

#### **Instrumentation (communication and track):**

- > 700+ sq nautical mile in-water bi-directional hydrophone array (deep to shallow water)
- > Electronic Warfare (>500nm)
- Surface Fast Attack Craft/Fast Inshore Attack Craft (FAC/FIAC)
- > Sub-surface minefields (sub, helo, ships, divers)
- > Network connectivity = Common Operating Picture (COP)





## Strategic DOD Mission - CA OCS Training Requirements



#### **DOD Training Requirements:**

- > Offshore Range availability ensures execution of Optimized Fleet Response Plan, and ability to meet deployment schedules for Navy forces across the spectrum (air, surface, undersea).
- > Supports low-altitude training, electronic warfare training, surface navigation/seamanship, and ship/helo anti-submarine training.
  - ~2,500 training events/year
- > Southern California Range Complex is the Pacific Fleet's primary west coast training area, supporting the largest concentration of naval forces in the world.
  - Supports ~30k training events/year.
- > Supports unit level training, complex group level training and major training exercises, including live fire activities.
- > Irreplaceable instrumented underwater ranges
- > Strike Fighter Wing Pacific utilizes offshore special use airspace for daily flight operations used for completing unit level qualification.
  - Supports basic, intermediate and advanced squadron training requirements.
  - Critical open ocean areas for carrier landing certifications.



## Strategic DOD Mission – CA OCS Testing Requirements



#### **DOD Testing Requirements:**

- ➤ Real-time Command and Control of the Western Range
  - Spacelift Operations
  - Ballistic Missile Test and Evaluation
  - Orbital Vehicle Recovery
  - Aeronautical Test and Evaluation
- ➤ Assure our Nation's Access to and from Space
  - Plan, schedule, operate range in support of launch agencies
  - Develop tailored mission flight rules
  - Terminate flight if required; protect the public
- ➤ Plan and Schedule all Western Range Operations
  - Pre-launch, launch and aeronautical operations
  - Coordinate, plan and task midrange and downrange support



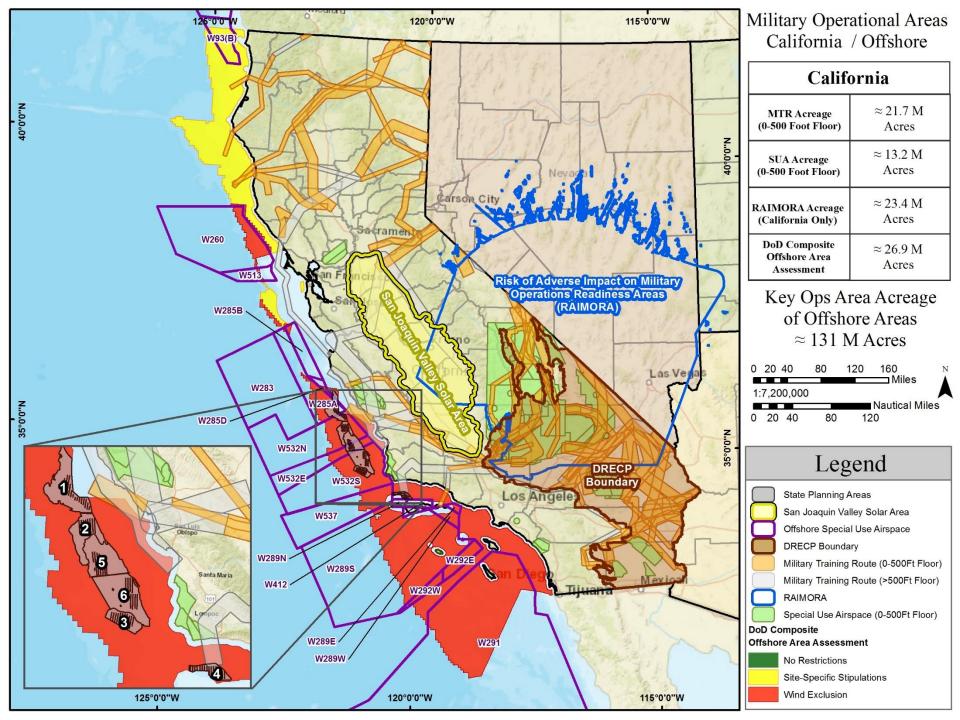
# Strategic DOD Mission – CA OCS Testing Requirements cont.



#### **DOD Testing Requirements cont.:**

- The Point Mugu Sea Range provides operationally realistic climatic and physical features that closely simulate conditions in many of the primary threat regions of the world, which allows for realistic testing and training of new planes, weapons and other systems prior to deployment.
- The combination of location, extensive instrumentation capacity, over-the-horizon command and control, unique test capabilities, and realistic sea/air environment for conducting large joint service test and evaluation or training exercises with integrated subsurface, surface, and air participants.
- ☐ Multi-service, multi-national, multi-participant testing & training
- ☐ Small scale tests & large, complex events
- □ Long-range, large hazard pattern weapons
- ☐ Littoral operations
- ☐ Air, surface, submarine launched weapons (sea/land)
- □ ICBM, missile defense, and polar orbit satellite launch

- Unmanned Systems RDAT&E
- ☐ Threat/Target T&E for Navy Targets
- □ Directed Energy RDAT&E
- □ Hypersonic RDAT&E
- □ Electronic Warfare RDAT&E
- □ Concurrent live-fire operations
- □ Subsonic/supersonic launch platforms





### DOD Mission Impacts Readiness and National Security



#### CA State area #1 & 2

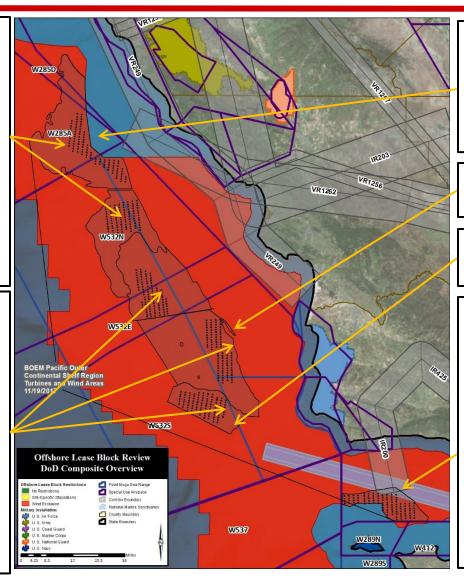
#### Impacts:

- Creates background clutter in any radar looking north/northeast/east from OPS in W532/W289.
- Military Training Routes ingress and egress near these sites
- Blocks potential radar and launch capabilities from Ft Hunter-Liggett.
- Could cause commercial shipping be pushed further into PMSR.
- Impacts target/weapon launch/tracking capabilities

#### **CA State area #3, 5 & 6**

#### Impacts:

- Impact low level flights in the entire eastern 1/3 of W532.
- Would necessitate longer flight times from inland airfields to testing/training areas further offshore.
- Blocks radar coverage from VAFB and from proposed radar site at FHL
- Impacts target/weapon launch/tracking capabilities



#### CA State area #1

Impacts: NSW OPS, CNAP/CSFWP (F/A-18 & JSF), & FACSFAC RADARS, SAR Operations. In proximity of VR-1262 Low level entrance.

#### CA State area #6

Impacts: CSP Navigation and transits

#### CA State area #3

Impacts: CSP Navigation and transits

#### CA State area #4

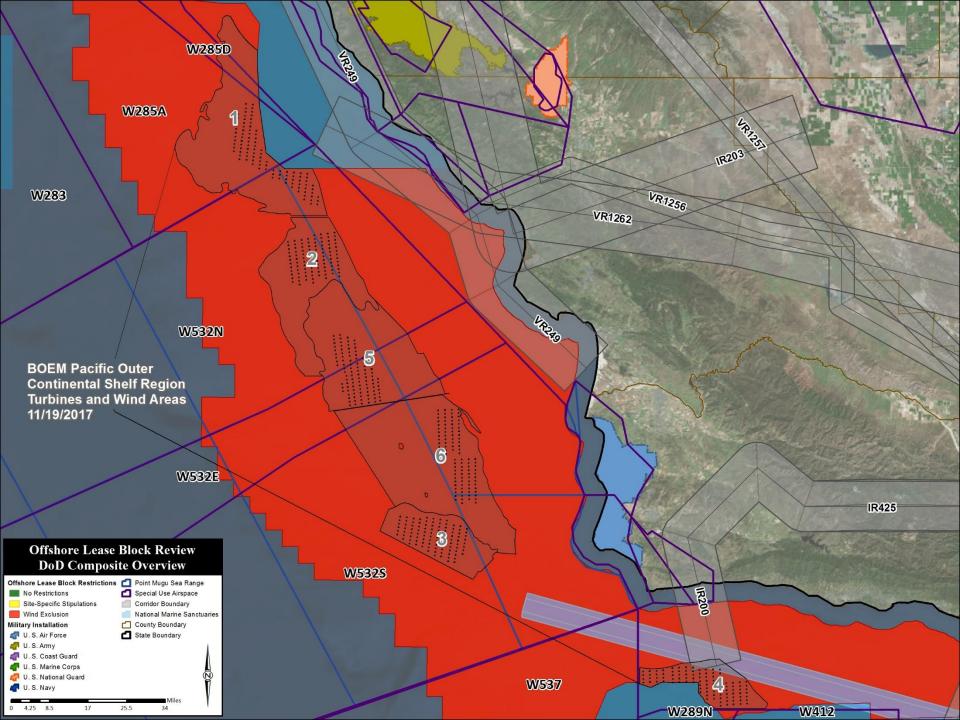
#### Impacts:

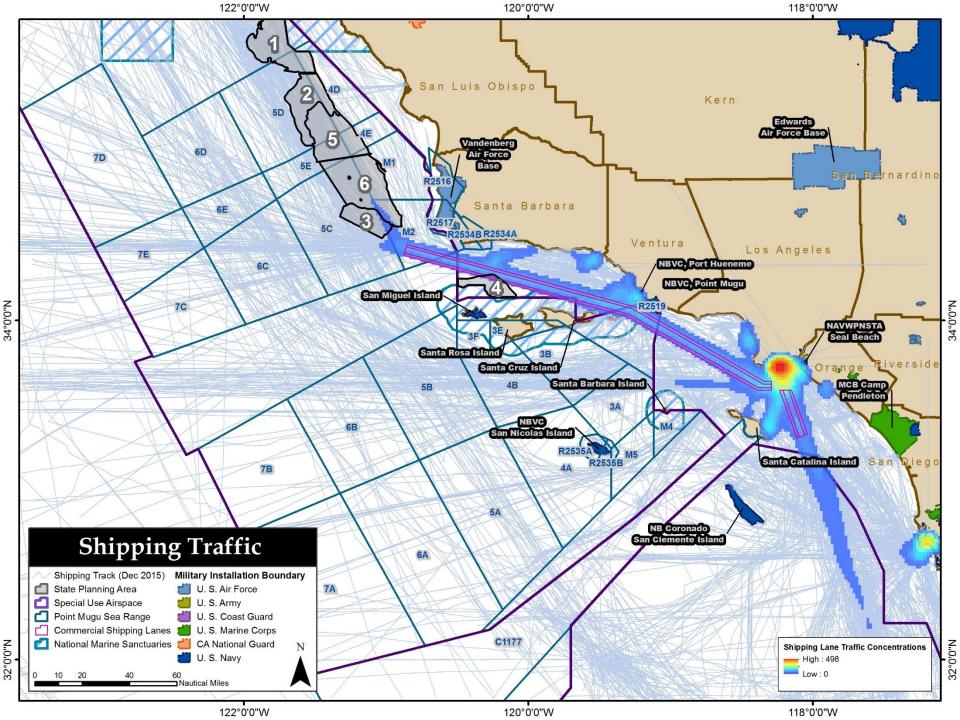
- C3F, CNSP, NSW and CSP Safety of Navigation and Transit
- Cause background clutter to radars looking south from VAFB, west from Pt Mugu.
- USCG/OAA TSS would be more than half-blocked. Safety issue, and re-routed ships issue.
- Physical/electronic impact to IR 200.
- Severe impact to NAVSEA Surface Warfare Engineering Facility site





## Back Up







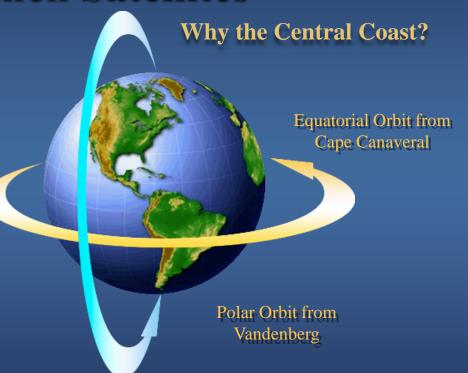
### Launch Satellites

Intelligence, Surveillance & Reconnaissance

Weather

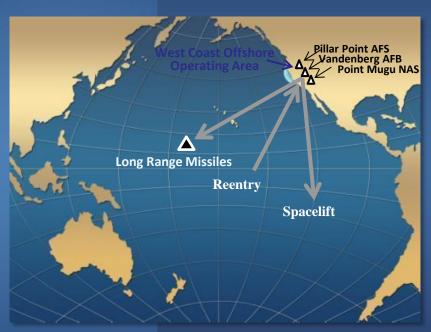
Combat Search and Rescue Capability

Natural Disaster Monitoring





### **Operate Western Range**



Western Range provides Team V Partners unique capabilities for their vital National Missions

### Supports all launch, landing and airspace control activity from Vandenberg

- Range Assets

  - Telemetry and Radar Command and Control
  - Optics
  - Communications