



# POINT MUGU SEA RANGE

## Environmental Impact Statement/ Overseas Environmental Impact Statement



# Military Readiness for Today and Tomorrow

Realistic testing and training are crucial for military readiness, personnel safety, and national defense.

### IMPORTANCE OF TESTING AND TRAINING

Systems and equipment must be tested prior to deployment and operational use. Systems are tested in different marine environments to ensure accuracy and safety.

Training must be diverse and as realistic as possible to prepare Sailors to complete their mission and ensure their success and survival.

### PROPOSED ACTION

To continue military readiness activities and increase testing and training activities that are the same as or similar to those currently occurring.

### PRIMARY MISSION AREAS AT POINT MUGU SEA RANGE

**Air Warfare** combats enemy intelligence gathering and reduces air and missile threats.



**Air-to-air:** Airborne weapons systems against targets in the air.

**Surface Warfare** obtains control of sea space through offensive action against enemy surface targets.



**Air-to-surface:** Airborne weapons systems against ground- and ship-based targets.

**Electronic Warfare** degrades enemy electronic systems and defense, and detects and counters threats to Navy electronic capabilities.



**Directed-energy:** Use of high-energy laser and high-power microwave systems from land, vessels, and aircraft; firing inert laser-targeted bombs and rockets at stationary targets (sometimes with small pyrotechnic devices).



**Surface-to-air:** Ground- and ship-based weapons systems against aerial targets.



**Surface-to-surface:** Ground- and ship-based weapons systems against ground- and ship-based targets.



**Subsurface-to-surface:** Subsurface weapons launches against ground- and ship-based targets.



**Laser systems:** Laser energy directed at fixed or dynamic targets from fixed or dynamic laser sources. (Could be operated from and directed at targets at sea, in air, or on land).

### ALTERNATIVES

#### Alternative 1 (Preferred Alternative)

- Includes activities similar to those currently occurring, but would occur at more frequent levels.
- Reflects the highest potential annual level of planned activities.
- Based on increasing requirements to meet the current geopolitical environment.
- Supports the full spectrum of potential testing and training necessary to respond to a national emergency or crisis.

#### Alternative 2

- Includes all activities under Alternative 1, but lower activity levels.
- Based on actual highest activity levels between 2011 and 2018.
- Accommodates variability in activity levels in any given year.

#### No Action Alternative

- No testing and training would occur.
- Purpose of and need for the Proposed Action would not be met.

**Alternative 1 is the Navy preferred alternative because it includes the highest potential annual level of planned activities needed to ensure the Navy is ready to respond and to meet long-term requirements.**