Marine Protected Resources Enforcement and Conservation

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The Coast Guard's motto is *Semper Paratus*, meaning "Always Ready."

**Missions**

By law, the Coast Guard has 11 missions:

- Ports, waterways, and coastal security
- Drug interdiction
- Aids to navigation
- Search and rescue
- Living marine resources
- Marine safety
- Defense readiness
- Migrant interdiction
- Marine environmental protection
- Ice operations
- Other law enforcement

*(listed in order of percentage of operating expenses)*

Thus, we are military, multi-mission, and maritime.
“Seal identification” may be context-dependent:

Missions: LMR, MER, etc.  Missions: MSR, DOD, etc.
PRIORITIES: Protect and recover healthy populations of marine protected species and support sustainable management of Federal marine protected areas.

GOALS: We will do this by advancing three goals:

1. Effective Presence: Enforcing marine protected resource laws and regulations;
2. Enhanced Engagement: Leveraging the expertise and capabilities of partner agencies to craft sound, enforceable regulations and provide consistent, assertive external messaging;
3. Exemplary Execution: Supporting at-sea conservation activities and maintaining best practices to avoid adverse impacts to protected resources resulting from at-sea operations.
Sanctuary Sites: Inventory & Typology

**Whales/Whale Habitat:**
- Stellwagen Bank NMS
- Hawaiian Isl. Humpback Whale

**Coral Reef Environments:**
- Florida Keys NMS
- Papahanaumokuakea MNM
- NMS of American Samoa
- Gray’s Reef NMS
- Flower Garden Banks NMS

**Cultural Resource Sites:**
- Monitor MNM
- Thunder Bay NMS
- CA Coast NMS (proposed)
- Potomac NMS (proposed)

**Various**
- California Coastal NMS (4 sites)
Federal Marine Sanctuaries/Marine Monuments

Approximate Sanctuary and Monument Growth 1975-2014

CAVEAT: Approximate areal coverage, not validated via GIS analysis nor confirmed with NOAA/DOI
Coast Guard Enforcement of Federal Marine Protected Areas

COMDTINST 16004.3A COAST GUARD INVOLVEMENT IN THE NATIONAL MARINE SANCTUARY PROGRAM

1. Maintain Comms with NOAA Sancts/OLE
2. Establish enforcement priorities
3. Provide surveillance
4. Provide notice of CG operations in sanctuary.

Level of Effort:
1. Pulse operations.
2. Opportunistic enforcement.
3. Administrative
“Deter Detect and Suppress Violations”

Potential Outcomes

• Compelled Compliance:
  – High Likelihood detection and/or severe penalties.

• Voluntary Compliance:
  – Maintain compliance when perceived likelihood of detection/penalties is low.

• Resource Stewardship:
  – Investment of effort to sustain resources, shape behavior of others.

Available Tools, Tactics

• Overt Patrol
• Routine Preventive Ops
• Educational Posture
  ______
• Covert Patrol
• Targeted/Directed Ops
• Strict/Assertive Posture
• ROI?

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Precursor to Compliance

LEGITIMACY
“Two Percenters”: Motivations, Rationalizations, Reasons

• Special interests control regulatory process.
• Science is flawed.
• Inherent rights are infringed upon by protective regulations.
• Tradition/heritage is at risk.
• Needs are greater than others.
• Entitlement.
• Subsistence.
The origin of all civil government, justly established, must be a voluntary compact, between the rulers and the ruled; and must be liable to such limitations, as are necessary for the security of the *absolute rights* of the latter; for what original title can any man or set of men have, to govern others, except their own consent?
Solution: Leveraging Effort & Expertise
A Different Interpretation of “Two-Percenters”

- X% don’t violate regs.
- Y% Violate inadvertently.
- Z% Decide to violate, but for no significant gain.
- 2% Violate and attempt to evade purposefully, electively for profit or other substantial gain.

Caveat: Warden lore, percentages are unsubstantiated and presented for discussion purposes only!
Solutions: Analysis and Planning

- Careful use and application of terms.
- Accurate characterization of threats.
- Appropriate calibration of enforcement activity.
- Allocate fiscal and temporal resources for adequate planning, coordination and adaptation.
Solutions: Technology

- Managing the “Tooth to Tail” ratio.
- Data storage and management.
- Compatibility across data systems.
- Applicability across judicial systems.
- Loitering capability/efficiency.
- \[\downarrow\] Latency between detection and confrontation.

- Looking for existing violations: An inherently Reactive Posture!
Sufficient Deterrence: More than Fear of Consequences

• Conduct an Inventory and a Threat Assessment.
• Consider current and future social context.
• Empower Advocates and Champions:
  – Resource Dependence
  – Economic Benefit
  – Cultural Affinity
• Seek advancements in detections and interdictions.
• Overcome tyranny of distance, through strength in numbers and leveraging non-judicial actions to augment conventional enforcement: Crowd Source

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Selected References, links

- NOAA Coral Reef Capacity Studies (2014)
  http://coralreef.noaa.gov/aboutcrcp/strategy/reprioritization/capacityassessments/


- OECD on Table of Eleven (2003)

- Ostovskaya, Elena “Enhancing Compliance with Environmental Laws in Developing Countries: Can Better Enforcement Strategies Help?”
## MPR Enforcement Activities FY11-FY13

### Right Whale Speed Zone
- FY11: 20
- FY12: 7
- FY13: 4

### Harassment/Takes
- FY11: 3
- FY12: 3
- FY13: 6

### NMS
- FY11: 0
- FY12: 1
- FY13: 2

### Closed Zones
- FY11: 2
- FY12: 3
- FY13: 2

### Manatee Speed Zone
- FY11: 72
- FY12: 38
- FY13: 15
**Local Event**

**International Save the Vaquita Day: Rally Outside Mexican Embassy in Washington**

**July 9, 2015**
Thursday  8:00 AM

**Embassy of Mexico**
1911 Pennsylvania Avenue Northwest
Washington, District of Columbia
Map

**FIND TICKETS**

**PERFORMERS:**
No Performers Listed

**EVENT DETAILS**

**INTERNATIONAL SAVE THE VAQUITA DAY: RALLY OUTSIDE MEXICAN EMBASSY**

The vaquita is the world's smallest and most endangered porpoise, found only in Mexico's northern Gulf of California. Less than 100 individuals are believed to remain and in an effort to save them the Animal Welfare Institute (AWI) and Greenpeace are organizing a rally outside the Mexican Embassy in Washington, DC, to bring attention to their plight as part of the International Save the Vaquita Day 2015. Please join AWI and Greenpeace as we thank the Mexican government for imposing a two-year gill net fishing ban and improving enforcement in the vaquita's habitat, and urge Mexico to make the ban permanent. Nearest Metro Stations: Farragut West (Blue, Orange, Silver lines) What to Wear: All participants will receive a free ¡Viva La Vaquita Marina! T-shirt (while supplies last) What to Bring: Water, sunscreen, and enthusiasm RSVP: info@awionline.org For more information, visit https://www.facebook.com/events/825261267387651/.

Categories: Other & Miscellaneous
The Core Missions

There are five homeland security missions:

1. Prevent terrorism and enhancing security;
2. Secure and manage our borders;
3. Enforce and administer our immigration laws;
4. Safeguard and secure cyberspace;
5. Ensure resilience to disasters;

In addition, we must specifically focus on maturing and strengthening the homeland security enterprise itself.

More on the DHS mission can be found in the Quadrennial Homeland Security Review (QHSR)
Example:
U.S. Coral Reef Task Force Capacity Studies (2014)

• Considers, among other things:
  – Federal Marine Protected Areas
  – Nested Systems
  – Local Priorities and Capacities

• Findings:
  – Socio cultural/values
  – Civil society issues
  – Capability shortfalls