

Point Mugu Sea Range Overview



USAF



Research



Navy



USMC



Fleet
NAIR

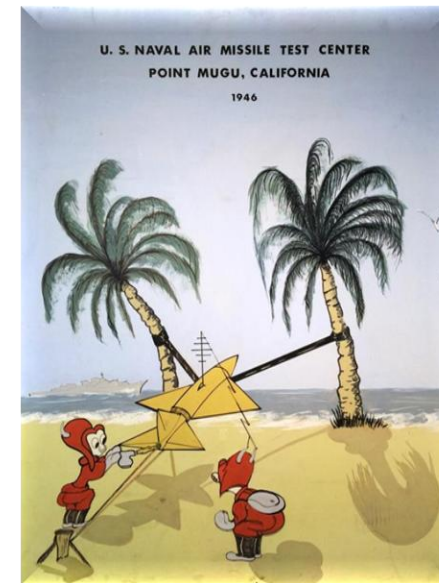
80 Year's of T&E Experience



Naval Air Missile Test Center
Established at Point Mugu
on October 1, 1946



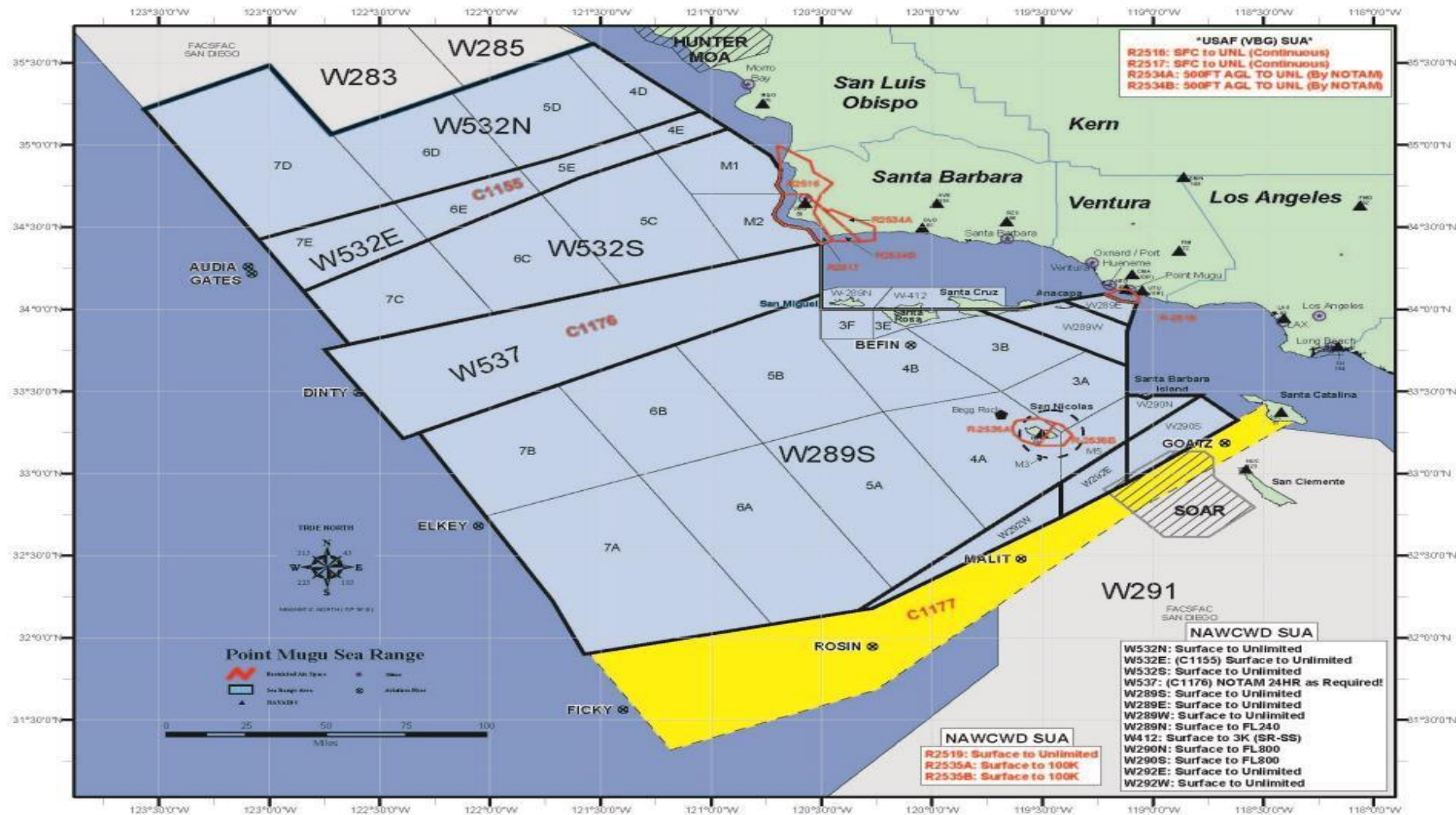
In 1945, Fleet Admiral Nimitz approved the Navy's First Missile Test Center at Point Mugu



1992



Navy's Largest Fully Instrumented Sea Test Range



Unique Capabilities -Only Range in the World with ability to conduct certain High Complexity & Long-Range Events



DoD Western+ Test and Training Complex



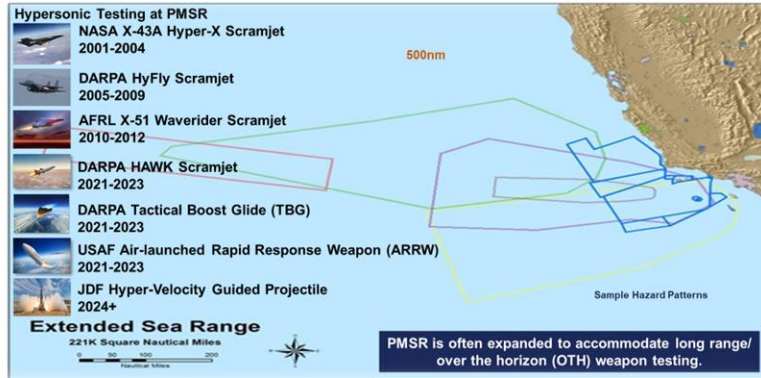
Networked Test and Training Ranges to Support all of Department of War, Foreign Partners, and Commercial Space

Support National Priority Test and Training

“Post-Grad” Test & Evaluation and Training events



Complex air, surface, and sub-surface weapons system testing

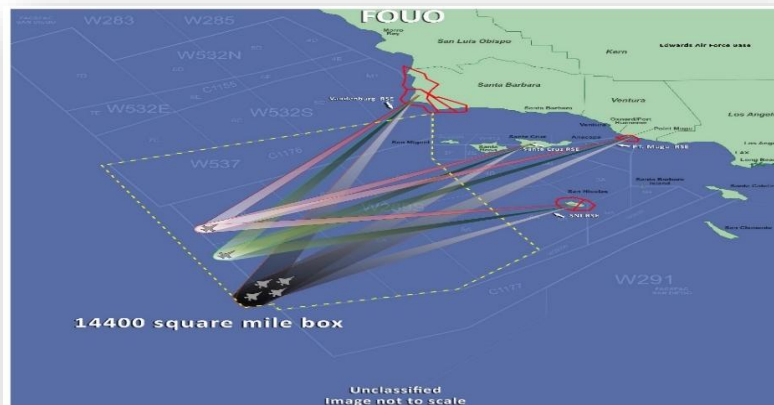


Hypersonic and Long-Range Fires

Joint Multi-Domain Large Force Live, Virtual, Constructive (LVC)



Realistic Threat Environments



PMSR's Distributed Instrumentation Network

Mobile Systems



Fixed Site



San Miguel Island

- Weather Station



Santa Cruz Island

- Surveillance Radars
- Telemetry Reception
- Communications
- Helo Pad
- Weather Station



San Nicolas Island

- Metric Tracking Radars
- Surveillance Radars
- Telemetry/Reception Display
- Communications
- Data Links
- Target Launch & Control
- Command Destruct
- Photo-Optics
- GPS
- Airfield
- Weather Station



Coastal

- Vanderberg
- Pillar Point
- Tassajara Peak

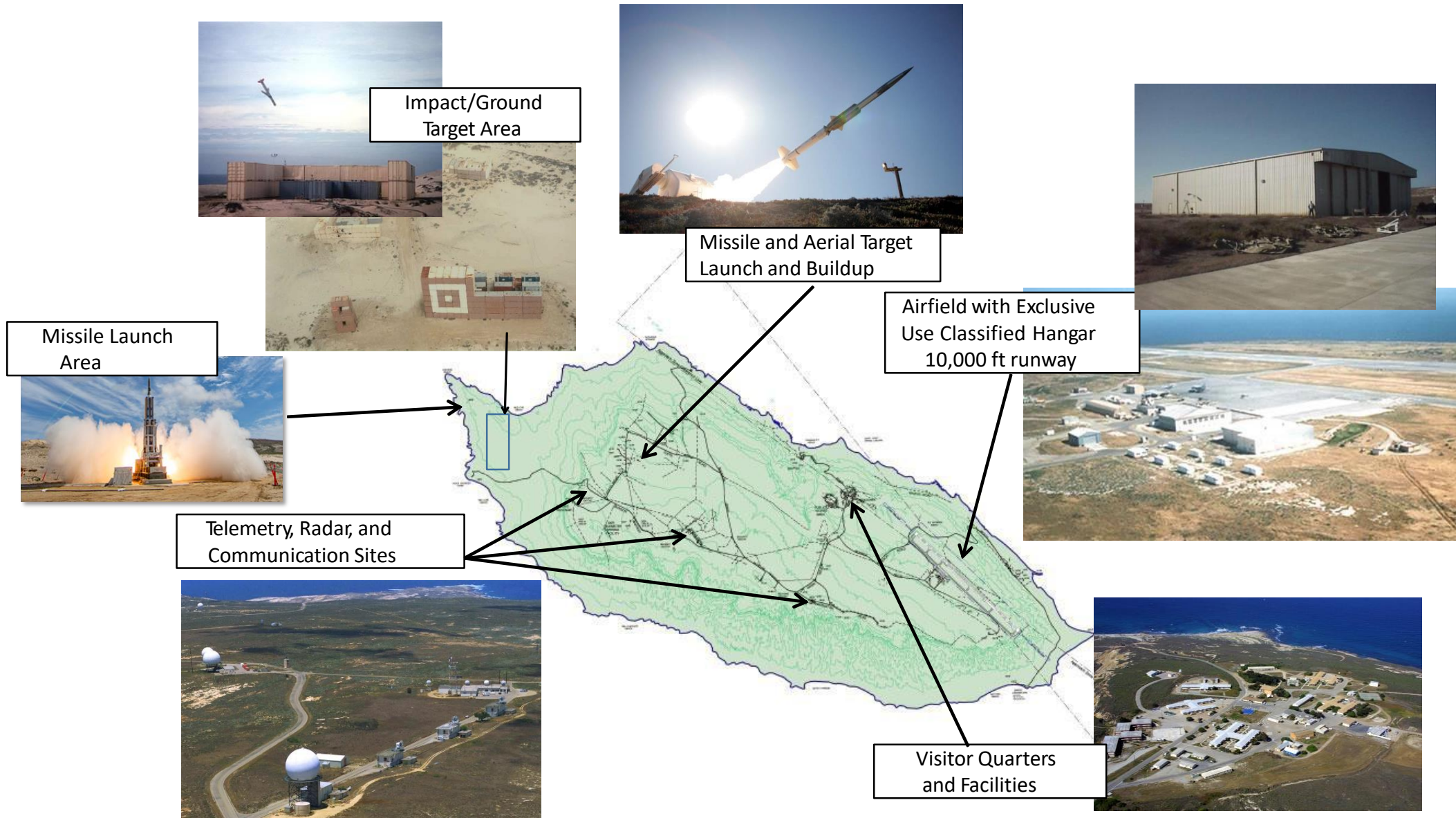


Laguna Peak

- Surveillance Radars
- Telemetry Reception
- Communications
- Data Links
- Target Control
- Command Destruct
- Photo-Optics
- Weather Station

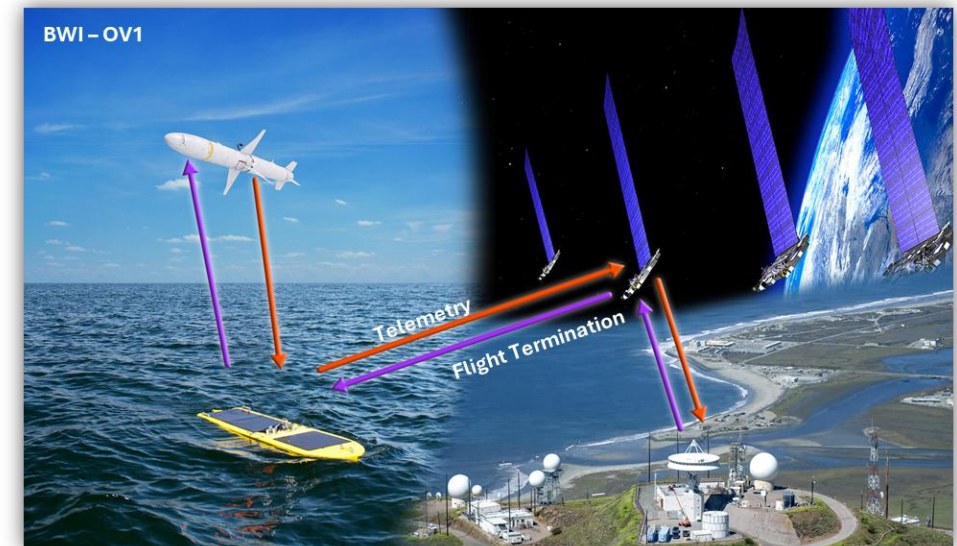
- ### Point Mugu
- Metric Tracking Radars
 - Surveillance Radars
 - Telemetry Reception/Display
 - Communications
 - Data Links
 - Target Launch & Control
 - Command Destruct
 - Photo-Optics
 - GPS
 - Data Processing & Display
 - Range Ops Center
 - Airfield
 - Weather Stations (7)

San Nicolas Island – Keystone of PMSR

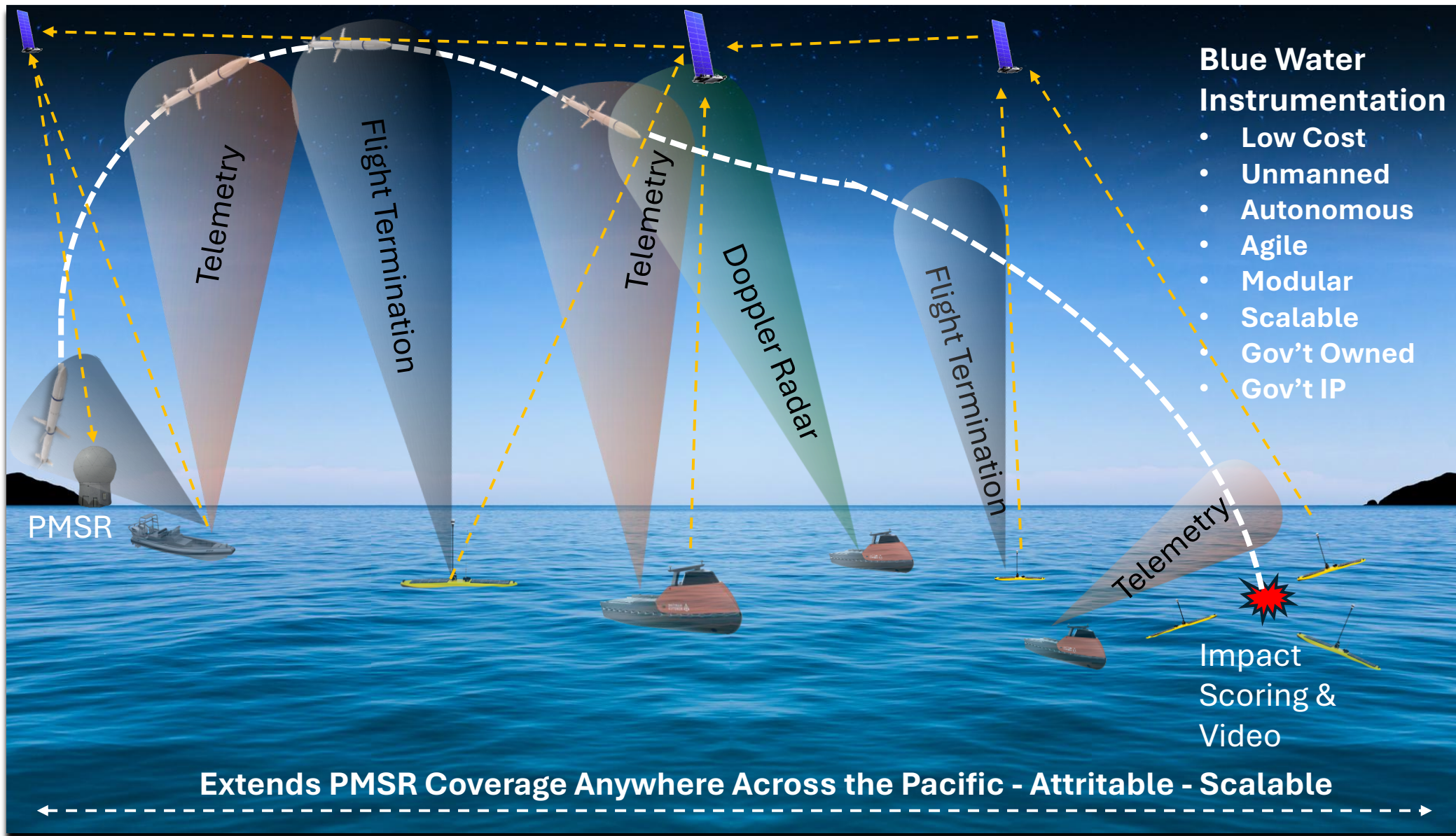


Strategic Mission-Focused Capabilities

- Multi-Object / Multi-Domain T&E
- Hypersonics and Long-Range Fires
 - Blue Water Instrumentation Initiative
- Advanced Live Virtual Construction Test and Training Environment
- NextGen AI / Autonomy Testing



Blue Water Instrumentation CONOPS



Environmental & Archaeological Stewardship

PMSR works closely with NBVC and NRSW on resource management

- SNI is home to thousands of seals, sea lions, and elephant seals in addition to protected terrestrial species of plants and animals, and sea birds
- The Navy is a partner in the effort that brought sea otters back to Southern California in 1987. Today, approximately 150 sea otters reside in the nearshore waters of the island.
- Environmental inspections required for shipping to SNI

Tribal affiliation with SNI has provided unique challenges

- Operationally and for facility construction projects
- DASN EI&E / NRSW / NAWCWD supported completed Tribal artifact return from China Lake, and scheduled return from Lakehurst in September 24



PMSR plans and executes testing to avoid adverse impacts to protected species and cultural resources

- Dedicated Sustainability Office staff
- Support Marine Mammal Protection Act permit for more than 40 species of marine mammals and 2 species of sea turtles