



POINT MUGU SEA RANGE

Environmental Impact Statement/ Overseas Environmental Impact Statement



Importance of Testing and Training

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

NAVY MISSION AT POINT MUGU SEA RANGE

To conduct state-of-the-art weapons systems testing and evaluation, and maintain military operational readiness, by providing a safe, operationally realistic, and thoroughly instrumented sea range testing environment.

TESTING ACTIVITIES

Equipment and systems must be tested prior to deployment and operational use. To ensure accuracy and safety, systems are tested in varying marine environments, such as:

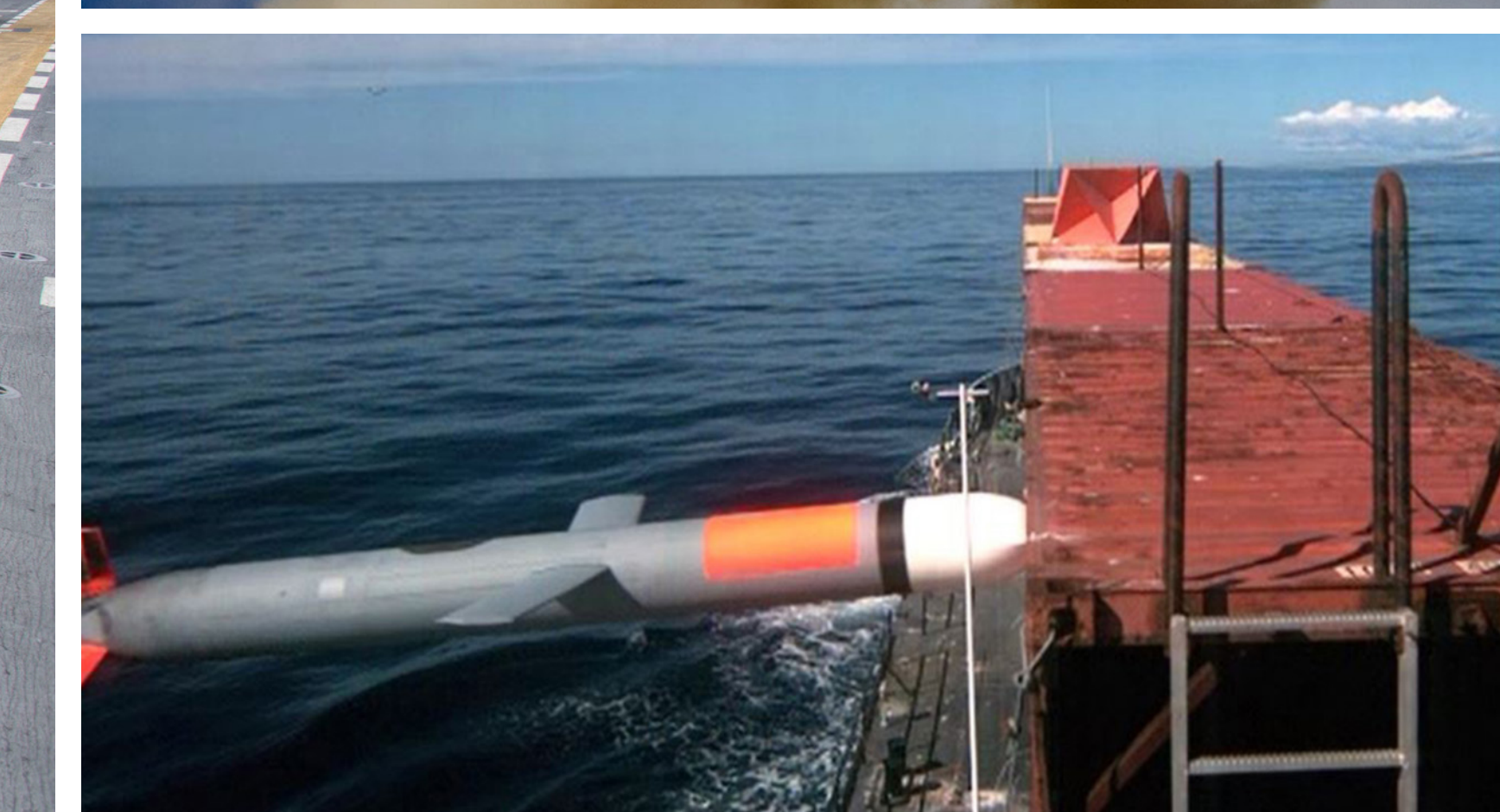
- ▶ Differing water depths
- ▶ Seafloor types
- ▶ Salinity levels
- ▶ Replicated warfighting environments

TRAINING ACTIVITIES

Training must be as realistic as possible to fully prepare Sailors for what they will experience in real-world situations and to ensure their success and survival.

Testing and training activities conducted within the Study Area include the use of:

- ▶ Aircraft
- ▶ Vessels
- ▶ Targets
- ▶ Ordnance
- ▶ Electronic warfare
- ▶ Biodegradable polymer vessel stopping payloads
- ▶ Direct energy systems/weapons
- ▶ Laser systems/weapons
- ▶ Radar and microwave systems
- ▶ Electromagnetic railgun/systems/weapons
- ▶ Unmanned systems



The Navy must test and train with new technologies to defend the United States and its interests. The offshore areas of Southern California are critical testing and training areas for the Navy.

