

**DATA CALL 1: GENERAL INSTALLATION INFORMATION**

1. **ACTIVITY:** Follow example as provided in the table below (*delete the examples when providing your input*). If any of the questions have multiple responses, please provide all. If any of the information requested is subject to change between now and the end of Fiscal Year (FY) 1995 due to known redesignations, realignments/closures or other action, provide current and projected data and so annotate.

° Name

Official name	NAVAL AIR WARFARE CENTER WEAPONS DIVISION, POINT MUGU, CA
Acronym(s) used in correspondence	NAWCWPNS POINT MUGU, NAVAIRWARCENWPNDIV, POINT MUGU
Commonly accepted short title(s)	NAWCWPNS, POINT MUGU

° Complete Mailing Address

COMMANDER  
CODE OF RECIPIENT  
NAVAIRWARCENWPNDIV  
521 9TH STREET  
POINT MUGU, CA 93042-5001

° PLAD

NAVAIRWARCENWPNDIV POINT MUGU CA

° PRIMARY UIC: 63126 (Plant Account UIC for Plant Account Holders)  
Enter this number as the Activity identifier at the top of each Data Call response page.

° ALL OTHER UIC(s):      68936                      PURPOSE: NAWCWPNS  
                                 49145    Pt Mugu Non-DBOF  
                                 0429A    NAWs  
                                 49146    NAWs DBOF

2. PLANT ACCOUNT HOLDER:

° Yes   X                        No                             (check one)

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3. **ACTIVITY TYPE:** Choose most appropriate type that describes your activity and completely answer all questions.

° **HOST COMMAND:** A host command is an activity that provides facilities for its own functions and the functions of other (tenant) activities. A host has accountability for Class 1 (land), and/or Class 2 (buildings, structures, and utilities) property, regardless of occupancy. It can also be a tenant at other host activities.

· Yes  No  (check one)

° **TENANT COMMAND:** A tenant command is an activity or unit that occupies facilities for which another activity (i.e., the host) has accountability. A tenant may have several hosts, although one is usually designated its primary host. If answer is "Yes," provide best known information for your primary host only.

· Yes  No  (check one)

· Primary Host (current) UIC:

· Primary Host (as of 01 Oct 1995) UIC:

· Primary Host (as of 01 Oct 2001) UIC:

° **INDEPENDENT ACTIVITY:** For the purposes of this Data Call, this is the "catch-all" designator, and is defined as any activity not previously identified as a host or a tenant. The activity may occupy owned or leased space. Government Owned/Contractor Operated facilities should be included in this designation if not covered elsewhere.

· Yes  No  (check one)

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4. SPECIAL AREAS: List all Special Areas. Special Areas are defined as Class 1/Class 2 property for which your command has responsibility that is not located on or contiguous to main complex.

Name	Location	UIC
CAMARILLO AIRPORT (LEASED PROPERTY)	FIVE MILES NORTH OF MAIN BASE WITH FACILITIES FOR THE IN-SERVICE ENGINEERING DEPARTMENT.	63126
CAPEHART HOUSING 3 (CATALINA HEIGHTS)	FAMILY HOUSING WITH 9 OFFICER UNITS AND 306 ENLISTED UNITS IN THE CITY OF CAMARILLO, APPROXIMATELY 10 MILES NORTHEAST OF THE MAIN BASE.	63126
LAGUNA PEAK	TWO MILES EAST OF THE MAIN BASE ON TOP OF LAGUNA PEAK (1567-FOOT ELEVATION); FULLY INSTRUMENTED FOR SEA RANGE TRACKING AND CONTROL.	63126
PORT HUENEME	FACILITIES FOR SUPPORT OF SURFACE CRAFT AND SURFACE TARGETS, INCLUDING 50-FOOT BERTHING PIER AT THE PORT HUENEME NAVAL COMPLEX (NAVAL CONSTRUCTION BATTALION CENTER) 5 MILES NORTHWEST OF MAIN BASE.	63126
PRINCE ISLAND	1/4 MILE NORTH OF SAN MIGUEL ISLAND; USED AS LAND BACKGROUND FOR WEAPONS TESTING ON SEA TEST RANGE.	63126
SAN NICOLAS ISLAND	SOUTHWEST OF THE POINT MUGU MAIN BASE COMPLEX, APPROXIMATELY 60 MILES OFFSHORE; FULLY INSTRUMENTED T&E SITE WITH 10,000-FOOT RUNWAY.	63126
SANTA CRUZ ISLAND	WEST OF POINT MUGU MAIN BASE COMPLEX, APPROXIMATELY 25 MILES OFFSHORE; USED AS A LAND BACKGROUND FOR WEAPONS TESTING ON SEA TEST RANGE.	63126
SAN MIGUEL ISLAND	WEST OF MAIN BASE 70 MILES; USED AS LAND BACKGROUND FOR WEAPONS TESTING ON SEA RANGE.	63126

NOTE: Not classified as a NAVFAC-defined special area, the Sea Test Range is 36,000 square miles extending southwesterly from the Point Mugu main base approximately 125 miles, and measures approximately 250 miles northwest to southeast. Encompasses San Nicolas, Santa Cruz, Santa Rosa, San Miguel, San Clemente, and Prince Islands. In addition, the airspace above the Sea Test Range is controlled by NAWCWPNS Point Mugu. Commercial aircraft transiting this area are controlled via joint coordination of NAWCWPNS and the Federal Aviation Administration.

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5. DETACHMENTS: If your activity has detachments at other locations, please list them in the table below.

Name	UIC	Location	Host name	Host UIC
FALLBROOK DETACHMENT	480567	FALLBROOK, CA	NAVAL WEAPONS STATION SEAL BEACH FALLBROOK ANNEX	00396
GUAM DETACHMENT	48059	GUAM	NAVAL STATION, GUAM	61755
NAVREP LA	42597	LOS ANGELES, CA	FEDERAL AVIATION ADMINISTRATION	N/A
YORKTOWN DETACHMENT	48056	YORKTOWN, VA	NAVAL WEAPONS STATION YORKTOWN, VA	00109

The above "Detachments" are listed as those formally established in accordance with OPNAV INST 5450.169D. In addition, the Point Mugu site of the Weapons Division has employees whose permanent duty stations are other than Point Mugu, but are not officially identified to "Detachments." These employees carry the Point Mugu 63126 UIC. Their duty stations are as follows.

Beaufort, South Carolina  
 Brunswick, Maine  
 Camp Pendleton, California  
 Cecil Field, Florida  
 Cherry Point, North Carolina  
 China Lake, California  
 Dallas, Texas  
 Eglin AFB, Florida  
 El Toro, California  
 Fort Huachuca, Arizona  
 Futenma, Japan  
 Iwakuni, Japan  
 Jacksonville, Florida  
 Jacksonville, North Carolina  
 Kaneohe, Hawaii  
 Kauai Island, Hawaii  
 Lemoore, California  
 Miramar Naval Air Station, California  
 North Island Naval Air Station, California  
 Norfolk, Virginia  
 Okinawa Island, Japan  
 Sigonella, Sicily, Italy  
 Spokane, Washington  
 Virginia Beach, Virginia  
 Whidbey Island, NAS, Washington  
 White Sands, New Mexico  
 Yuma, Arizona

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6. BRAC IMPACT: Were you affected by previous Base Closure and Realignment decisions (BRAC-88, -91, and/or -93)? If so, please provide a brief narrative.

#### **BRAC-88 (BRAC I) UPDATES**

BRAC-88 had no impact on the Point Mugu site.

#### **BRAC-91 (BRAC II) UPDATE**

a. As a result of BRAC-91, the NAWCWPNS Division stood up on 1 January 1992 combining Naval Weapons Center (NWC), China Lake; Pacific Missile Test Center (PMTTC), Point Mugu; and NWEF Albuquerque, and NOMTS White Sands into a single command. NAS Point Mugu was renamed NAWC Point Mugu, and NAWC China Lake was established to perform basekeeper functions for NAWCWD China Lake. Over the past 2 years, continuous organizational consolidations have been ongoing to eliminate duplication of functions and reduce overhead infrastructures. In accordance with BRAC 91 NAWC Weapons Division closed NWEF Albuquerque and in accordance with BRAC 93 established a detachment on 4 June 1993, and realigned NOMTS to a detachment of the Weapons Division on 12 May 1992.

b. BRAC-91 identified the closure of the Naval Air Development Center, Warminster, PA. As a result, the following Airborne Targets functions are transitioning to the Naval Air Warfare Center Weapons Division:

1. Systems Engineering
2. Development Support
3. Technical Support
4. Production Engineering Support
5. Acquisition Support

The planned transfer of the above actions consists of an end strength of 21 civilian positions. The targets organization has recommended and received approval to accelerate this schedule. Thirteen end strength transferred in FY 93, and an additional eight will complete the transfer in FY 94.

c. The Reliability Division, Point Mugu, was previously consolidated into the Engineering Department, China Lake in FY 92. Now, the Engineering Department at China Lake and the In-Service Engineering Department at Point Mugu are in the process of being combined to eliminate duplications of effort in the areas of engineering, logistics, product support, and technical data. We expect this consolidation to be approved and initiated in February 1994. This is all part of the BRAC-91 concept for consolidation.

d. While not specifically a BRAC action, it should be noted that the Pacific Missile Range Facility (PMRF), Hawaiian Area, formerly part of the NAWCWPNS organization, was transferred to the Commander in Chief, U. S. Pacific Fleet effective 1 October 1992. This action was affected by OPNAVNOTE 5450 09B22/2U51079 dated 1 December 1992.

#### **BRAC-93 (BRAC III) UPDATE**

a. The BRAC-93 decision to close Mare Island Naval Shipyard eliminated storage facilities for NAWCWPNS target ships. As a result, seven target ships located at Mare Island are being relocated to Bremerton, WA. Each operation requiring the use of one of these ships requires

additional time and cost (approximately \$80,000 per operation) in moving a target ship from Bremerton to the Sea Test Range and return, rather than from Mare Is and and return.

b. As a result of BRAC-93, DISA was to consolidate major DOD data-processing facilities and personnel under its command. BRAC-93 incorrectly identified 23 government positions at the Point Mugu data-processing facility. The Unisys data-processing facility at Point Mugu has no government positions at this time. The Unisys data-processing facility at Point Mugu originally consisted of two Unisys 1170 series mainframes. In 1992, one of these mainframes was excessed and the financial system that was running on it was rehosted to the China Lake site. The number of government employees at the Point Mugu data-processing center continued to decrease. After one mainframe was excessed and the financial system data processing was transferred to China Lake, the number of government positions was reduced to a total of two. The workload on the remaining mainframe computer is now being transferred to the China Lake data-processing center, and operations are being performed entirely by contractors. It is anticipated that by May 1994, the last mainframe at the Point Mugu data-processing center will be excessed and the data-processing center will be closed. The workload that is being transferred to the China Lake site will be accommodated without any increase in government positions. Thus, NAWCWPNS Point Mugu will not have its Unisys data-processing facility and thus will not have any facility or government positions to transfer to DISA.

7. **MISSION:** Do not simply report the standard mission statement. Instead, describe important functions in a bulletized format. Include anticipated mission changes and brief narrative explanation of change; also indicate if any current/projected mission changes are a result of previous BRAC-88, -91, -93 action(s).

### **NAVAL AIR WARFARE CENTER WEAPONS DIVISION OVERVIEW UIC 68936**

NAWCWPNS as a total entity represents the work of more than 8,000 civilian employees and 1,300 military personnel. It is the Navy's primary sector of scientific and technical knowledge for air warfare systems, guided missiles, and electronic warfare (EW). Its two primary sites, China Lake and Point Mugu, integrate DOD's largest and most completely instrumented land and sea test ranges. Existence at China Lake of DOD's largest weapons research and development (R&D) laboratory in immediate proximity to the land test range has repeatedly been shown to be of great significance in furthering the air weapons development function. NAWCWPNS China Lake has played a major role in the development of nearly all of the Navy's air weapons and tactical guided missiles over the past 50 years, and has similarly made substantial contributions to many Air Force and Army systems. NAWCWPNS Point Mugu's role as the Navy's primary weapons test and evaluation (T&E) site and air weapons in-service engineering support site complements the NAWCWPNS China Lake R&D role. China Lake's 1.1 million acres of land area and 17,000 square miles of military restricted use (R-2508) airspace complement Point Mugu's 36,000 square miles of sea test range with overlying airspace, the neighboring deep draft port facilities at Port Hueneme, and the offshore airfield and test instrumentation at San Nicolas Island.

The large workforce with across-the-board technical skills in full life-cycle air weapon system development and support—together with the geographic expanse, many unique R&D and T&E facilities, and instrumented ranges and massive equipment investment—assure the ability to carry out the current mission and to expand the mission if required. In fact NAWCWPNS is currently performing approximately one-third of its weapons programs as joint service applications.

NAWCWPNS is a truly integrated structure. Many organizational entities are spread across multiple sites. For example, the aircraft weapon systems programs at China Lake and Point Mugu sites have been consolidated into a single organization as well as the engineering and in-service engineering, targets, and threat simulations and most base support functions. Additionally, this integration has resulted in the Naval Western Test Range Complex, which is composed of the Point Mugu sea range and test facilities combined with the land ranges and test facilities at China Lake and White Sands. The Complex provides complementary, full-spectrum test capability for weapon systems and aircraft. Organizational benefits and manpower and cost savings of the NAWCWPNS integration will continue to evolve for years to come.

NAWCWPNS has dealt effectively with environmental and encroachment issues, meeting its responsibilities for environmental cleanup. There are no serious issues that adversely affect current mission accomplishment—nor are serious issues anticipated in the foreseeable future. All NAWCWPNS sites are in areas that offer quality living conditions, such that attracting and retaining quality employees has not been a problem.

**MISSION:** NAWCWPNS conducts research, design, development, test and evaluation, and in-service engineering of

- Air weapons and associated aircraft systems for strike, antisurface warfare (ASUW), and anti-air warfare (AAW) aircraft
- Tactical missiles for any naval platform

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- Aerial and surface targets
- Electronic combat systems and electronic devices for airborne electronic warfare

Additionally, the Division

- Operates, maintains, and improves DOD's Major Range Test Facilities Base (MRTFB) Naval Western Test Range Complex (NWTRC) air, land, and sea test ranges for weapons and weapon systems testing, evaluation, and training for other Services as well as for the Fleet
- Ensures continued promotion and maintenance of fundamental research and the technology base to support the above mission areas
- Provides in-service engineering for all Services
- Conducts studies of naval warfare systems for strike, ASUW, AAW, and other warfare areas
- Provides production improvement support for air weapons systems and tactical missiles for all Services
- Provides support to Navy nuclear weapons programs
- Conducts independent developmental test and evaluation
- Provides support for operational test and evaluation
- Provides launch facilities for land-based testing of shipboard missiles
- Participates in the operation of the tri-service high-energy laser-directed energy system
- Serves as the launch agent for suborbital space systems and research rockets and is the Navy agent in the operation of the White Sands Missile Range

NAWC Weapons Division leadership areas include

- Missile/missile subsystems R&D and in-service engineering
- Missile signature, active and passive
- Free-fall/unguided weapons R&D and in-service engineering
- Combat and combat control systems R&D
- Weapons modeling and analysis
- Airborne weapons T&E
- Weapon systems integration
- Air/sea range

- Aircraft/missile survivability/vulnerability testing
- Aircraft armament systems/equipment
- Parachute systems/components
- Targets and simulators for air-launched systems
- Air/land, radar cross section, electronic warfare ranges
- Aerial target/threat simulator development
- Aircraft electronic warfare R&D and in-service engineering

## ACTIVITY

Naval Air Warfare Center Weapons Division—Point Mugu

## UIC

63126

## MISSION OVERVIEW

NAWCWPNS Point Mugu represents the work of almost 4,000 civilian employees and 800 military personnel. It is one of the Navy's primary sectors of scientific and technical knowledge for air warfare systems, guided missiles, and electronic warfare (EW). As one of NAWCWPNS Divisions's two primary sites, Point Mugu integrates one of DOD's largest and most completely instrumented sea test ranges. Existence at Point Mugu of several weapons laboratories in immediate proximity to the sea test range has repeatedly been shown to be of great significance in furthering the air weapons development function. NAWCWPNS Point Mugu has played a major role in the T&E of nearly all of the Navy's air weapons and tactical guided missiles over the past 47 years, and has similarly made substantial contributions to many Air Force and Army systems. NAWCWPNS Point Mugu's role as the Navy's primary weapons test and evaluation (T&E) site and air weapons in-service engineering support site complements the NAWCWPNS China Lake R&D role. China Lake's 1.1 million acres of land area and 17,000 square miles of military restricted use (R-2508) airspace complement Point Mugu's 36,000 square miles of sea test range with overlying airspace, the neighboring deep draft port facilities at Port Hueneme, and the offshore airfield and test instrumentation at San Nicolas Island.

The detachments at Guam, Yorktown, and Fallbrook provide on-site representation and technical support to assure rapid resolution of maintenance procedure discrepancies. The NAVREPLA detachment is the Navy liaison to the Federal Aviation Administration for all airspace for Western Pacific, Northwest Mountain Region, and Alaskan Region. The Fleet Assistance Support Team (FAST) detachment at Point Mugu provides user training, flight training, and technical expertise for unmanned air vehicle programs.

Figure 1 provides geographical location and land/airspace depiction of the NAWCWPNS Division sites as well as the proximity of other key military bases, which enhances the joint Service use of the NAWCWPNS ranges and unique facilities.

The large workforce with across-the-board technical skills in full life-cycle air weapon system development and support—together with the geographic expanse, many unique R&D and T&E

facilities, and instrumented range and massive equipment investment—assure the ability to carry out the current mission and to expand the mission if required. In fact, NAWCWPNS is currently performing approximately one-third of its weapons programs as joint service applications.

The Point Mugu sea range and overlying airspace is shown in Figure 2 along with the proximity to the China Lake land ranges and the accompanying R-2508 airspace. The sea range and airspace are extensively used by all the military Services and also by our foreign allies, as well as private contractors and academic institutions, for RDT&E and training operations.

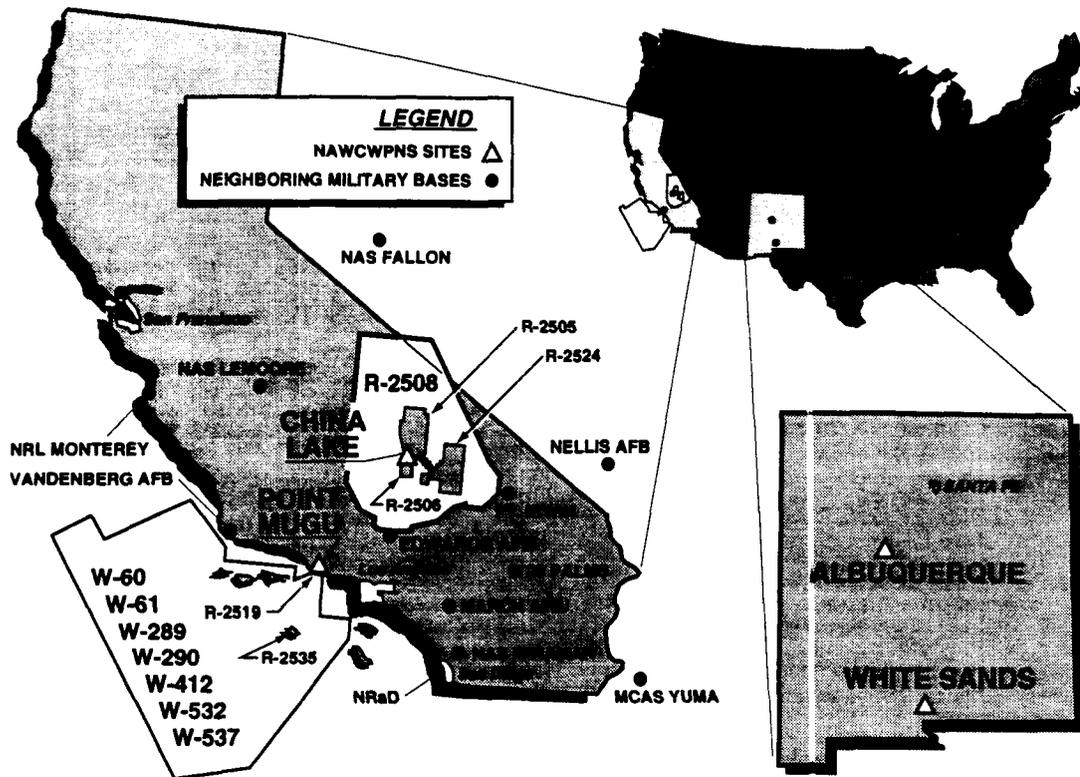


FIGURE 1. NAWCWPNS Site Locations.

NAWCWPNS Point Mugu has dealt effectively with environmental and encroachment issues, meeting its responsibilities for environmental cleanup. There are no serious issues that adversely affect current mission accomplishment—nor are serious issues anticipated in the foreseeable future. NAWCWPNS Point Mugu offers quality living conditions, such that attracting and retaining quality employees has not been a problem.

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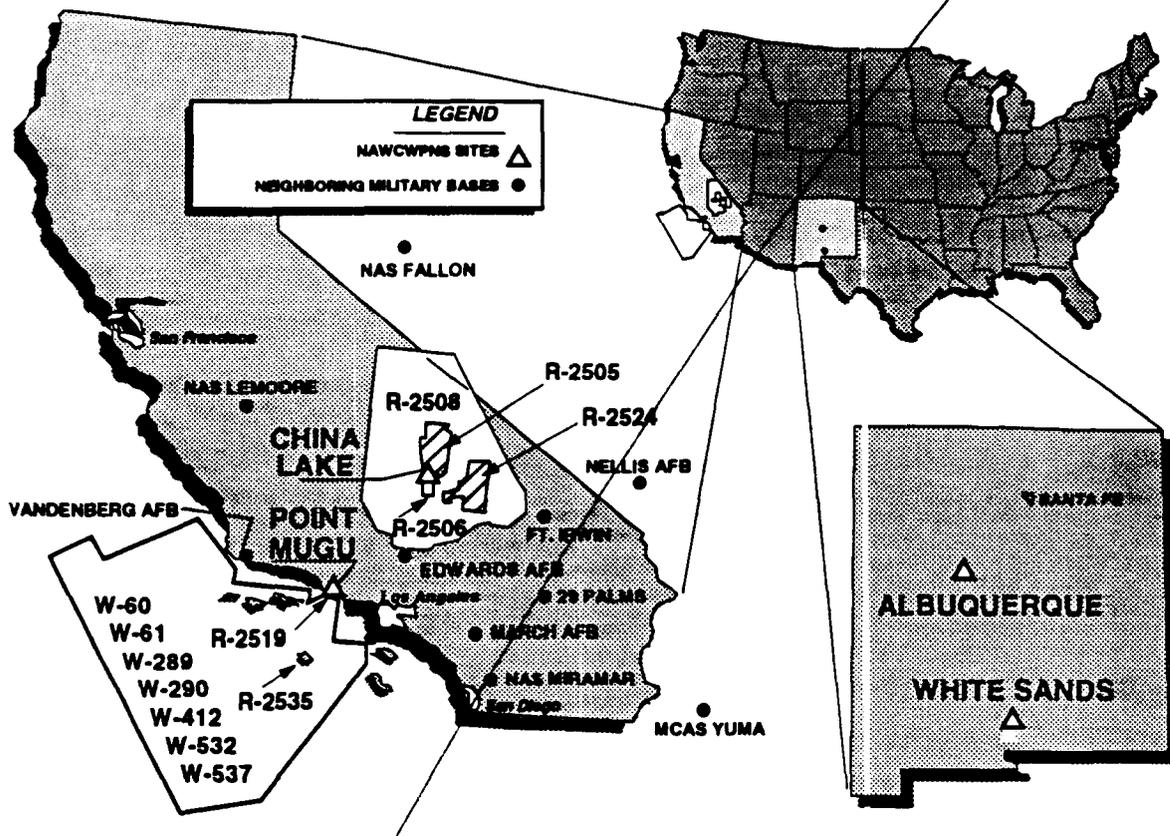


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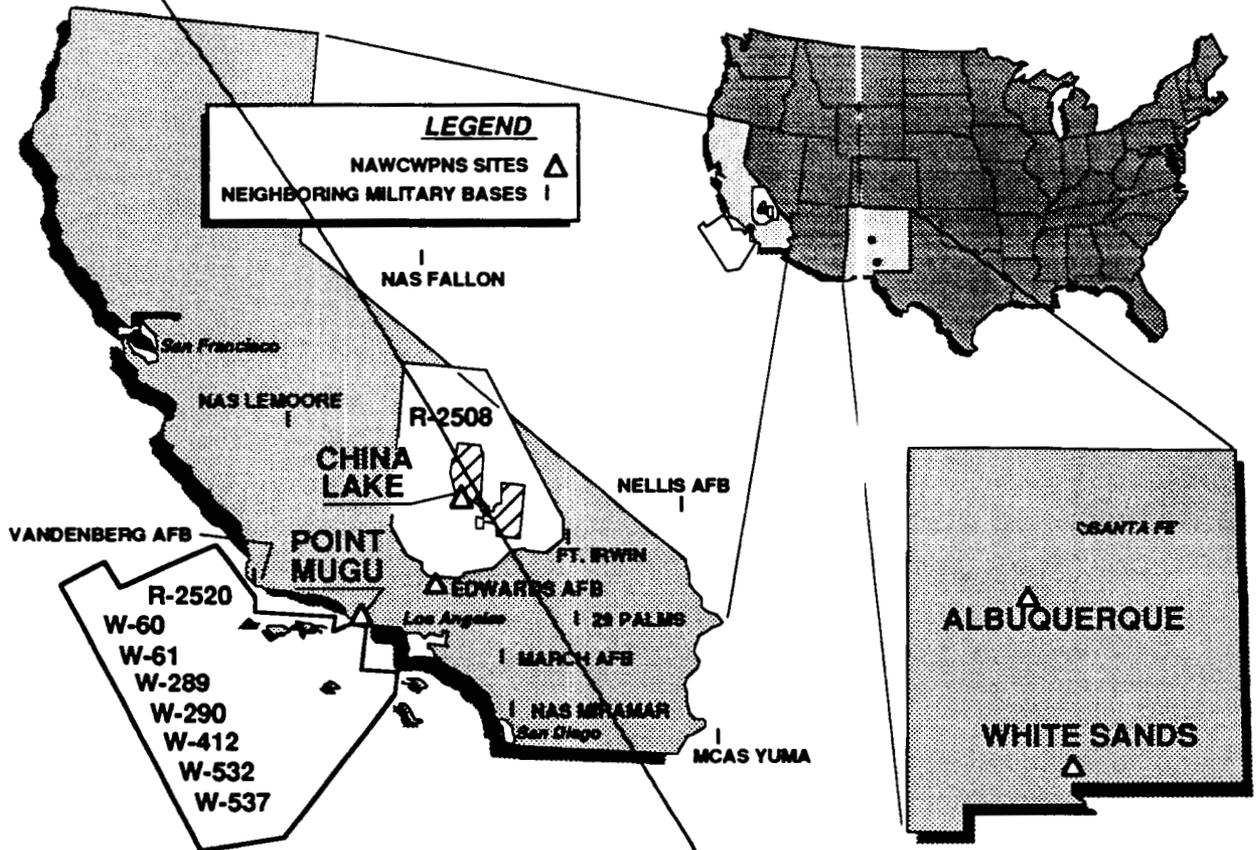


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Revised fig

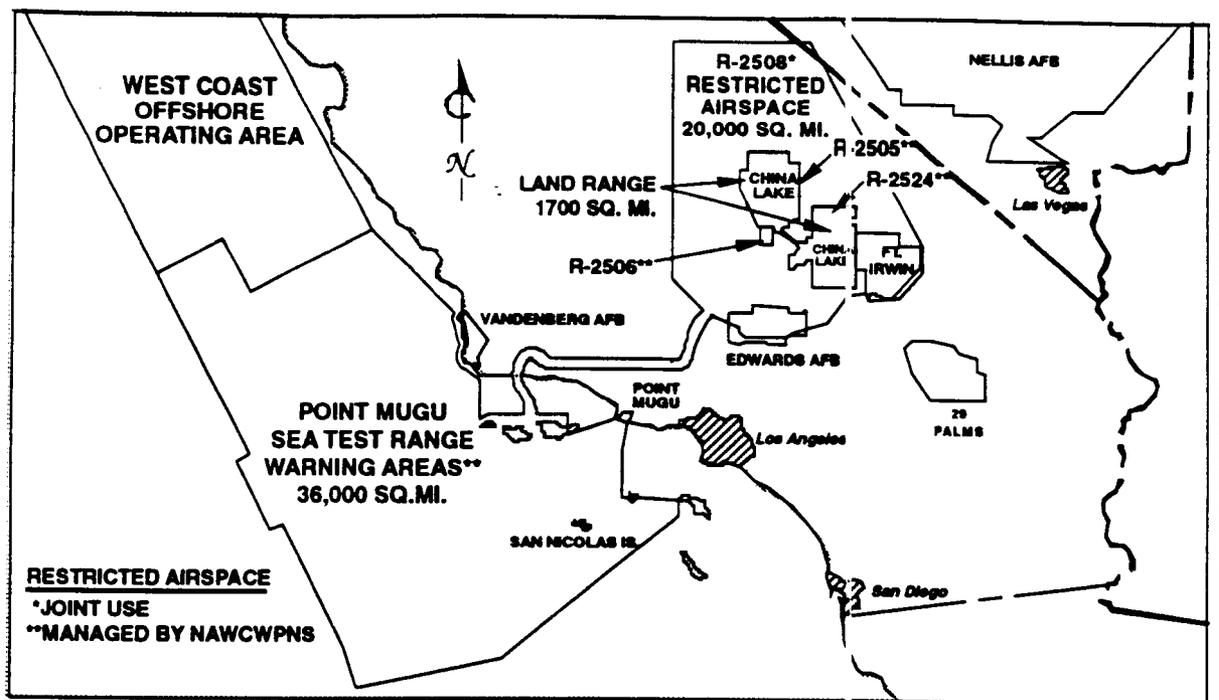


FIGURE 2. NAWCWPNS Air/Land/Sea Ranges.

## CURRENT MISSION

As one of two primary sites of NAWCWPNS, Point Mugu performs research, development, test, and evaluation (RDT&E) and in-service engineering for

- Weapon systems development support, test, and evaluation
- Weapon systems in-service engineering and logistics support
- Aircraft systems/weapons integration and software support
- Range operations, including air-to-air, air-to-surface, surface-to-air, underwater, ballistic/strategic, mines/bombs/gunnery, electronic warfare
- Test and evaluation and fleet training operations
- Range systems development and support
- Threat simulator (targets and EW simulators) test and evaluation, development, systems/design engineering, logistics support, and operations
- Airfield operations/base support for RDT&E efforts and tenant commands
- Common tactical air mission planning system

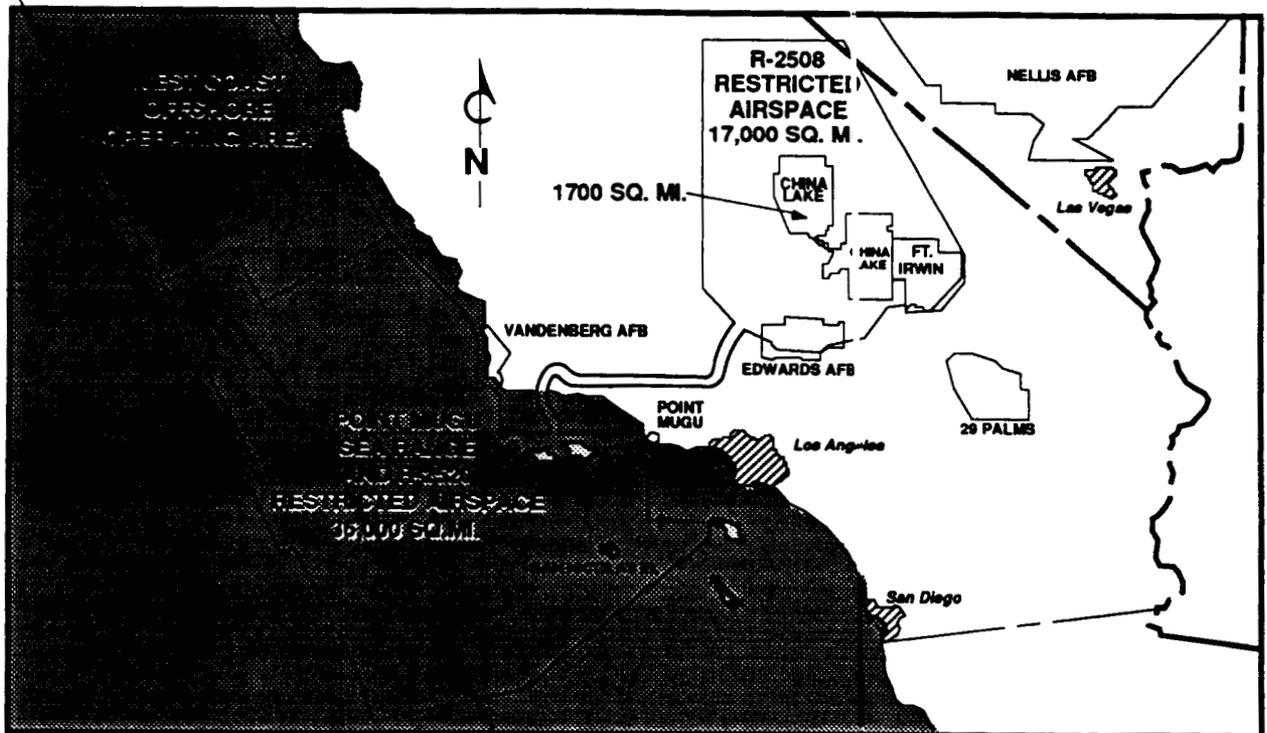


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- Test and evaluation and fleet training operations
- Range systems development and support
- Threat simulator (targets and EW simulators) test and evaluation, development, systems/design engineering, logistics support, and operations
- Airfield operations/base support for RDT&E efforts and tenant commands
- Common tactical air mission planning system

- Quick reaction to fleet requirements (engineering technical services located throughout the world)

Additionally, NAWCWPNS Point Mugu

- Operates, maintains, and improves DOD's Major Range Test Facilities Base (MRTFB) as the air/sea range part of the Naval Western Test Range Complex (NWTRC) for weapons and weapon systems testing, evaluation, and training for other Services as well as for the Fleet
- Provides production improvement support for air weapons systems and tactical missiles for all Services
- Conducts independent developmental test and evaluation
- Provides support for operational test and evaluation
- Provides launch facilities for land-based testing of shipboard missiles

NAWCWPNS Point Mugu leadership areas include

- Missile/missile subsystems T&E and in-service engineering
- Missile signature, active and passive
- Free-fall/unguided weapons T&E and in-service engineering
- Weapons modeling and analysis
- Airborne weapons T&E
- Weapon systems integration
- Air/sea range
- Aircraft armament systems/equipment
- Targets and simulators for air-launched systems
- Aerial target/threat simulator development
- Aircraft electronic warfare R&D and in-service engineering

**ACTIVITY**

Yorktown, Guam, and Fallbrook

**UIC**

48056, 48059, and 480567

The following mission statements apply to all the above Detachments.

**CURRENT MISSION**

To act as the in-service engineering agent with full authority to authorize waivers, deviations and rework procedures for airborne weapons. To provide on-site representation and technical support to assure rapid resolution of maintenance procedures discrepancies.

**ACTIVITY**

NAVREPLA—Los Angeles, CA

**UIC**

42597

**CURRENT MISSION**

One-person detachment. Navy liaison to the Federal Aviation Administration for all airspace for the Western Pacific, Northwest Mountain Region, and Alaskan Region.

**ACTIVITY**

UAV FAST Team—Point Mugu, CA

**UIC**

47969

**CURRENT MISSION**

Provide user training, flight training, and technical expertise for the Pointer Hand launched, very low-cost UAV program, and testing of all hardware and software upgrades of Pioneer Short Range RPV.

**ACTIVITY**

Naval Air Weapons Station (NAWS)—Point Mugu, CA

**UIC**

0429A - Point Mugu, CA

**CURRENT MISSION**

The mission of the NAWS is to provide, operate, and maintain base support services, including airfield facilities (Category B Runway), for the NAWCWPNS organizations, tenants, and transient units sited on a temporary and/or permanent basis, at Point Mugu, CA. The NAWS Point Mugu is a subordinate command to NAWCWPNS.

**PROJECTED MISSIONS FOR FY 2001**

The Point Mugu site has a 47-year historical mission of providing space, facilities, instrumentation, and technological expertise for conducting weapon system test and evaluation. Its uniqueness is derived from the ideal combination of geographical features, i.e., the coastal site in a relatively undeveloped area, contiguous mountain peak, offshore islands for extended-range instrumentation, and virtually unlimited ocean area with controlled air and sea space. While the principal thrust of the mission is dedicated to test and evaluation, the nature and combination of specialized laboratories, airfield, the threat simulation facilities with the Sea Test Range lend themselves to a variety of life cycle support functions for naval aviation and Fleet training. Many of the facilities are unique because of specialized technological features or dedication to specific platforms and weapons. Contingent upon decisions from BRAC-95, the projected missions for the Point Mugu site of the Weapons Division for FY 2001 include:

- Joint weapons systems development testing
- Weapons systems interoperability testing
- Real-time interaction of simulation/full-scale testing
- Range internetting
- Western Test Range Complex
- Advanced Cruise Missile Testing
- Synthetic Theater of War (STOW) and maritime STOW test and training exercises
- Advanced interoperability testing and training
- Life cycle logistics support for tri-service weapons, weapon systems, and support equipment
- Additional support to DOD initiatives such as Theater Missile Defense
- Joint operations involving littoral warfare

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8. **UNIQUE MISSIONS:** Describe any missions which are unique or relatively unique to the activity. Include information on projected changes. Indicate if your command has any National Command Authority or classified mission responsibilities.

### **CLASSIFIED MISSION RESPONSIBILITIES**

NAWCWPNS Point Mugu provides research, development, test, and evaluation (RDT&E) for projects involving highly classified technology. These projects are composed of various tasks involving all directorates at Point Mugu. The site offers a unique capability to test such systems in a sea environment, providing test results in real-life conditions.

The number and size of these programs at Point Mugu have steadily increased over the past several years as a result of the successful test and evaluation of these highly classified systems.

The specific major technical roles performed at the Point Mugu site are:

- **Special Projects Security Support:** Includes development and enforcement of operational security procedures, physical security, personnel security, test and evaluation security support.
- **Special Projects RDT&E:** Includes test planning, operation execution, material acquisition, test site preparation, data collection, real-time data analysis, post-operational data analysis, laboratory, simulation, and flight tests.

NAWCWPNS Point Mugu currently has 19 facilities in which Special Projects are supported. These facilities were designed to meet Defense Intelligence Agency Memorandum (DIAM) 50-3 security requirements. These include engineering laboratories, classified storage facilities, ordnance assembly buildings, secure hangars, secure data reduction and analysis facilities, and computer facilities. Some of these facilities are specially designed and constructed to meet strict TEMPEST requirements. Radar cross-section laboratories and chambers are utilized for Special Projects.

In addition, non-dedicated temporary secure working areas have been established, including test control rooms, telemetry processing and display areas, and data reduction and analysis facilities.

In order to support classified Special Projects data reduction and analysis, NAWCWPNS Point Mugu has several VAX computers and computer work stations that are specially configured to process highly classified data in accordance with all relevant regulations. These stand-alone computer systems are completely dedicated to Special Projects.

In addition, unique telemetry processing equipment, computers, and facilities are approved on a non-dedicated basis for Special Projects use. Missile testing laboratories are equipped with special missile test equipment which is utilized by Special Projects.

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**CURRENT UNIQUE MISSIONS****Sea Test Range Test and Training Capabilities:**

- Complex multi-participant, multiple warfare area operations
- Sea and air-launched cruise weapons testing
- Ballistic missile operations support
- Intercontinental ballistic missile (ICBM) and Polar-orbit satellite launch operations support
- Sea-environment special-access program support
- Classified target development and testing
- Joint engagement zone scenarios
- Simulated regional conflict operations
- Multiple participant live-fire exercises
- Theater missile defense
- Radar cross-section measurement of sea and air platforms
- Worldwide transportable sea range test capability

The Sea Test Range at Point Mugu is DOD's largest and most heavily instrumented sea/air range, encompassing 36,000 square nautical miles of controlled airspace. This range has the unique feature of geographic location combined with a highly instrumented coastal region and offshore islands. Point Mugu's Sea Test Range has the capability of providing and supporting true at-sea and littoral scenarios. Facilities, which are located at Point Mugu, Laguna Peak, and on the outlying island of San Nicolas, Santa Cruz, Santa Rosa, San Miguel, San Clemente, and Prince Islands as well as up the coast to Tassajera Peak and as far south as San Diego, provide capability for precision metric track of up to 50 objects, target control for up to 10 airborne and surface targets, and telemetry for up to 20 sources. The Point Mugu site offers the advantage of laboratories co-located with operational air and sea test range capabilities. The combination of location, extensive instrumentation capacity, over-the-horizon command and control, unique test capabilities, and a highly skilled, experienced technical work force provides a realistic sea/air environment for conducting large, integrated joint test and evaluation and training exercises with integrated subsurface, surface, and air coverage. Finally, Laguna Peak supports command and destruct capabilities for ICBM and Polar satellite launches.

SNI (San Nicolas Island) is one of the cornerstones in the Sea Test Range capabilities because of its land mass and depth of surrounding waters. It allows the unique replication of some high-threat areas around the world. Furthermore, because of its remoteness and secured environment, multiple special-access programs can be conducted. SNI is heavily instrumented with telemetry and communications necessary to support testing and fleet training and theater missile defense exercises. Finally, because of its isolated environment and shoreline characteristics, SNI is ideal for providing littoral warfare training exercises, including tri-service and theater warfare exercises. SNI provides unique instrumentation capabilities required to support Polar satellite launches from Vandenberg Air Force Base.

Santa Cruz Island, located approximately 25 nautical miles west of Point Mugu is another unique instrumented island used for telemetry data collection, secure VHF/ultra-high frequency (UHF) radio communications and data transmission, including microwave relay to/from San Nicolas Island and Vandenberg AFB, and surveillance radar coverage of the inner Sea Test Range. Also located on the island is our Santa Cruz Acoustic Range Facility (SCARF), which is a unique underwater test capability used to measure acoustic characteristics of underwater weapons systems, and the Santa Cruz Radar Imaging Facility (SCRIF), which uses surface surveillance radar to track and collect radar cross-section (RCS) data on test ships up to 20 miles off the coast.

Laguna Peak is located 1567 feet above the eastern corner of the Point Mugu complex and provides an elevated line-of-sight for extended transmitter capability for flight control of guided missiles and pilotless aircraft and command control/command destruct of test and ballistic missiles launched from Vandenberg AFB. In addition, Laguna Peak is instrumented for metric and surveillance radars, telemetry reception, optics, UHF/VHF (including mobile) communications, and radar frequency retransmission of range data.

**Direct Access to Sea Test Range:** The Port Hueneme deep water harbor is located 60 miles north of Los Angeles/Long Beach Harbor and provides direct access to the NAWCWPNS Sea Test Range. While handling a moderate amount of commercial cargo traffic, a significant amount of the harbor is dedicated to Navy and Military Sealift Command use as it provides the only available deep water harbor for military use between San Diego and Puget Sound. Port Hueneme, by virtue of its location, provides for efficient and cost-effective deployment of a variety of surface targets in support of weapon system test and evaluation as well as for fleet training. The harbor geography allows for utilization of all surface threats from small, remote-controlled fiberglass vessels, tow targets, DD-class target ships, as well as the next-generation Mobile Ship Target. Adjacent docks, piers and buildings allow for all major target conversion, modifications, and repairs, apart from scheduled large ship dry-docking, to be completed on the Navy's facilities. Direct land access to NAWCWPNS Point Mugu allows for efficient utilization of organic technical expertise required in the multi-disciplinary nature of test and evaluation.

**Threat Simulation:** The Navy's single facility which can provide full-spectrum services for all Navy aerial and surface targets, target auxiliary/augmentation systems and support systems. That service includes development, test, operations, life cycle systems engineering and logistics support, cognizant field activity service, training and field service support, and worldwide operational deployment services for Navy, inter-service, and foreign military sales support. The operational services provided on site at the Sea Test Range include the largest and most varied inventory of target services available for Fleet and test and evaluation users. Several EW Threat Simulator Development Laboratories support test operations by providing threat systems for DOD users. The Threat Simulation Support Facilities occupy 121,000 square feet for target development, engineering maintenance, and operational support for full-scale and sub-scale aerial targets and EW threat simulators.

**Seeker Laboratory Capability:** A Seeker Laboratory is sited 50 feet from the Pacific Ocean shoreline at 27 feet above sea level, allowing unobstructed field-of-view and testing against real targets and both passive and active countermeasures. This laboratory provides completely instrumented systems to capture both electrical and visual test conditions and data.

**Bistatic Radar Cross-Section Measurement:** The Bistatic Chamber supports tri-service organizations as well as numerous DOD contractors, NASA, and various research organizations. The Bistatic Chamber is a secure, dedicated, all-weather facility with a very quiet background that permits near- and far-field monostatic and bistatic RCS measurements. The chamber is 150 feet X 150 feet X 60 feet with a quiet zone designed to accommodate targets/test articles up to 30 feet in length. The geometry of the chamber is designed to support the full range

of bistatic angles from 0 to 180 degrees with signature measurements ranging from VHF to millimeter-wave frequencies. The Bistatic Chamber became operational in early 1992 and is the only existing indoor facility performing monostatic and bistatic RCS measurements on full-scale missiles.

**Unique Bistatic Chamber Capabilities:**

- Joint service tests involving near- and far-field monostatic and bistatic RCS measurements of full-scale missiles and other targets up to 30 feet in length
- RCS measurements used to support:
  - High-resolution radar images
  - Wide-band radar signatures (RCS, glint, Doppler)
  - Planning flight test operations
  - Engagement/encounter simulations
  - Survivability analysis
  - Development of low-observable vehicles
  - Production testing of low-observable vehicles
- Provide consultation and guidance on developing RCS technology to the Naval Postgraduate School, Air Force Institute of Technology, University of California, California State University, University of New Mexico, Georgia Tech Research Institute, and Sandia National Labs.

**Live Missile and Component Functional Testing Capability:** The Ready Missile Test Facility (RMTF) provides functional testing capability in a temperature-controlled environment, reproducing acoustic characteristics of aircraft vibration and boundary turbulence. RMTF is constructed on a man-made island in the Point Mugu Lagoon and is certified for testing weapons systems and components containing explosive-loaded warheads and motors.

**Climatic Testing Capability:** The Sea-Level Chamber (Climatic Chamber) provides extreme climatic testing of large and small aircraft, shelters, equipment, shipboard systems and weapons, tracked/wheeled ground-based vehicles and remote deployable systems, as well as human factors of operations at climatic extremes. The Sea-Level Chamber has a testing volume of nearly 100,000 cubic feet.

**Dynamic-Aerodynamic Loads Testing Capability** A facility is located at NAWCWPNS Point Mugu that provides dynamic-aerodynamic loads inertially to rocket motor and composite casings. Demonstrations of the structural integrity and fatigue life properties of captive stores are made from new composite materials. Composite materials durability and reliability investigations are conducted in this facility, and it is certified to test explosive-loaded rocket motors.

**Aircraft Weapon System Integration Capability:** The F-14 Weapon System Support Activity (WSSA) is used for the life cycle systems engineering support of all versions of the weapon system—F-14A, F-14B, F-14A/B Upgrade, F-14D and F-14 Block 1. The WSSA provides full life cycle support from conceptual studies through production and introduction of

tactical improvements to the operational forces. This support includes the design, development, test and evaluation of software, software and hardware integration, testing of tactical software and hardware and new initiative feasibility testing. It also includes EW systems integration, air-to-air and air-to-ground munitions integration and F-14 trainer support. The unique siting of the WSSA laboratory complex on the ocean front contiguous with the Point Mugu Sea Test Range allows for interactive laboratory/sea test range operations adding additional capability, versatility, and economics to support program requirements.

**EA-6B Aircraft System Software Support:** The EA-6B Laboratory is the only secure avionics ground laboratory version of an operational EA-6B aircraft in the DOD and consists of the ALQ-99 tactical jamming system (TJS) avionics threat environment generation resources, and associated control and data-collection processors. As the principal facility of the EA-6B System Software Support Activity (EA-6BSSA), it is utilized to develop, integrate, validate new or modified avionics systems with the ALQ-99 TJS and High-Speed Antiradiation Missile (HARM), and for the development and testing of changes to the EA-6B's operational flight software. This facility is currently utilized to support ICAP-2 Block 82 and Block 86 Fleet versions of the EA-6B Aircraft and the Tactical EA-6B Mission Planning System (TEAMS).

**Electronic Warfare Capability:** The Electronic Warfare Laboratories provide the Navy, Marine Corps, and Army EW systems development, testing and in-service engineering support facilities. This highly secure and shielded EW laboratory complex includes the Electronic Combat Simulation and Evaluation Laboratory (ECSEL) housing unique, one-of-the-kind hardware-in-the-loop simulations of naval terminal threats to aircraft and Soviet air defense command and control networks for EW systems development testing and countermeasures technique optimization; the U.S. Marine Corps Tactical Electronic Reconnaissance Processing and Evaluation Systems (TERPES) laboratory for EA-6B intelligence data fusion; EW/Radar Avionics Automatic Test Equipment and Software Development Laboratory to support the tri-service and Foreign Military Customer program requirements; and the Navy's tactical aircraft EW Systems Integration and Software Support Center (EWSSA), which provides extensive EW library reprogramming support directly to deployed operational units worldwide.

**Hardware-In-The-Loop (HIL) Missile Simulation:** The Point Mugu missile HIL laboratories are an integral part of weapon systems design, test, and evaluation for the Navy and Air Force. They provide technical assistance for acquisition, test, evaluation and acceptance of tactical missile systems, support fleet in-service problem resolution, and update weapon systems performance in electronic countermeasures environments. The Missile Systems Evaluation Laboratory has four HIL facilities dedicated for testing joint service missile weapon systems. The HIL chambers, measuring 65 feet X 50 feet X 40 feet, provide far-field missile seeker and guidance control system evaluations. The laboratories provide 6 degree-of-freedom missile flight simulations from launch through intercept. Multiple-threat representative target simulations, including glint and scintillation, are augmented by various electronic countermeasures and clutter. The dedicated HIL facilities have multiple target capability with target angular positions presented in two dimensions—azimuth and elevation. One laboratory is currently configured for multi-mode, infrared, and radar frequency missile seeker testing. To date, these HILs have maintained a leading edge in missile seeker evaluation technology and have supported Navy, Air Force, and DOD contractor test requirements.

**Unique HIL Capabilities:**

- HIL testing used to support:
  - Life-cycle test and evaluation

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- Pre-flight test planning
- Post-flight analysis
- Performance matrix testing
- Software verification and validation
- Dual-mode missile seeker testing
- Missile performance analysis against threat replicate electronic countermeasures

### **PROJECTED UNIQUE MISSIONS FOR FY 2001**

In addition to the current unique mission, the Sea Test Range will utilize its geographic assets including its highly instrumented offshore islands and coastline for the test and evaluation of individual weapons components up to and including complex theater defense warfare systems. In addition, the Sea Test Range will continue to increase its emphasis on increased internetting of ranges for multi-site, simulated, and live-fire operations in support of "From the Sea" concepts and sophisticated, Joint Services programs as well as other DOD, Federal agencies, foreign allies, and academia efforts. Emphasis will be on a vision of joint interoperability testing with focus on providing a full-service "Western Test Range Complex."

It is anticipated that the following missions will become unique missions at some DOD site. NAWCWPNS Point Mugu is currently supporting these areas and has the capability to absorb the missions as a DOD Regional Center:

- Expanded sea range test area
- Western Test Range Complex management and control
- Missile simulation laboratory testing
- Weapons system modeling and simulation
- Threat simulation
- Laboratory bistatic radar cross-section measurements

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10. PERSONNEL NUMBERS: Host activities are responsible for totaling the personnel numbers for all of their tenant commands, even if the tenant command has been asked to separately report the data. The tenant totals here should match the total tally for the tenant listing provided subsequently in this Data Call (see Tenant Activity list). (Civilian count shall include Appropriated Fund personnel only.)

	<u>On Board Count as of 01 January 1994</u>		
	Officers	Enlisted	Civilian
(Appropriated)			
° Reporting Command	<u>112</u>	<u>748</u>	<u>3716</u>
° Tenants (total)	<u>180*</u>	<u>1272*</u>	<u>232</u>

\* Marine Corps personnel assigned to the Point Mugu site of the Marine Aviation Detachment (MAD) are a part of the MAD headquartered at the China Lake site.

	<u>Authorized Positions as of 30 September 1994</u>		
	Officers	Enlisted	Civilian
(Appropriated)			
° Reporting Command	<u>116</u>	<u>634</u>	<u>3683*</u>
° Tenants (total)	<u>192</u>	<u>1264</u>	<u>276</u>

\* Civilian endstrength numbers are expressed as Full Time Equivalent: (FTE) as they appear in the Congressional budget.

11. KEY POINTS OF CONTACT (POC): Provide the work, FAX, and home telephone numbers for the Commanding Officer or OIC, and the Duty Officer. Include area code(s). You may provide other key POCs if so desired in addition to those above.

	<u>Title/Name</u>	<u>Office</u>	<u>Fax</u>	<u>Home</u>
° CO/OIC	RADM D.B. McKinney	(619) 939-2201	(619) 939-2903	Unlisted
° Duty Officer		(805) 989-7209		
° Site BRAC Coordinator	Stephen F. Mendonca	(805) 989-8534	(805) 989-8036	(805) 985-3625

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12. TENANT ACTIVITY LIST: This list must be all-inclusive. Tenant activities are to ensure that their host is aware of their existence and any "subleasing" of space. This list should include the name and UIC(s) of all organizations, shore commands and homeported units, active or reserve, DOD or non-DOD (include commercial entities). The tenant listing should be reported in the format provide below, listed in numerical order by UIC, separated into the categories listed below. Host activities are responsible for including authorized personnel numbers, on board as of **30 September 1994**, for all tenants, even if those tenants have also been asked to provide this information on a separate Data Call. (Civilian count shall include Appropriated Fund personnel only.)

Tenant Command Name	UIC	Officer	Enlisted	Civilian
PATROL SQUADRON SIXTY-FIVE (VP-65)	09173	8	113	0
STRIKE FIGHTER SQUADRON THREE ZERO FIVE (VA-305)	09326	5	127	0
AIR TEST AND EVALUATION SQUADRON FOUR (VX-4)	09425	5	127	0
ANTARCTIC DEVELOPMENT SQUADRON SIX (VXE-6)	09589	63	364	2
AIR TEST AND EVALUATION SQUADRON FOUR (VX-4)	09830	37	272	4
EXPLOSIVE ORDNANCE DETACHMENT THREE	30213	2	8	1
NAVY EXCHANGE	30949	0	2	0
NAVAL AVIATION ENGINEERING SERVICE UNIT	32904	0	1	2
COMMANDER, THIRD FLEET REPRESENTATIVE	33321	1	1	0
BRANCH DENTAL CLINIC	35744	2	4	2
NAVAL TELECOMMUNICATIONS CENTER	39048	0	10	0
NAVAL MILITARY PERSONNEL COMMAND SEA DUTY DETACHMENT	41342	1	21	0
PERSONNEL SUPPORT ACTIVITY DETACHMENT	43145	1	29	20
RESIDENT OFFICER-IN-CHARGE OF CONSTRUCTION	44266	7	0	15
NAVAL AUDIT SITE	46055	0	0	8
HELICOPTER COMBAT SUPPORT DETACHMENT SEA COP	47409	9	69	0
DEFENSE COMMISSARY AGENCY	49208	0	4	0
OPERATIONAL TEST EVALUATION FORCE	52820	3	3	2
HELICOPTER COMBAT SUPPORT SQUADRON FIVE (HAL-5)	53812	1	43	0
ANTARCTIC DEVELOPMENT SQUADRON SIX (VXE-6)	53832	0	4	0
NAVY CAMPUS FIELD ACTIVITY	63015	0	0	2

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NAVY SATELLITE OPERATIONS CENTER	63200	11	33	75
BRANCH MEDICAL CLINIC	66099	5	16	9
NAVAL AIR RESERVES	66630	11	99	21
DEFENSE PRINTING SERVICE DETACHMENT	66965	0	0	2
MARINE AVIATION DETACHMENT	67414	10	16	1
NAVY RESEARCH LABORATORY	68288	3	21	0
DEFENSE FINANCE AND ACCOUNTING SERVICE (DFAS)	Q0103	0	0	11
FEDERAL BUREAU OF INVESTIGATION	N/A	0	0	11
NAVAL CRIMINAL INVESTIGATIVE SERVICE	N/A	0	0	0

° Tenants residing on main complex (homeported units.)

Tenant Command Name	UIC	Officer	Enlisted	Civilian
N/A	N/A	N/A	N/A	N/A

° Tenants residing in Special Areas (Special Areas are defined as real estate owned by host command not contiguous with main complex; e.g. outlying fields).

Tenant Command Name	UIC	Location	Officer	Enlisted	Civilian
NAVY EXCHANGE	30437	SAN NICOLAS ISLAND	0	4	0
BRANCH MEDICAL CLINIC	42531	SAN NICOLAS ISLAND	0	3	0
NAVAL SURFACE WARFARE CENTER	N/A	SANTA CRUZ ISLAND	0	0	40

° Tenants (Other than those identified previously)

Tenant Command Name	UIC	Location	Officer	Enlisted	Civilian
SWISS AIR FORCE	N/A	POINT MUGU, CA (PROVIDE PROCUREMENT SUPPORT OF U.S. EW EQUIPMENT SUITES FOR THEIR AIRCRAFT)			
MCDONALDS	N/A	POINT MUGU, CA	0	0	0
POINT MUGU FEDERAL CREDIT UNION	N/A	POINT MUGU, CA	0	0	0
U. S. POSTAL SERVICE	N/A	POINT MUGU, CA	0	0	0
UNIVERSITY OF LAVERNE	N/A	POINT MUGU, CA	0	0	0

UNIVERSITY OF SOUTHERN CALIFORNIA	N/A	POINT MUGU, CA	0	0	0
UNIVERSITY OF SOUTHERN ILLINOIS	N/A	POINT MUGU, CA	0	0	0

The number of personnel listed herein may overlap with the number of personnel under Item #10 personnel numbers. For example, a full-time appropriated fund employee may also be a member of the fleet reserve squadron located as a tenant on the base. Foreign detachments/ deployment fluctuate from time to time.

13. REGIONAL SUPPORT: Identify your relationship with other activities, not reported as a host/tenant, for which you provide support. Again, this list should be all-inclusive. The intent of this question is capture the full breadth of the mission of your command and your customer/supplier relationships. Include in your answer any Government Owned/Contractor Operated facilities for which you provide administrative oversight and control.

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
CALIFORNIA DEPARTMENT OF FISH AND GAME U. S. FISH AND WILDLIFE SERVICE	POINT MUGU AND SAN NICOLAS ISLAND, CA	PROTECTION OF WILDLIFE AT MUGU LAGOON AND SAN NICOLAS ISLAND
COUNTY OF VENTURA, CITY OF OXNARD, CITY OF VENTURA, AND NAVAL CONSTRUCTION BATTALION CENTER	CAMARILLO, OXNARD, VENTURA, PORT HUENEME, CA	MUTUAL AID FIREFIGHTING AGREEMENTS; MOU
DEFENSE INFORMATION SYSTEMS AGENCY	POINT MUGU	DEFENSE SIMULATION INTERNET SECRET NOFORN SYSTEM; MCA
DEPARTMENT OF AGRICULTURE, LOS PADRES NATIONAL FOREST	OJAI, CA	HELICOPTER TRAINING FLIGHTS IN THE LOS PADRES FOREST; MOU
DEPARTMENT OF INTERIOR CHANNEL ISLAND NATIONAL PARK	VENTURA, CA	ASSIST IN MANAGEMENT OF THE NATURAL, HISTORIC, AND SCIENTIFIC VALUES OF SAN MIGUEL ISLAND; MOA
FEDERAL AND MUNICIPAL LAW ENFORCEMENT AGENCIES	SOUTHERN CALIFORNIA	SMALL BORE RANGE (FROM SANTA BARBARA COUNTY SOUTH TO SAN DIEGO COUNTY AND EAST TO INCLUDE ALL OF LOS ANGELES COUNTY)
FEDERAL AVIATION ADMINISTRATION	LOS ANGELES, CA	MAINTAIN ILS LOCATED AT POINT MUGU
FEDERAL AVIATION ADMINISTRATION*	LOS ANGELES, CA	AIR TRAFFIC CONTROL, RADAR APPROACH CONTROL
JET PROPULSION LABORATORY	PASADENA, CA	OPERATION AND UTILIZATION OF LIDAR ATMOSPHERIC MEASUREMENT PROGRAM SYSTEM; MOA
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	POINT MUGU, CA	ACCESS TO WEATHER INFORMATION FROM ALERT SYSTEM AT POINT MUGU; MOA
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	POINT MUGU, CA	ACCESS TO SYNCHRONOUS SATELLITE AND GEOSTATIONARY OPERATIONAL ENVIRONMENTAL SATELLITE IMAGERY SIGNALS; AA
NATIONAL WEATHER SERVICE, COUNTY OF VENTURA	SACRAMENTO AND VENTURA, CA	CALLEGUAS CREEK/REVLON SLOUGH FLASH FLOOD WARNING SYSTEM
NATURE CONSERVANCY	SANTA BARBARA, CA	USE OF REAL PROPERTY ON SANTA CRUZ ISLAND; LEASE
NON-DOD AGENCIES (SAR)	LOS ANGELES BASIS OFFICES	INTELLIGENCE DATA-FUSION SYSTEMS SUPPORT AND TECHNOLOGY SHARING OF OPEN SYSTEMS ARCHITECTURE SYSTEMS PRODUCTS

RANGE COMMANDERS COUNCIL	VARIOUS	TELEMETRY GROUP SUPPORT
U. S. AIR FORCE 30TH SPACE WING	VANDENBERG AFB, CA	CONDUCT OF TEST OPERATIONS UNDER JOINT RANGE OPERATING PROCEDURES; MOA
U. S. AIR FORCE 30TH SPACE WING	VANDENBERG AFB, CA	CRYPTOGRAPHIC KEYING SUPPORT; MOA
U. S. AIR FORCE 30TH SPACE WING	VANDENBERG AFB, CA	JOINT INTER-RANGE MICROWAVE SYSTEM; MOU
U. S. AIR FORCE 30TH SPACE WING	VANDENBERG AFB, CA	DEVELOPMENT, INSTALLATION AND TEST OF A MODERNIZED COMMAND CONTROL TRANSMITTER SITE AT POINT LOMA; MOA
U. S. AIR FORCE 30TH SPACE WING	VANDENBERG AFB, CA	OPERATION AND MAINTENANCE OF COMMAND CONTROL TRANSMITTER AT LAGUNA PEAK; MOA
U. S. AIR FORCE 685TH TEST GROUP, HOLLOWAN AFB, NM	SAN NICOLAS ISLAND, CA	INSTALLATION AND OPERATION OF CR-100 AN/URQ-38 TRANSPONDER; ISSA
U. S. AIR FORCE AIR FORCE FLIGHT TEST CENTER	VANDENBERG AFB, CA	JOINT INTER-RANGE MICROWAVE SYSTEM; MOU
U. S. AIR FORCE EDWARDS AIR FORCE BASE	LANCASTER, CA	PROVIDE AND SUPPORT SPARROW GOLDEN BIRDS FOR TRAINING AND ENGINEERING INVESTIGATIONS
U. S. AIR FORCE HQ 146TH TACTICAL AIRLIFT WING	PORT HUENEME, CA	AIRFIELD OPERATIONS, FIRE PROTECTION, FUELS AND VARIOUS BACKUP SERVICES; ISA
U. S. AIR FORCE TARGET SUPPORT	EDWARDS AIR FORCE BASE	SPECIAL PROJECTS
U. S. COAST GUARD ELEVENTH COAST GUARD DISTRICT	LONG BEACH, CA	USE OF COAST GUARD LEASED COMMUNICATIONS EQUIPMENT; ISSA
U. S. MARINE CORPS TACTICAL SOFTWARE SUPPORT ACTIVITY	CAMP PENDLETON, CA	INTELLIGENCE SYSTEM DEVELOPMENT AND INTERFACE SUPPORT
U. S. NAVY	NAVAL AIR FACILITY, EL CENTRO, CA	STORAGE OF MOBILE LAND TARGETS; ISSA
U. S. NAVY	NAVAL CIVIL ENGINEERING LABORATORY, PORT HUENEME, CA	PATENT COUNSEL SERVICES; ISSA
U. S. NAVY NAVAL AIR REWORK FACILITY	ALAMEDA, CA	PROVIDE ENGINEERING AND TECHNICAL SUPPORT (HARDWARE AND SOFTWARE) FOR SPARROW MISSILE DEPOT REPAIR RATE
U. S. NAVY NAVAL AIR STATION LEMOORE, MIRAMAR, NORTH ISLAND, MCAS EL TORO, NWS SEAL BEACH	CALIFORNIA	PROVIDE AND SUPPORT SPARROW GOLDEN BIRDS FOR TRAINING AND ENGINEERING INVESTIGATIONS
U. S. NAVY NAVAL AIR SYSTEMS COMMAND	POINT MUGU, CA	LOGISTICS MANAGEMENT FOR CONVENTIONAL BOMBS; MOA

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U. S. NAVY NAVAL AIR SYSTEMS COMMAND	POINT MUGU, CA	LOGISTICS MANAGEMENT FOR IN-SERVICE GUN SYSTEMS; MOA
U. S. NAVY NAVAL CONSTRUCTION BATTALION CENTER	PORT HUENEME, CA	AIR TERMINAL OPERATIONS, FIRE AND POLICE PROTECTION BACKUP, AMMUNITION STORAGE IN EMERGENCIES; ISA
U. S. NAVY NWS FALLBROOK	FALLBROOK, CA	PROVIDE CENTRAL POINT OF CONTACT AND FIELD SUPPORT FOR TECHNICAL, ENGINEERING, INSTALLATION, TRAINING, AND MAINTENANCE SUPPORT FOR MISSILE ATE. MISSILE SYSTEMS INCLUDE, BUT ARE NOT LIMITED TO, SIDEWINDER, SPARROW, PHOENIX, HARM, AMRAAM, HARPOON, SLAM, SIDEARM, HELLFIRE
UNIVERSITY OF CALIFORNIA SANTA BARBARA	POINT MUGU, CA	INSTRUCTIONAL TELEVISION FIXED STATION ON LAGUNA PEAK; MOU
UNIVERSITY OF WISCONSIN	POINT MUGU, CA	HIGH-RESOLUTION INTERFEROMETER SOUNDER PARTICIPATION; MOA
VA-305	POINT MUGU, CA	PROVIDE MISSILE TEST AND PREPARATION SERVICES
VENTURA COUNTY SHERIFF'S DEPARTMENT	CAMARILLO, CA	SUPPLY SUPPORT; MOU
VX-4	POINT MUGU, CA	PROVIDE TECHNICAL AND ENGINEERING SUPPORT FOR TECHNICAL EVALUATIONS PERFORMED BY VX-4. SERVICES INCLUDE MISSILE TEST AND PREPARATION AS WELL AS ENGINEERING AND FAILURE INVESTIGATIONS RELATED TO OPEVAL AND TECHEVAL FOR VARIOUS MISSILE SYSTEMS

\* All Services

14. **FACILITY MAPS:** This is a primary responsibility of the plant account holders/host commands. Tenant activities are not required to comply with submission if it is known that your host activity has complied with the request. Maps and photos should not be dated earlier than 01 January 1991, unless annotated that no changes have taken place. Any recent changes should be annotated on the appropriate map or photo. Date and label all copies.

◦ **Local Area Map.** This map should encompass, at a minimum, a 50 mile radius of your activity. Indicate the name and location of all DOD activities within this area, whether or not you support that activity. Map should also provide the geographical relationship to the major civilian communities within this radius. (Provide 12 copies.)

◦ **Installation Map / Activity Map / Base Map / General Development Map / Site Map.** Provide the most current map of your activity, clearly showing all the land under ownership/control of your activity, whether owned or leased. Include all outlying areas, special areas, and housing. Indicate date of last update. Map should show all structures (numbered with a legend, if available) and all significant restrictive use areas/zones that encumber further development such as HERO, HERP, HERF, ESQD arcs, agricultural/forestry programs, environmental restrictions (e.g., endangered species). (Provide in two sizes: 36"x 42" (2 copies, if available); and 11"x 17" (12 copies).)

◦ **Aerial photo(s).** Aerial shots should show all base use areas (both land and water) as well as any local encroachment sites/issues. You should ensure that these photos provide a good look at the areas identified on your Base Map as areas of concern/interest - remember, a picture tells a thousand words. Again, date and label all copies. (Provide 12 copies of each, 8"x 11".)

Aerial photographs have been included of the following principle area:

- **Point Mugu main base (two photographs)**
- **Laguna Peak (one photograph)**

Laguna Peak is located 1567 feet above the eastern corner of the Point Mugu complex. Laguna Peak provides an elevated line-of-sight and over-the-horizon transmitter capability for flight control of guided missiles and pilotless aircraft and command control/command destruct of test and ballistic missiles launched from Vandenberg AFB. In addition, Laguna Peak is instrumented for metric and surveillance radars, telemetry reception, optics, UHF/VHF (including mobile) communications, and radar frequency retransmission of range data.

- **San Nicolas Island (two photographs)**

San Nicolas Island (located approximately 60 miles offshore) is a remote, secure test facility with a fully operational jet airfield, providing multiple launch and recovery support for all Navy full- and sub-scale targets. It is fully instrumented and capable of supporting full-spectrum test operations and weapons handling, launching, and impact.

- **Santa Cruz Island (one photograph)**

Santa Cruz Island is located about 25 miles west of Point Mugu is another unique instrumented island used for telemetry data collection, secure VHF/JHF radio communications and data transmission, including microwave relay to/from San Nicolas Island and Vandenberg AFB, and surveillance radar coverage of the inner Sea Test Range. Also located on the island is our Santa Cruz Acoustic Range Facility (SCARF), which is a unique underwater test capability used to measure acoustic characteristics of underwater weapons systems, and the Santa Cruz Radar Imaging Facility (SCRIF), which uses surface surveillance radar to track and collect radar cross-section data on test ships up to 20 miles off the coast.

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BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

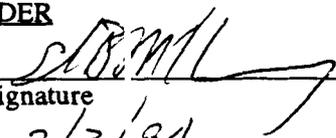
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

D. B. McKinney, RADM, USN  
NAME (Please type or print)

  
Signature  
2/3/94  
Date

Commander  
Title

Naval Air Warfare Center Weapons Division  
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

G. H. STROHSAHL  
NAME (Please type or print)  
Rear Admiral, U.S. Navy  
Title  
Commander, Naval Air Warfare Center  
Activity

[Signature]  
Signature  
2/10/94  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

\_\_\_\_\_  
NAME (Please type or print)  
\_\_\_\_\_  
Title  
\_\_\_\_\_  
Activity

\_\_\_\_\_  
Signature  
\_\_\_\_\_  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

W. C. BOWES  
NAME (Please type or print)  
Vice Admiral, U.S. Navy  
Title  
Commander, Naval Air Systems Command  
Activity

[Signature]  
Signature  
16 Feb 94  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)  
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J. B. GREENE, JR  
NAME (Please type or print)  
ACTING  
Title

[Signature]  
Signature  
16 FEB 94  
Date

DATA CALL #1  
Revision Pages 11+12  
Point Mugu

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

W. E. NEWMAN, RADM, USN  
NAME (Please type or print)

W. E. Newman  
Signature

COMMANDER  
Title

8/31/94  
Date

NAVAL AIR WARFARE CENTER  
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

\_\_\_\_\_  
NAME (Please type or print)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

W. C. BOWES, VADM, USN  
NAME (Please type or print)

W. C. Bowes  
Signature

COMMANDER  
Title

2 Sep 94  
Date

NAVAL AIR SYSTEMS COMMAND  
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

**DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)  
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)**

W. A. EARNER

\_\_\_\_\_  
NAME (Please type or print)

W. A. Earner  
Signature

\_\_\_\_\_  
Title

7/6/94  
Date

BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, Uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

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I certify the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

D. B. McKinney, RADM, USN  
Name (Please type or print)

  
Signature

Commander  
Title

8/11/94  
Date

Naval Air Warfare Center Weapons Division Point Mugu Site  
Activity

Data Call #1 Revision of 11 August 1994

pg 11 + 12



BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

*In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, Uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."*

*The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.*

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I certify the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

Roger K. Hull, CAPT, USN  
Name (Please type or print)

  
Signature

Acting Commander  
Title

16 Sep '94  
Date

Naval Air Warfare Center Weapons Division Point Mugu Site  
Activity

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**Activity Identification:** *Please complete the following table, identifying the activity for which this response is being submitted.*

<b>Activity Name:</b>	Naval Air Warfare Center Weapons Division, Point Mugu site
<b>UIC:</b>	N63126
<b>Major Claimant:</b>	Naval Air Systems Command

**General Instructions/Background:**

*Information requested in this data call is required for use by the Base Structure Evaluation Committee (BSEC), in concert with information from other data calls, to analyze both the impact that potential closure or realignment actions would have on a local community and the impact that relocations of personnel would have on communities surrounding receiving activities. In addition to Cost of Base Realignment Actions (COBRA) analyses which incorporate standard Department of the Navy (DON) average cost factors, the BSEC will also be conducting more sophisticated economic and community infrastructure analyses requiring more precise, activity-specific data. For example, activity-specific salary rates are required to reflect differences in salary costs for activities with large concentrations of scientists and engineers and to address geographic differences in wage grade salary rates. Questions relating to "Community Infrastructure" are required to assist the BSEC in evaluating the ability of a community to absorb additional employees and functions as the result of relocation from a closing or realigning DON activity.*

*Due to the varied nature of potential sources which could be used to respond to the questions contained in this data call, a block appears after each question, requesting the identification of the source of data used to respond to the question. To complete this block, identify the source of the data provided, including the appropriate references for source documents, names and organizational titles of individuals providing information, etc. Completion of this "Source of Data" block is critical since some of the information requested may be available from a non-DoD source such as a published document from the local chamber of commerce, school board, etc. Certification of data obtained from a non-DoD source is then limited to certifying that the information contained in the data call response is an accurate and complete representation of the information obtained from the source. Records must be retained by the certifying official to clearly document the source of any non-DoD information submitted for this data call.*

**General Instructions/Background (Continued):**

*The following notes are provided to further define terms and methodologies used in this data call. Please ensure that responses consistently follow this guidance:*

**Note 1:** *Throughout this data call, the term "activity" is used to refer to the DON installation that is the addressee for the data call.*

**Note 2:** *Periodically throughout this data call, questions will include the statement that the response should refer to the "area defined in response to question 1.b., (page 3)". Recognizing that in some large metropolitan areas employee residences may be scattered among many counties or states, the scope of the "area defined" may be limited to the sum of:*

- *those counties that contain government (DoD) housing units (as identified in 1.b.2)), and,*
- *those counties closest to the activity which, in the aggregate, include the residences of 80% or more of the activity's employees.*

**Note 3:** *Responses to questions referring to "civilians" in this data call should reflect federal civil service appropriated fund employees.*

**1. Workforce Data**

**a. Average Federal Civilian Salary Rate.** *Provide the projected FY 1996 average gross annual appropriated fund civil service salary rate for the activity identified as the addressee in this data call. This rate should include all cash payments to employees, and exclude non-cash personnel benefits such as employer retirement contributions, payments to former employees, etc.*

<b>Average Appropriated Fund Civilian Salary Rate:</b> \$45,344*
--

\* Tenant data are derived from a different source than civilian on-site data. Civilian on-site data were taken from CP-2; tenant data were supplied by tenant contact.

<b>Source of Data (1.a.) - Salary Rate:</b> FY 1996/FY 1997 DBOF Biennial Budget: Analysis of Civilian Personnel (CP-20) for FY 1996 (for NAWCWPNS); telephone calls to tenant activities for tenant average salaries
--

**b. Location of Residence.** Complete the following table to identify where employees live. Data should reflect current workforce.

**1) Residency Table.** Identify residency data, by county, for both military and civilian (civil service) employees working at the installation (including, for example, operational units that are homeported or stationed at the installation). For each county listed, also provide the estimated average distance from the activity, in miles, of employee residences and the estimated average length of time to commute one-way to work. For the purposes of displaying data in the table, any county(s) in which 1% or fewer of the activity's employees reside may be consolidated as a single line entry in the table, titled "Other."

County of Residence	State	Number of Employees Residing in County		Percentage of Total Employees	Average Distance From Base (Miles)	Average Duration of Commute (Minutes)
		Military	Civilian			
Ventura	CA	2,047	3,031	86	7	22
Santa Barbara and Other	CA	100	525	11	50	90
Los Angeles	CA	32	167	3	50	90

= 100%

Note: This table includes NAWCWPNS employees and all DOD tenants.

As discussed in *Note 2* on Page 2, subsequent questions in the data call refer to the "area defined in response to question 1.b., (page 3)". In responding to these questions, the scope of the "area defined" may be limited to the sum of: a) those counties that contain government (DoD) housing units (as identified below), and, b) those counties closest to the activity which, in the aggregate, include the residences of 80% or more of the activity's employees.

**2) Location of Government (DoD) Housing.** If some employees of the base live in government housing, identify the county(s) where government housing is located:

Ventura County, California.

<b>Source of Data (1.b.1 and 2) - Residence Data:</b>	<b>Residency Table by Zip Code</b>
---	------------------------------------

**c. Nearest Metropolitan Area(s).** *Identify all major metropolitan area(s) (i.e., population concentrations of 100,000 or more people) which are within 50 miles of the installation. If no major metropolitan area is within 50 miles of the base, then identify the nearest major metropolitan area(s) (100,000 or more people) and its distance(s) from the base.*

City	County	Distance from base (miles)
Oxnard	Ventura	11
Thousand Oaks	Ventura	20
Simi Valley	Ventura	25
Santa Barbara	Santa Barbara	40

**Source of Data (1.c.) - Metro Areas: State Farm Road Atlas**

d. **Age of Civilian Workforce.** Complete the following table, identifying the age of the activity's civil service workforce.

Age Category	Number of Employees	Percentage of Employees
16 - 19 Years	0	0.0%
20 - 24 Years	49	1.3%
25 - 34 Years	852	22.9%
35 - 44 Years	1,024	27.5%
45 - 54 Years	1,164	31.3%
55 - 64 Years	565	15.2%
65 or Older	69	1.8%
<b>TOTAL</b>	<b>3,723</b>	<b>100%</b>

**Source of Data (1.d.) - Age Data:** Defense Civilian Personnel Data System (DCPDS), certifier interviews, or other personnel records

## e. Education Level of Civilian Workforce

1) **Education Level Table.** Complete the following table, identifying the education level of the activity's civil service workforce.

Last School Year Completed	Number of Employees	Percentage of Employees
8th Grade or less	8	0.2
9th through 11th Grade	51	1.4
12th Grade or High School Equivalency	750	20.1
1-3 Years of College	1,366	36.7
4 Years of College (Bachelor's Degree)	1,069	28.7
5 or More Years of College (Graduate Work)	479	12.9
<b>TOTAL</b>	<b>3,723</b>	<b>100%</b>

2) **Degrees Achieved.** Complete the following table for the activity's civil service workforce. Identify the number of employees with each of the following degrees, etc. To avoid double counting, only identify the highest degree obtained by a worker (e.g., if an employee has both a Master's Degree and a Doctorate, only include the employee under the category "Doctorate").

Degree	Number of Civilian Employees
Terminal Occupation Program - Certificate of Completion, Diploma or Equivalent (for areas such as technicians, craftsmen, artisans, skilled operators, etc.)	88
Associate Degree	274
Bachelor's Degree	1,176
Master's Degree	315
Doctorate	17

Source of Data (1.e.1 and 2) -  
Education Level Data:

DCPDS, certifier interviews, other personnel records

f. **Civilian Employment By Industry.** Complete the following table to identify by "industry" the type of work performed by civil service employees at the activity. The intent of this table is to attempt to stratify the activity civilian workforce using the same categories of industries used to identify private sector employment. Employees should be categorized based on their primary duties. Additional information on categorization of private sector employment by industry can be found in the Office of Management and Budget Standard Industrial Classification (SIC) Manual. However, you do not need to obtain a copy of this publication to provide the data requested in this table.

Note the following specific guidance regarding the "Industry Type" codes in the first column of the table: Even though categories listed may not perfectly match the type of work performed by civilian employees, please attempt to assign each civilian employee to one of the "Industry Types" identified in the table. However, only use the Category 6, "Public Administration" sub-categories when none of the other categories apply. Retain supporting data used to construct this table at the activity-level, in case questions arise or additional information is required at some future time. Leave shaded areas blank.

Industry	SIC Codes	Number of Civilians	Percentage of Civilians
<b>1. Agriculture, Forestry &amp; Fishing</b>	01-09		
<b>2. Construction (includes facility maintenance and repair)</b>	15-17	202	5.4%
<b>3. Manufacturing (includes Intermediate and Depot level maintenance)</b>	20-39		
3a. Fabricated Metal Products (includes ordnance, ammo, etc.)	34		
3b. Aircraft (includes engines and missiles)	3721 et al		
3c. Ships	3731		
3d. Other Transportation (includes ground vehicles)	various		
3e. Other Manufacturing not included in 3a through 3d.	various		
<b>Sub-Total 3a. through 3e.</b>	20-39		
<b>4. Transportation/Communications/Utilities</b>	40-49		
4a. Railroad Transportation	40		
4b. Motor Freight Transportation & Warehousing (includes supply services)	42	144	3.9%
4c. Water Transportation (includes organizational level maintenance)	44		
4d. Air Transportation (includes organizational level maintenance)	45	10	0.2%
4e. Other Transportation Services (includes organizational level maintenance)	47		
4f. Communications	48	54	1.5%
4g. Utilities	49	26	0.7%
<b>Sub-Total 4a. through 4g.</b>	40-49	234	6.3%
<b>5. Services</b>	70-89		
5a. Lodging Services	70	1	
5b. Personal Services (includes laundry and funeral services)	72		
5c. Business Services (includes mail, security guards, pest control, photography, janitorial and ADP services)	73	335	9.0%
5d. Automotive Repair and Services	75		

TABLE (contd.)

Industry	SIC Codes	Number of Civilians	Percentage of Civilians
5e. Other Misc. Repair Services	76	2	0.1%
5f. Motion Pictures	78		
5g. Amusement and Recreation Services	79	16	0.4%
5h. Health Services	80	26	0.7%
5i. Legal Services	81	7	0.2%
5j. Educational Services	82	3	0.1%
5k. Social Services	83	50	1.3%
5l. Museums	84		
5m. Engineering, Accounting, Research & Related Services (includes RDT&E, ISE, etc.)	87	2,624	70.5%
5n. Other Misc. Services	89	22	0.6%
<b>Sub-Total 5a. through 5n.:</b>	<b>70-89</b>	<b>3,086</b>	<b>82.9%</b>
<b>6. Public Administration</b>	<b>91-97</b>		
6a. Executive and General Government, Except Finance	91	26	0.7%
6b. Justice, Public Order & Safety (includes police, firefighting and emergency management)	92	124	3.3%
6c. Public Finance	93	17	0.5%
6d. Environmental Quality and Housing Programs	95	34	0.9%
<b>Sub-Total 6a. through 6d.</b>		<b>201</b>	<b>5.4%</b>
<b>TOTAL</b>		<b>3,723</b>	<b>100%</b>

Source of Data (1.f.) - Classification By Industry Data: DCPDS and other personnel records

**g. Civilian Employment by Occupation.** Complete the following table to identify the types of "occupations" performed by civil service employees at the activity. Employees should be categorized based on their primary duties. Additional information on categorization of employment by occupation can be found in the Department of Labor Occupational Outlook Handbook. However, you do not need to obtain a copy of this publication to provide the data requested in this table.

Note the following specific guidance regarding the "Occupation Type" codes in the first column of the table: Even though categories listed may not perfectly match the type of work performed by civilian employees, please attempt to assign each civilian employee to one of the "Occupation Types" identified in the table. Refer to the descriptions immediately following this table for more information on the various occupational categories. Retain supporting data used to construct this table at the activity-level, in case questions arise or additional information is required at some future time. Leave shaded areas blank.

Occupation	Number of Civilian Employees	Percentage of Civilian Employees
<b>1. Executive, Administrative and Management</b>	232	6.2%
<b>2. Professional Specialty</b>		
2a. Engineers	1,021	27.5%
2b. Architects and Surveyors	5	0.1%
2c. Computer, Mathematical & Operations Research	184	4.9%
2d. Life Scientists	4	0.1%
2e. Physical Scientists	25	0.7%
2f. Lawyers and Judges	4	0.1%
2g. Social Scientists & Urban Planners	1	
2h. Social & Recreation Workers	38	1.0%
2i. Religious Workers		
2j. Teachers, Librarians & Counselors	2	0.1%
2k. Health Diagnosing Practitioners (Doctors)	2	0.1%
2l. Health Assessment & Treating (Nurses, Therapists, Pharmacists, Nutritionists, etc.)	3	0.1%
2m. Communications	49	1.3%
2n. Visual Arts	35	0.9%
<b>Sub-Total 2a. through 2n.:</b>	1,373	36.9%
<b>3. Technicians and Related Support</b>		
3a. Health Technologists and Technicians	2	0.1%
3b. Other Technologists	974	26.1%
<b>Sub-Total 3a. and 3b.:</b>	976	26.2%
<b>4. Administrative Support &amp; Clerical</b>	587	15.8%
<b>5. Services</b>		
5a. Protective Services (includes guards, firefighters, police)	124	3.3%
5b. Food Preparation & Service		
5c. Dental/Medical Assistants/Aides	2	0.1%
5d. Personal Service & Building & Grounds Services (includes janitorial, grounds maintenance, child care workers)	30	0.8%
<b>Sub-Total 5a. through 5d.</b>	156	4.2%
<b>6. Agricultural, Forestry &amp; Fishing</b>		
<b>7. Mechanics, Installers and Repairers</b>	234	6.3%
<b>8. Construction Trades</b>	67	1.8%
<b>9. Production Occupations</b>	85	2.3%

TABLE (contd.)

Occupation	Number of Civilian Employees	Percentage of Civilian Employees
10. Transportation & Material Moving	8	0.2%
11. Handlers, Equipment Cleaners, Helpers and Laborers (not included elsewhere)	5	0.1%
<b>TOTAL</b>	<b>3,723</b>	<b>100%</b>

Source of Data (1.g.) - Classification By Occupation Data: DCPDS and other personnel records

**Description of Occupational Categories used in Table 1.g.** The following list identifies public and private sector occupations included in each of the major occupational categories used in the table. Refer to these examples as a guide in determining where to allocate appropriated fund civil service jobs at the activity.

1. **Executive, Administrative and Management.** Accountants and auditors; administrative services managers; budget analysts; construction and building inspectors; construction contractors and managers; cost estimators; education administrators; employment interviewers; engineering, science and data processing managers; financial managers; general managers and top executives; chief executives and legislators; health services managers; hotel managers and assistants; industrial production managers; inspectors and compliance officers, except construction; management analysts and consultants; marketing, advertising and public relations managers; personnel, training and labor relations specialists and managers; property and real estate managers; purchasing agents and managers; restaurant and food service managers; underwriters; wholesale and retail buyers and merchandise managers.
2. **Professional Specialty.** Use sub-headings provided.
3. **Technicians and Related Support.** Health Technologists and Technicians sub-category - self-explanatory. Other Technologists sub-category includes aircraft pilots; air traffic controllers; broadcast technicians; computer programmers; drafters; engineering technicians; library technicians; paralegals; science technicians; numerical control tool programmers.
4. **Administrative Support & Clerical.** Adjusters, investigators and collectors; bank tellers; clerical supervisors and managers; computer and peripheral equipment operators; credit clerks and authorizers; general office clerks; information clerks; mail clerks and messengers; material recording, scheduling, dispatching and distributing; postal clerks and mail carriers; records clerks; secretaries; stenographers and court reporters; teacher aides; telephone, telegraph and teletype operators; typists, word processors and data entry keyers.
5. **Services.** Use sub-headings provided.
6. **Agricultural, Forestry & Fishing.** Self explanatory.
7. **Mechanics, Installers and Repairers.** Aircraft mechanics and engine specialists; automotive body repairers; automotive mechanics; diesel mechanics; electronic equipment repairers; elevator installers and repairers; farm equipment mechanics; general maintenance mechanics; heating, air conditioning and refrigeration technicians; home appliance and power tool repairers, industrial machinery repairers; line installers and cable splicers; millwrights; mobile heavy equipment mechanics; motorcycle, boat and small engine mechanics; musical instrument repairers and tuners; vending machine servicers and repairers.

8. **Construction Trades.** *Bricklayers and stonemasons; carpenters; carpet installers; concrete masons and terrazzo workers; drywall workers and lathers; electricians; glaziers; highway maintenance; insulation workers; painters and paperhangers; plasterers; plumbers and pipefitters; roofers; sheet metal workers; structural and reinforcing ironworkers; tilers.*
9. **Production Occupations.** *Assemblers; food processing occupations; inspectors, testers and graders; metalworking and plastics-working occupations; plant and systems operators, printing occupations; textile, apparel and furnishings occupations; woodworking occupations; miscellaneous production operations.*
10. **Transportation & Material Moving.** *Busdrivers; material moving equipment operators; rail transportation occupations; truckdrivers; water transportation occupations.*
11. **Handlers, Equipment Cleaners, Helpers and Laborers** (not included elsewhere). *Entry level jobs not requiring significant training.*

**h. Employment of Military Spouses.** Complete the following table to provide estimated information concerning military spouses who are also employed in the area defined in response to question 1.b., above. **Do not fill in shaded area.**

Precise data for this table were difficult to obtain because of Privacy Act restrictions. Therefore, the data are based on estimates from a representative sample, extrapolated to include the entire military population.

1. Percentage of Military Employees Who Are Married:	60
2. Percentage of Military Spouses Who Work Outside of the Home:	60
3. Break out of Spouses' Location of Employment (Total of rows 3a. through 3d. should equal 100% and reflect the number of spouses used in the calculation of the "Percentage of Spouses Who Work Outside of the Home.")	
3a. Employed "On-Base" - Appropriated Fund:	14*
3b. Employed "On-Base" - Non-Appropriated Fund:	27*
3c. Employed "Off-Base" - Federal Employment:	0
3d. Employed "Off-Base" - Other Than Federal Employment:	59

\* Because of the DOD-wide hiring freeze for civil service positions, these numbers are lower than might otherwise be expected.

**Source of Data (1.h.) - Spouse Employment Data:**

Point Mugu Human Resources Department, PSD, TAMP, NEX, MWR, and Commissary organizations consolidated employment information and personnel estimates; phone surveys

**2. Infrastructure Data.** *For each element of community infrastructure identified in the two tables below, rate the community's ability to accommodate the relocation of additional functions and personnel to your activity. Please complete each of the three columns listed in the table, reflecting the impact of various levels of increase (20%, 50% and 100%) in the number of personnel working at the activity (and their associated families). In ranking each category, use one of the following three ratings:*

*A -Growth can be accommodated with little or no adverse impact to existing community infrastructure and at little or no additional expense.*

*B -Growth can be accommodated, but will require some investment to improve and/or expand existing community infrastructure.*

*C -Growth either cannot be accommodated due to physical/environmental limitations or would require substantial investment in community infrastructure improvements.*

**Table 2.a., "Local Communities":** *This first table refers to the local community (i.e., the community in which the base is located) and its ability to meet the increased requirements of the installation.*

**Table 2.b., "Economic Region":** *This second table asks for an assessment of the infrastructure of the economic region (those counties identified in response to question 1.b., (page 3) - taken in the aggregate) and its ability to meet the needs of additional employees and their families moving into the area.*

*For both tables, annotate with an asterisk (\*) any categories which are wholly supported on-base, i.e., are not provided by the local community. These categories should also receive an A-B-C rating. Answers for these "wholly supported on-base" categories should refer to base infrastructure rather than community infrastructure.*

a. Table A: Ability of the local community to meet the expanded needs of the base.

1) Using the A - B - C rating system described above, complete the table below.

Category	20% Increase	50% Increase	100% Increase
Off-Base Housing	A	A	A
Schools - Public	A	A	A
Schools - Private	A	A	A
Public Transportation - Roadways	A	A	A
Public Transportation - Buses/Subways	A	A	A
Public Transportation - Rail	A	A	A
Fire Protection	A	A	A
Police	A	A	A
Health Care Facilities	A	A	A
Utilities:			
Water Supply	A	A	A
Water Distribution	A	A	A
Energy Supply	A	A	A
Energy Distribution	A	A	A
Wastewater Collection	A	A	A
Wastewater Treatment	A	A	A
Storm Water Collection	A	A	A
Solid Waste Collection and Disposal	A	A	A
Hazardous/Toxic Waste Disposal	A	A	A
Recreational Activities	A	A	A

Remember to mark with an asterisk any categories which are wholly supported on-base.

2) For each rating of "C" identified in the table on the preceding page, attach a brief narrative explanation of the types and magnitude of improvements required and/or the nature of any barriers that preclude expansion.

N/A

Source of Data (2.a.1 and 2) - Local  
Community Table:

Ventura County Planning Department and  
Ventura County Economic Development  
Association

b. Table B: *Ability of the region described in the response to question 1.b. (page 3) (taken in the aggregate) to meet the needs of additional employees and their families relocating into the area.*

1) Using the A - B - C rating system described above, complete the table below.

Category	20% Increase	50% Increase	100% Increase
Off-Base Housing	A	A	A
Schools - Public	A	A	A
Schools - Private	A	A	A
Public Transportation - Roadways	A	A	A
Public Transportation - Buses/Subways	A	A	A
Public Transportation - Rail	A	A	A
Fire Protection	A	A	A
Police	A	A	A
Health Care Facilities	A	A	A
Utilities:			
Water Supply	A	A	A
Water Distribution	A	A	A
Energy Supply	A	A	A
Energy Distribution	A	A	A
Wastewater Collection	A	A	A
Wastewater Treatment	A	A	A
Storm Water Collection	A	A	A
Solid Waste Collection and Disposal	A	A	A
Hazardous/Toxic Waste Disposal	A	A	A
Recreation Facilities	A	A	A

Remember to mark with an asterisk any categories which are wholly supported on-base.

2) For each rating of "C" identified in the table on the preceding page, attach a brief narrative explanation of the types and magnitude of improvements required and/or the nature of any barriers that preclude expansion.

N/A

Source of Data (2.b.1 and 2) - Regional Table:

Ventura County Planning Department and  
Ventura County Economic Development  
Association

**3. Public Facilities Data:**

**a. Off-Base Housing Availability.** *For the counties identified in the response to question 1.b. (page 3), in the aggregate, estimate the current average vacancy rate for community housing. Use current data or information identified on the latest family housing market analysis. For each of the categories listed (rental units and units for sale), combine single family homes, condominiums, townhouses, mobile homes, etc., into a single rate:*

*Rental Units: 3.0%*

*Units for Sale: 5.0%*

**Source of Data (3.a.) - Off-Base Housing:**

U.C. Santa Barbara Economic Forecast Project as reported in *Los Angeles Times*; Family Housing Market Analysis for Naval Construction Battalion Center, Port Hueneme, and Naval Air Weapons Station, Point Mugu, of March 1992

**b. Education.**

1) Information is required on the current capacity and enrollment levels of school systems serving employees of the activity. Information should be keyed to the counties identified in the response to question 1.b. (page 3).

School District	County	Number of Schools			Enrollment		Pupil-to-Teacher Ratio		Does School District Serve Gov't Housing Units? *
		Elementary	Middle	High	Current	Max. Capacity	Current	Max. Ratio	
Mesa Union	Ventura	1	0	0	353	**	26.6	***	No
Pleasant Valley	Ventura	11	2	0	6,879	**	23.7	***	Yes
Somis Union	Ventura	1	0	0	290	**	26.4	***	No
Hueneme	Ventura	10	1	0	7,608	**	25.3	***	Yes
Ocean View	Ventura	3	1	0	2,374	**	25.0	***	Yes
Oxnard	Ventura	13	3	0	12,949	**	26.9	***	Yes
El Rio	Ventura	5	0	0	2,836	**	25.7	***	No
Ventura Unified	Ventura	17	4	5	15,409	**	25.1	***	Yes
Oxnard Union	Ventura	0	0	6	12,259	**	26.6	***	Yes
Briggs	Ventura	2	0	0	378	**	25.2	***	No
Mupu	Ventura	1	0	0	114	**	24.0	***	No
Santa Clara	Ventura	1	0	0	35	**	17.5	***	No
Santa Paula	Ventura	6	1	0	3,234	**	25.5	***	No
Santa Paula Union	Ventura	0	0	2	1,296	**	24.9	***	No
Conejo Valley Unified	Ventura	18	4	4	17,587	**	26.4	***	No
Oak Park Unified	Ventura	2	1	2	2,498	**	23.6	***	No
Simi Valley Unified	Ventura	19	4	3	18,565	**	25.2	***	No
Moorpark Unified	Ventura	5	1	2	5,960	**	24.7	***	No
Ojai Unified	Ventura	5	1	2	3,884	**	24.5	***	No
Fillmore Unified	Ventura	3	1	2	3,504	**	23.5	***	No

- \* Answer "Yes" in this column if the school district in question enrolls students who reside in government housing.
- \*\* There is no "Maximum Enrollment" mandated by state or local regulations that would limit the enrollment of an individual school district. On the contrary, public law demands that space be made available for any and all students residing within that district. Consequently it is incumbent upon the district to use leased facilities or other temporary measures to accommodate enrollment numbers that exceed the capacity of present facilities.

\*\*\* There is no mandated "Maximum Pupil-to-Teacher Ratio" at the state or local level. Some local school districts have goals that they strive to achieve in terms of Maximum Pupil-to-Teacher Ratio; however their ability to meet these goals varies with funding availability and student enrollment.

**Source of Data (3.b.1) - Education Table:**

Ventura County School District's 1991-92 Selected Pupil Enrollment and Financial Data Report, April 1993; California Department of Education, Demographics Department/California Basic Educational Data System (CBEDS), October 1993; 1993 Ventura County Statistical Abstract

*2) Are there any on-base "Section 6" Schools? If so, identify number of schools and current enrollment.*

No.

**Source of Data (3.b.2) - On-Base Schools:**

Guidance from Naval Air Warfare Center Headquarters. The definition provided for "Section 6" schools is "Elementary, middle or high schools administered by the Department of Defense Office of Dependent Education."

3) For the counties identified in the response to question 1 b. (page 3), in the aggregate, list the names of undergraduate and graduate colleges and universities which offer certificates, Associate, Bachelor or Graduate degrees:

California Institute of the Arts  
California Lutheran University  
California State University Northridge  
Moorpark Community College  
Oxnard Community College  
Pepperdine University  
St. John's College  
Southern Illinois University  
Thomas Aquinas College  
University of California, Santa Barbara Extension  
University of LaVerne  
University of Phoenix, Ventura  
University of Southern California  
Ventura College of Law  
Ventura College Pacific  
Ventura Community College  
West Coast University  
World University of America

Source of Data (3.b.3) - Colleges:

Family Service Center and GTE  
Telephone Bock

4) For the counties identified in the response to question 1.b. (page 3), in the aggregate, list the names and major curriculums of vocational/technical training schools:

Anthony Schools	License preparation for building contractor, real-estate sales, broker appraiser, and insurance. Also, continuing education and college-level courses.
Cal Pac Computing	Computers
Computer Applications Training Academy	Computers
Golden State School and Skills	Technical crafts
H&R Block	Income tax preparation
Sawyer College	Word processing and business
Watterson College Pacific	Word processing, business, and technical
Westlake Institute of Technology	Computer business applications

**Source of Data (3.b.4) - Vo-tech Training: GTE Telephone Book**

**c. Transportation.**1) *Is the activity served by public transportation?*

	<u>Yes</u>	<u>No</u>
Bus:	X*	
Rail:		X**
Subway:		X
Ferry:		X

\* Bus service began at the activity on 5 July 1994 as a demonstration project to assess the need for bus service that includes the Point Mugu site.

\*\* Passenger rail service (AMTRAK) is available to Oxnard, approximately 8 miles from the Point Mugu site. In addition, a new METROLINK commuter rail service is available to Oxnard and Camarillo (10 miles) providing connection to Los Angeles.

<b>Source of Data (3.c.1) - Transportation:</b>	Ventura County Transportation Commission
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2) *Identify the location of the nearest passenger railroad station (long distance rail service, not commuter service within a city) and the distance from the activity to the station.*

The nearest passenger rail station (AMTRAK) is located in Oxnard, California, approximately 8 miles from the Point Mugu site.

<b>Source of Data (3.c.2) - Transportation:</b>	California AMTRAK timetable and city map of Oxnard, California
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3) *Identify the name and location of the nearest commercial airport (with public carriers, e.g., USAIR, United, etc.) and the distance from the activity to the airport.*

Ventura County Airport (also known as Oxnard Airport) is located in Oxnard, California, 10 miles from the Point Mugu site.

<b>Source of Data (3.c.3) - Transportation:</b>	City map and guide of Oxnard, California
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4) *How many carriers are available at this airport?*

Three scheduled carriers are available at Oxnard Airport: American Eagle (American Airlines), Sky West (Delta Airlines), and United Express (United Airlines).

<b>Source of Data (3.c.4) - Transportation:</b>	Ventura County Airport, Oxnard, California
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5) *What is the Interstate route number and distance, in miles, from the activity to the nearest Interstate highway?*

Interstate 10: 40 miles  
Interstate 405: 46 miles  
Interstate 5: 57 miles

Note: U.S. Highway 101, a four- to eight-lane divided arterial highway, passes within 7 miles of the Point Mugu site. The connector road is a two-lane road, level of service "A." California State Highway 1 passes directly adjacent to the Point Mugu site.

<b>Source of Data (3.c.5) - Transportation:</b>	AAA map of California
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6) Access to Base:

a) *Describe the quality and capacity of the road systems providing access to the base, specifically during peak periods. (Include both information on the area surrounding the base and information on access to the base, e.g., numbers of gates, congestion problems, etc.).*

Las Posas Road, Arnold Road, and Wood Road are all in good physical condition. At present the level of service for all roads entering the site is "A." All access roads have been identified and reported to the Military Traffic Management Command as part of the Highways for National Defense Program.

b) *Do access roads transit residential neighborhoods?*

No.

c) *Are there any easements that preclude expansion of the access road system?*

No.

d) *Are there any man-made barriers that inhibit traffic flow (e.g., draw bridges, etc.)?*

No man-made barriers. The only restrictions to the flow of traffic are the security gates at the entrances to the base.

<b>Source of Data (3.c.6) - Transportation:</b>	Ventura County Transportation Commission; Items b, c, and d by visual inspection
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**d. Fire Protection/Hazardous Materials Incidents.** *Does the activity have an agreement with the local community for fire protection or hazardous materials incidents? Explain the nature of the agreement and identify the provider of the service.*

**Fire Protection:** The Point Mugu site has a Mutual Aid Agreement with the Ventura County Fire Protection District. The District provides one-third of the equipment and manpower for protection of the structures aboard the Point Mugu site. The Navy covers the remaining two-thirds of the requirement. In addition, the District provides emergency fire protection response for 326 units located in the Camarillo housing complex and for four two-story and one three-story office structures located at the Camarillo Airport.

In return, the Point Mugu site provides one engine and crew to the Ventura County Fire Protection District as part of a team responding to Ventura, Santa Barbara, Kern, and Los Angeles Counties. In addition, the Point Mugu site Fire Department responds automatically to any emergency (fire, medical, crash, etc.) within an 18-square-mile area adjacent to the site.

In addition to the above, the Point Mugu site has Mutual Aid Agreements with the cities of Oxnard and Ventura, the Ventura County Fire Protection District; the State of California for California State Hospital; and the Naval Construction Battalion Center at Port Hueneme. These Mutual Aid Agreements are for assistance in emergencies on an "as available" basis.

**Hazardous Material Incidents:** The Naval Air Weapons Station Point Mugu Fire Department Hazardous Materials Team will assume primary responsibility for hazardous materials incidents that occur at Point Mugu. HAZMAT teams from local fire departments will respond to spills as needed under the Mutual Aid Agreement.

**Source of Data (3.d.) - Fire/HAZMAT:**

(1) Naval Air Weapons Station, Point Mugu, Fire Department Chief; (2) Agreement with Camarillo State Hospital, dated 8 May 1962; (3) Mutual Agreement with Commanding Officer, NCBC Port Hueneme, dated 1 Nov 1961; (4) Mutual Aid Agreement with the City of Oxnard, California, dated 8 Sept 1986; (5) Mutual Aid Agreement with the City of Ventura, California, dated 1 Jan 1986; (6) Mutual Aid Agreement with Ventura County Fire Protection District, dated 4 Feb 1986; (7) Verbal agreement with the Ventura County Fire Department

**e. Police Protection.**

1) *What is the level of legislative jurisdiction held by the installation?*

Exclusive jurisdiction for main installation and proprietary jurisdiction for the Camarillo housing complex located in the City of Camarillo.

2) *If there is more than one level of legislative jurisdiction for installation property, provide a brief narrative description of the areas covered by each level of legislative jurisdiction and whether there are separate agreements for local law enforcement protection.*

The Point Mugu main site (including the Naval Construction Battalion Center rifle range, Laguna Peak, and Naval Air Warfare Center Weapons Division facilities located at Camarillo Airport) falls in the area of exclusive jurisdiction, and all police service and criminal law enforcement is provided by the Navy. The Camarillo housing area is a U.S. Navy housing area roughly bordered by a chain-link fence and housing units along Las Posas Road on the north, Calle La Cumbre on the east and south, and Camino Madera on the west. The U.S. Navy has only a proprietary interest in the dwelling units, land, roads, signs, community center, mini-market, tennis courts, cable relay station, etc., within the actual boundaries of this housing area. The City of Camarillo has the normal full emergency response and police investigative functions for vehicle code and criminal law enforcement in the housing area. To provide a security presence, protection of property, and parking enforcement, the U.S. Navy currently provides an armed contract security officer to patrol the area between the hours of 2200 and 0600 daily. This security officer is not a sworn peace officer.

3) *Does the activity have a specific written agreement with local law enforcement concerning the provision of local police protection?*

Yes, Camarillo Police Department.

4) *If agreements exist with more than one local law enforcement entity, provide a brief narrative description of whom the agreement is with and what services are covered.*

N/A.

5) *If military law enforcement officials are routinely augmented by officials of other federal agencies (BLM, Forest Service, etc.), identify any written agreements covering such services and briefly describe the level of support received.*

N/A. Navy law enforcement is augmented by an on-board Navy auxiliary security force. In the event of a terrorist act, jurisdiction would pass to the Department of Justice as per existing instructions.

**Source of Data (3.e.1 - 5) - Police:**

Naval Air Weapons Station, Point Mugu,  
Security Department

**f. Utilities.**

1) *Does the activity have an agreement with the local community for water, refuse disposal, power or any other utility requirements? Explain the nature of the agreement and identify the provider of the service.*

The Point Mugu site has agreements with the local community for the following utility requirements:

<u>Nature of agreement</u>	<u>Provider of Service</u>
Electric	Southern California Edison
Natural gas	Southern California Gas Co.
Water	
Main Base	United Water Conservation District
Capehart III	Calleguas Municipal Water District
Camarillo Airport	County of Ventura Dept. of Airports
Sanitary Sewage	
Main Base	City of Oxnard
Capehart III	City of Camarillo
Camarillo Airport	County of Ventura Dept. of Airports
Telephone	
Dial tone and long distance	American Telephone and Telegraph
Cellular telephone service	Pacific Telephone Cellular, Cellular One

2) *Has the activity been subject to water rationing or interruption of delivery during the last five years? If so, identify time period during which rationing existed and the restrictions imposed. Were activity operations affected by these situations? If so, explain extent of impact.*

No, the activity has not been subject to water rationing or interruption of delivery during the last five years.

3) *Has the activity been subject to any other significant disruptions in utility service, e.g., electrical "brown outs", "rolling black outs", etc., during the last five years? If so, identify time period(s) covered and extent/nature of restrictions/disruption. Were activity operations affected by these situations? If so, explain extent of impact.*

No, the activity has not been subject to any other significant disruptions in utility service during the last five years.

**Source of Data (3.f. 1 - 3) Utilities:**

Public Works Utilities Management  
Branch, Utilities Division

4. **Business Profile.** List the top ten employers in the geographic area defined by your response to question 1.b. (page 3), taken in the aggregate, (include your activity, if appropriate):

Employer	Product/Service	Number of Employees
1. Naval Construction Battalion Center	Military	7,581
2. Naval Air Warfare Center Weapons Division, Point Mugu site	Military	6,987*
3. County of Ventura	Government	6,788
4. GTE California, Inc.	Telephone services	2,785
5. Naval Surface Warfare Center	Military	2,304
6. AMGEN	Pharmaceutical	2,100
7. Bugle Boy Industries, Inc.	Clothing	2,000
8. Ventura County Community Colleges	Education	1,800
9. St. John's Regional Medical Center	Hospitals	1,300
10. Ventura County Medical Center	Hospitals	1,100

\* Includes all NAWCWPNS employees plus tenants.

**Source of Data (4.) - Business Profile:**

Ventura County Economic Development Association; NAWCWPNS Human Resources Department

**5. Other Socio-Economic Impacts.** *For each of the following areas, describe other recent (past 5 years), on-going or projected economic impacts (both positive and negative) on the geographic region defined by your response to question 1.b. (page 3), in the aggregate:*

**a. Loss of Major Employers:**

In Ventura County, total wage and salary job creation has shown no signs of a rebound in 1994. The April establishment survey reported wage and salary jobs down 3,100 from a year ago. This marks the fourth consecutive year that job opportunities have contracted in Ventura County.

The total non-farm job loss from 1990 to 1994 is 6,600, or 3%. The principal sectors that have been heaviest hit by downsizing and firm departure are construction (5,100 jobs), durable manufacturing (3,000 jobs), and retail trade (4,700 jobs). The job decline in Ventura County is modest compared to other Southern California counties, especially Los Angeles, Orange, and Santa Barbara Counties. Farm employment in Ventura County has increased by 2,000 wage and salary workers since 1990, but in the last 12 months the sector has contracted by 900 jobs.

There are many reasons for the continuing stagnant economic conditions in Southern California including Ventura County. The most significant reason is the loss of manufacturing jobs and the contraction of the industrial sector in general. High-technology manufacturing is the second-highest-paying industry and one of the most powerful engines of wealth creation in the County. The sector has been in steady decline since the late 1980s. Recently, the defection by aerospace and other durable manufacturing firms from California has accelerated. If much of the restructuring and downsizing in this industry is completed or nearly completed by the end of 1994, the negative momentum on Ventura County's economy would then subside over the next 12 months. However, a large number of previously highly paid technology workers are now unemployed and under-employed residents in the County.

**b. Introduction of New Businesses/Technologies:**

Technicolors, Inc., recently located in Camarillo, California. This firm employs 1,000 people.

Guardian Products employs 360 people. This is a manufacturer of ambulatory aids and medical devices.

Warner Electra Atlantic, a distributor of compact disks and cassette tapes, is planning to move into a new company space in August 1994.

A study is currently being conducted regarding the joint commercial/military use of the Point Mugu site airfield. Although it would seem unlikely that civilian service could be provided within the next few years, if such service is feasible and if the County desires increased air carrier service, many jobs could be created with the projected 1994 carrier service at 1.2 million air passengers per year. The county would also benefit from associated tourism revenue.

The Los Angeles Postal Distribution Center will relocate to Valencia, approximately 10 miles from the eastern border of Ventura County. It is reasonable to assume that workers will commute to this site from the geographic region. Plans are before Los Angeles County officials for Newhall Ranch, a 70,000-resident community ranch in East Ventura County. Many workers from the postal site may choose to reside at this Ranch.

The Naval Construction Battalion Center, Port Hueneme, has been named a National Test Site (NTS) for environmental cleanup of sites identified under the Department of Defense Installation

Restoration Program. Innovative new technologies for cleanup could provide positive economic benefit as yet to be determined. Point Mugu is under consideration for this program for the cleanup of heavy metals as well, but has not been named as a NTS.

**c. Natural Disasters:**

1) Major brush fires occurred during the period 20 October through 7 November 1993. A compilation of the losses from the Green Meadow, Steckel, and Wheeler fires in Ventura County is as follows:

- 66,302 acres burned
- 83 structures destroyed
- Cost of 3,122 personnel to fight the fires
- Estimated damage \$13 million
- Cleanup costs \$10 million
- Only minimal damages to on-base facilities

2) The Northridge earthquake occurred 17 January 1994, and subsequent aftershocks occurred. Total property damage in Ventura County is estimated at \$150 million. Only \$192,000 in damages occurred to on-base facilities.

3) Flood damage caused by winter storms and conditions created by fall brush fires for Ventura County was \$576,681 for the period October 1993 through April 1994. There was no damage to on-base facilities.

**d. Overall Economic Trends:**

The following figures represent January 1994 through June 1994 economic trends.

	<u>Level</u>	<u>Trend</u>
Population	708,200	+1.3%
Employment	251,500	-1.0%
Unemployment Rate	6.4%	-1.4% (rate down)
Building Permits (single family)	387	+24.4%
Value of Res. Permits	\$95.1M	+16.2%
Inflation (Southern California)	0.9%	-1.9% (down)
Housing Vacancy	5.0%	+0.2%

**Source of Data (5.) - Other Socio/Econ:**

Southern California Association of Governments first-draft *Feasibility Study, Joint Use Investigative Committee*, dated 18 May 1994; Ventura County Offices of Emergency Services; USCB *Economic Outlook*, June 1994, UCSB Economic Forecast Project, dated 20 June 1994

**6. Other.** *Identify any contributions of your activity to the local community not discussed elsewhere in this response.*

Financial.

- NAWCWPNS civilian and military payroll is approximately \$264 million.
- Contracts to locally addressed business (Ventura County zip codes) total approximately \$46.2 million.
- Cumulative total contracts, including modifications and delivery orders, total approximately \$337.8 million. An additional \$8.4 million is expended through the bank card program. Purchase orders total \$19.9 million, and purchase order modifications are estimated to be \$49,000, all representing a total of \$366.1 million.
- Point Mugu, through its major claimant, the Naval Air Systems Command, paid 19% of the dredging costs of Channel Islands Harbor (\$681,000 in 1993).
- The State of California realizes an annual savings of approximately \$4 million because of the Navy's environmental program for management of endangered species and the 2,500 acres of salt marsh at Point Mugu. This salt marsh is one of the most significant remaining wetlands in Southern California.
- The State of California realizes a savings because the California Air National Guard uses the Point Mugu airfield. Additionally, the Guard contributes 240 regular jobs to the local economy. An additional direct benefit is the availability of fire-fighting air tankers for the Southern California region.
- The Navy provides air traffic control for the entire Oxnard Plain and the northwest sector of Los Angeles International Airport approach.
- Point Mugu employees contributed more than \$350,000 to the 1993-1994 Combined Federal Campaign.
- Each year, Point Mugu hosts an air show that is one of five major military air shows in California. Estimates of attendance have been as high as 230,000 people, and the Navy's flight demonstration team (Blue Angels) have been regular participants. This show results in increased local retail sales and tourism, as well as \$39,000 in revenue to local non-profit organizations conducting sales at the most recent show.
- The Point Mugu site's recycling program has defrayed landfill costs to the County by reducing tonnage by 1,036 tons through a model waste-stream-management effort. Total landfill cost avoidance during 1993 alone was \$142,000.
- Mutual aid agreements between the Navy at Point Mugu and various local governments provide fire department, military working dogs, and explosive ordnance disposal services for Ventura County. Naval Criminal Investigative Service support is also available to local law enforcement agencies.

Community Relations.

- Point Mugu personnel provided 33 tours during the last year of Point Mugu Watchable Wildlife for Audubon Society groups, bird study groups, local schools, National Park Service employees, U.S. Army Corps of Engineer employees, and civic organizations.
- Six tours of San Nicolas Island watchable wildlife were provided last year for charitable and civic groups.
- Fifty tours of Point Mugu facilities were provided in the last year to local schools, scouting organizations, and charitable and civic organizations.
- Point Mugu employees volunteer for community fire- and crime-prevention programs. The Security Department recently sponsored a "Night Out Against Crime" child registry.
- Point Mugu has a Partnership in Excellence tutor/mentor program with Laguna Vista and Somis Union School District.
- Local tenants are involved in several community programs. For example, Antarctic Development Squadron Six (VXE-6) has a partnership with Monte Vista School, a Renaissance School member. A Navy Exchange Partnership also exists with the Ocean View School.
- Point Mugu provided recreational facilities for over 300 children in the Drug Abuse Resistance Education (DARE) program.
- Last year 324 station employees participated in blood drives.
- Science fairs and science challenges are hosted annually at Point Mugu, whereby engineering personnel work with local area high school students to motivate engineering studies.
- The Point Mugu Speakers' Bureau has 50 active members, who gave 39 presentations in the local community during 1993.
- The Family Service Center provided 214 gift baskets to needy military families.
- The annual Toys for Tots program provided donations to local needy children through the Marine Aviation Detachment at Point Mugu.
- After the Northridge earthquake, Point Mugu personnel provided 3,000 pounds of donations and related logistical support for much-needed food and supplies to victims in the Fillmore community through a local church. One hundred twenty Point Mugu volunteers participated through staff support to the Federal Emergency Management Agency, totaling \$259,100 of labor support.
- Point Mugu site employees participated in cleanup of the Mugu Lagoon in support of the California Coastal Cleanup and Earth Day activities.
- Numerous sporting events, such as runs, bike races, and triathlons, are conducted at Point Mugu for charitable groups, such as the March of Dimes, Muscular Dystrophy Association, Multiple Sclerosis, and others.

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COMMUNITY**

BRAC DATA CALL #65

ACTIVITY UIC: N63126

- Approximately 1,500 visitors from special needs and handicap organizations participate in the Point Mugu air show. These include Make-a-Wish Foundation, Oxnard Mental Health Group, Ventura County Seniors Group, and others.
- Youth scouting programs are hosted at the Point Mugu site, involving more than 1,600 scouting members and their escorts. Recreational and educational opportunities are provided and on-base facilities are used.
- The Math, Engineering and Science Aptitude (MESA) Program provides five tutors for Oxnard High School students. These tutors participate in a 6-week on-site program to provide geophysics and communications engineering experience to school students. Judging support is also provided at MESA events at the schools.
- The Hispanic Employment Program (HEP) provides funding for graduation activities at local schools. A Hispanic professional is also available to provide inspirational lectures to local school children.

**Source of Data (6.) - Other:**

Local records; news articles

13034  
C0014/031  
29 Jun 94

MEMORANDUM

From: Commander, Naval Air Warfare Center Weapons Division  
To: Vice Commander, Naval Air Warfare Center Weapons Division

Subj: DELEGATION OF AUTHORITY

Ref: (a) SECNAV Note 1100 of 8 Dec 93 on Base Closure and  
Realignment  
(b) CNO ltr 11000 Ser N441/4U594665 of 17 Jun 94  
(c) CNO ltr 11000 Ser N441C1/4U594672 of 23 Jun 94

1. Reference (a) requires the Commander of a Navy Activity to provide signed certification that the information provided to the Secretary of Defense concerning the realignment or closure of a military installation "is accurate and complete to the best of his knowledge and belief." By references (b) and (c), OPNAV forwarded Base Realignment and Closure Data Call #65 on Economic/Community Infrastructure and Data Call #66 on Installation Resources, to military activities for completion and submittal back to OPNAV.

2. During the period 5 to 14 July 1994, I will be on Temporary Duty and Captain Roger Hull will be serving as Acting Commander of Naval Air Warfare Center Weapons Division (NAWCWPNS). It is expected that the completion of the information requested by references (b) and (c) will be ready for official certification during this time period. Therefore, you are hereby delegated authority to sign the certification of the BRAC information requested in reference (b), as Acting Commander, NAWCWPNS.

  
D. B. McKINNEY

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DATA CALL #65  
NAWCWD  
POINT MUGU

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

W. E. NEWMAN, RADM, USN  
NAME (Please type or print)  
COMMANDER  
Title  
NAVAL AIR WARFARE CENTER  
Activity

W E Newman  
Signature  
7/12/94  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

\_\_\_\_\_  
NAME (Please type or print)  
\_\_\_\_\_  
Title  
\_\_\_\_\_  
Activity

\_\_\_\_\_  
Signature  
\_\_\_\_\_  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

DONALD V. BOECKER, RADM USN  
~~XXXXXXXXXXXXXXXXXXXXXXXXXXXX~~  
W. C. DOWES, VADM, USN  
NAME (Please type or print)  
COMMANDER (ACTING)  
Title

Donald V. Boecker  
Signature  
2 Aug 94  
Date

NAVAL AIR SYSTEMS COMMAND  
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

**DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)  
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)**

W. A. EARNER  
NAME (Please type or print)  
\_\_\_\_\_  
Title

W A Earner  
Signature  
8/10/94  
Date

BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, Uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

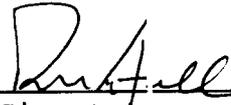
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in you activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

R. K. Hull, CAPT, USN  
Name (Please type or print)

  
Signature

Acting Commander  
Title

13 July 1994  
Date

Naval Air Warfare Center Weapons Division Point Mugu  
Activity

#65, "Economic/Community Infrastructure"  
Data Call

**DATA CALL 66  
INSTALLATION RESOURCES**

**Activity Information:**

Activity	Naval Air Warfare Center Weapons Division, Point Mugu site
UIC:	N63126
Host Activity Name (if response is for a tenant activity):	
Host Activity UIC:	

**General Instructions/Background.** A separate response to this data call must be completed for each Department of the Navy (DON) host, independent and tenant activity which separately budgets BOS costs (regardless of appropriation), and is located in the United States, its territories or possessions.

**1. Base Operating Support (BOS) Cost Data.** Data is required which captures the total annual cost of operating and maintaining Department of the Navy (DON) shore installations. Information must reflect FY 1996 budget data supporting the FY 1996 NAVCOMPT Budget Submit. Two tables are provided. Table 1A identifies "Other than DBOF Overhead" BOS costs and Table 1B identifies "DBOF Overhead" BOS costs. These tables must be completed, as appropriate, for all DON host, independent or tenant activities which separately budget BOS costs (regardless of appropriation), and are located in the United States, its territories or possessions. Responses for DBOF activities may need to include both Table 1A and 1B to ensure that all BOS costs, including those incurred by the activity in support of tenants, are identified. If both Table 1A and 1B are submitted for a single DON activity, please ensure that no data is double counted (that is, included on both Table 1A and 1B). The following tables are designed to collect all BOS costs currently budgeted, regardless of appropriation, e.g., Operations and Maintenance, Research and Development, Military Personnel, etc. Data must reflect FY 1996 and should be reported in thousands of dollars.

**a. Table 1A - Base Operating Support Costs (Other Than DBOF Overhead).** This Table should be completed to identify "Other Than DBOF Overhead" Costs. Display, in the format shown on the table, the O&M, R&D and MPN resources currently budgeted for BOS services. O&M cost data must be consistent with data provided on the BS-1 exhibit. Report only direct funding for the activity. Host activities should not include reimbursable support provided to tenants, since tenants will be separately reporting these costs. Military personnel costs should be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Add additional lines to the table (following line 2j., as necessary, to identify any additional cost elements not currently shown). Leave shaded areas of table blank.

Table 1A. Base Operating Support Costs (Other than DBOF Overhead).

Activity Name: NAWCWPNS POINT MUGU		UIC: N63126		
Category	FY 1996 BOS Ccsts (\$000)			
	Non-Labor	Labor	Total	
<b>1. Real Property Maintenance Costs:</b>				
1a. Maintenance and Repair	3,980	555	4,535	
1b. Minor Construction	500	4	504	
1c. Subtotal 1a. and 1b.	4,480	559	5,039	
<b>2. Other Base Operating Support Costs:</b>				
2a. Utilities	2,128	0	2,128	
2b. Transportation	48	2	50	
2c. Environmental	81	453	539	
2d. Facility Leases	0	0	0	
2e. Morale, Welfare & Recreation	972	763	1,740	
2f. Bachelor Quarters	657	281	938	
2g. Child Care Centers	319	704	1,023	
2h. Family Service Centers	177	86	263	
2i. Administration	105	212	317	
2j. Other (Tenant support, Chaplain, Drug/Alcohol programs, Legal, & Patent, etc.)	4,053	2,229	6,282	
2k. Subtotal 2a. through 2j:	8,540	4,740	13,280	
<b>3. Grand Total (sum of 1c and 2k.):</b>	13,020	5,290	18,319	

b. **Funding Source.** *If data shown on Table 1A reflects more than one appropriation, then please break out of the total shown for the "3. Grand-Total" line, by appropriation:*

AppropriationAmount (\$000)

c. **Table 1B - Base Operating Support Costs (DBOF Overhead).** This Table should be submitted for all current DBOF activities. Costs reported should reflect BOS costs supporting the DBOF activity itself (usually included in the G&A cost of the activity). For DBOF activities which are tenants on another installation, total cost of BOS incurred by the tenant activity for itself should be shown on this table. It is recognized that differences exist among DBOF activity groups regarding the costing of base operating support: some groups reflect all such costs only in general and administrative (G&A), while others spread them between G&A and production overhead. Regardless of the costing process, all such costs should be included on Table 1B. The Minor Construction portion of the FY-1996 capital budget should be included on the appropriate line. Military personnel costs (at civilian equivalency rates) should also be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Also ensure that there is no duplication between data provided on Table 1A and 1B. These two tables must be mutually exclusive, since in those cases where both tables are submitted for an activity, the two tables will be added together to estimate total BOS costs at the activity. Add additional lines to the table (following line 2l., as necessary to identify any additional cost elements not currently shown). Leave shaded areas of table blank.

**Other Notes:** All costs of operating the five Major Range Test Facility Bases at DBOF activities (even if direct RDT&E funded) should be included on Table 1B. Weapon Stations should include underutilized plant capacity costs as a DBOF overhead "BOS expense" on Table 1B.

Table 1B. Base Operating Support Costs (DBOF Overhead).

Activity Name: NAWCWPNS POINT MUGU		UIC: N63126		
Category	FY 1996 Net Cost from UC/FUND-4 (\$000)			
	Non-Labor	Labor	Total	
<b>1. Real Property Maintenance Costs:</b>				
1a. Real Property Maintenance (>\$25K) <sup>1</sup>	2,102	1,364	3,966	
1b. Real Property Maintenance (<\$25K) <sup>1</sup>	5,147	4,565	9,712	
1c. Minor Construction (Expensed)	0	0	0	
1d. Minor Construction (Capital Budget)	1,503	0	1,503 <sup>2</sup>	
1e. Subtotal 1a. through 1d.	7,249	6,429	13,678	
<b>2. Other Base Operating Support Costs:</b>				
2a. Command Office	460	408	868 <sup>3</sup>	
2b. ADP Support	5,564	4,934	10,498	
2c. Equipment Maintenance	113	100	213	

<sup>1</sup>Items 1a and 1b dollar thresholds were changed from 15K to 25K due to the A-11 budget guidance per NAVAIRSYSCOM ltr 7111 Ser AIR-8021H/152 of 20 Apr 94

<sup>2</sup>Item 1d (non-add) is not part of UC/FUND-4 total, included in CPP budget submission

<sup>3</sup>Command Office includes costs of staff functions in support of the command operation.

Table 1B. Base Operating Support Costs (DBOF Overhead) (Cont'd).

Activity Name: NAWCWPNS POINT MUGU		UIC: N63126		
Category	FY 1996 Net Cost from UC/FUND-4 (\$000)			
	Non-Labor	Labor	Total	
2d. Civilian Personnel Services	1,922	1,704	3,626	
2e. Accounting/Finance	1,824	1,517	3,441	
2f. Utilities	9,672	0	9,672	
2g. Environmental Compliance	1,581	1,402	2,983	
2h. Police and Fire	2,196	6,587	8,783	
2i. Safety	0	0	0 <sup>4</sup>	
2j. Supply and Storage Operations	4,662	4,134	8,796	
2k. Major Range Test Facility Base Costs	0	0	0 <sup>5</sup>	
2l. Other (Specify)				
Military Personnel	0	1,252	1,252	
Printing & Duplication	538	0	538	
Travel & Training	1,033	916	1,949	
Janitorial	1,569	0	1,569	
Audio/Visual	0	0	0	
Headquarters	728	0	728	
Research and Development	1,743	1,546	3,289	
Test and Evaluation	895	793	1,688	
Other Administrative Support	4,635	4,110	8,745	
Base Consolidation (BRAC Office)	16	14	30	
Base Communication (Center Telecom)	137	0	137	
Public Works Support	6,138	5,443	11,581	
2m. Subtotal 2a. through 2l.	45,426	34,960	80,386 <sup>6</sup>	
<b>3. Depreciation</b>	11,350	0	11,350	
<b>4. Grand Total (sum of 1e., 2m., and 3.):</b>	64,205	41,479	105,414	

<sup>4</sup>Safety costs were included as part of 2h in keeping with the format of UC/FUND-4. Safety costs are \$975K (labor) and \$95K (non-labor).

<sup>5</sup>MRTFB costs are included in other lines.

<sup>6</sup>Since FECA and B&P/MSI costs are not part of base operations they are not included. They do appear on the UC/FUND-4, FECA = \$3,772K, B&P/MSI = \$3,596K.

**2. Services/Supplies Cost Data.** *The purpose of Table 2 is to provide information about projected FY 1996 costs for the purchase of services and supplies by the activity. (Note: Unlike Question 1 and Tables 1A and 1B, above, this question is not limited to overhead costs.) The source for this information, where possible, should be either the NAVCOMPT OP-32 Budget Exhibit for O&M activities or the NAVCOMPT UC/FUND-1/IF-4 exhibit for DBOF activities. Information must reflect FY 1996 budget data supporting the FY 1996 NAVCOMPT Budget Submit. Break out cost data by the major sub-headings identified on the OP-32 or UC/FUND-1/IF-4 exhibit, disregarding the sub-headings on the exhibit which apply to civilian and military salary costs and depreciation. Please note that while the OP-32 exhibit aggregates information by budget activity, this data call requests OP-32 data for the activity responding to the data call. Refer to NAVCOMPTINST 7102.2B of 23 April 1990, Subj: Guidance for the Preparation, Submission and Review of the Department of the Navy (DON) Budget Estimates (DON Budget Guidance Manual) with Changes 1 and 2 for more information on categories of costs identified. Any rows that do not apply to your activity may be left blank. However, totals reported should reflect all costs, exclusive of salary and depreciation.*

Table 2. Services/Supplies Cost Data.

Activity Name: NAWCWPNS POINT MUGU	UIC: N63126
Cost Category	FY 1996 Projected Costs (\$000)
Travel:	14,972
Material and Supplies (including equipment):	82,886
Industrial Fund Purchases (other DBOF purchases):	50,777
Transportation: <sup>1</sup>	827
Other Purchases (Contract support, etc.):	220,735
<b>Total:</b>	<b>370,197</b>

<sup>1</sup>Transportation costs are for movement of goods. Transportation costs as they pertain to the vehicle fleet are spread to users and are covered in various other line items.

**3. Contractor Workyears.**

**a. On-Base Contract Workyear Table.** *Provide a projected estimate of the number of contract workyears expected to be performed "on base" in support of the installation during FY 1996. Information should represent an annual estimate on a full-time equivalency basis. Several categories of contract support have been identified in the table below. While some of the categories are self-explanatory, please note that the category "mission support" entails management support, labor service and other mission support contracting efforts, e.g., aircraft maintenance, RDT&E support, technical services in support of aircraft and ships, etc.*

Table 3. Contract Workyears.

Activity Name: NAWCWPNS POINT MUGU	UIC: N63126
Contract Type	FY 1996 Estimated Number of Workyears On-Base
Construction:	156.0
Facilities Support:	142.0
Mission Support:	1074.0
Procurement:	0
Other*	0
Total Workyears:	1372.0

\*NOTE: Provide a brief narrative description of the type(s) of contracts, if any, included under the "Other" category.

**b. Potential Disposition of On-Base Contract Workyears.** *If the mission/functions of your activity were relocated to another site, what would be the anticipated disposition of the on-base contract workyears identified in Table 3.?*

1) Estimated number of contract workyears which would be transferred to the receiving site. *(This number should reflect the number of jobs which would in the future be contracted for at the receiving site, not an estimate of the number of people who would move or an indication that work would necessarily be done by the same contractor(s)):*

1241.0

2) Estimated number of workyears which would be eliminated:

131.0

3) Estimated number of contract workyears which would remain in place (i.e., contract would remain in place in current location even if activity were relocated outside of the local area):

0

168 Rev.

c. "Off-Base" Contract Workyear Data. Are there any contract workyears located in the local community, but not on-base, which would either be eliminated or relocated if your activity were to be closed or relocated? If so, then provide the following information (ensure that numbers reported below do not double count numbers included in 3.a. and 3.b., above):

No. of Additional Contract Workyears Which Would Be Eliminated	General Type of Work Performed on Contract (e.g., engineering support, technical services, e.c.)
7.4	Engineering, software, logistics, technical support, configuration and data management, and test and evaluation support

No. of Additional Contract Workyears Which Would Be Relocated	General Type of Work Performed on Contract (e.g., engineering support, technical services, e.c.)
741.0	Engineering, software, logistics, technical support, configuration and data management, test and evaluation support, architect services, and environmental consultation

c. "Off-Base" Contract Workyear Data. Are there any contract workyears located in the local community, but not on-base, which would either be eliminated or relocated if your activity were to be closed or relocated? If so, then provide the following information (ensure that numbers reported below do not double count numbers included in 3.a. and 3.b., above):

No. of Additional Contract Workyears Which Would Be Eliminated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
7.4	Engineering, software, logistics, technical support, configuration and data management, and test and evaluation support

No. of Additional Contract Workyears Which Would Be Relocated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
841.9	Engineering, software, logistics, technical support, configuration and data management, test and evaluation support, architect services, and environmental consultation

DATA CALL 66  
NAWCWD  
POINT MUGU

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

W. E. NEWMAN, RADM, USN  
NAME (Please type or print)  
COMMANDER  
Title  
NAVAL AIR WARFARE CENTER  
Activity

W E Newman  
Signature  
7/18/94 WEN  
Date  
8/24/94

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

\_\_\_\_\_  
NAME (Please type or print)  
\_\_\_\_\_  
Title  
\_\_\_\_\_  
Activity

\_\_\_\_\_  
Signature  
\_\_\_\_\_  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

W. C. BOWES, VADM, USN  
NAME (Please type or print)  
COMMANDER  
Title  
NAVAL AIR SYSTEMS COMMAND  
Activity

W C Bowes  
Signature  
22 AUG 94  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

**DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)  
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)**

W. A. EARNER  
NAME (Please type or print)  
\_\_\_\_\_  
Title

W A Earner  
Signature  
8/11/94  
Date

BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, Uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

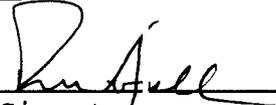
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I certify the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

R. K. Hull, CAPT, USN  
Name (Please type or print)

  
Signature

Acting Commander  
Title

7 July 1994  
Date

Naval Air Warfare Center Weapons Division Point Mugu  
Activity

#66, "Installation Resources"  
Data Call



BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

*In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, Uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."*

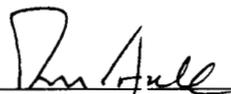
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I certify the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

Roger K. Hull, CAPT, USN  
Name (Please type or print)

  
Signature

Acting Commander  
Title

16 Sept '94  
Date

Naval Air Warfare Center Weapons Division Point Mugu Site  
Activity

Data Call #66 Revision of 15 September 1994

**CAPACITY ANALYSIS:  
DATA CALL #4 WORKSHEET FOR TECHNICAL CENTER or  
LABORATORY: NAVAL AIR WARFARE CENTER, POINT MUGU**

**CONTENTS**

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Tab A: Ship Berthing Capacity.....55

Tab B: Operational Airfield Capacity.....63

Tab C: Depot Level Maintenance Capacity .....87

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\*\*\*\*\**If any responses are classified, attach a separate classified annex.*\*\*\*\*\*

BRAC 95 DATA CALL #4

**FOR OFFICIAL USE ONLY**  
**CAPACITY**

May 6, 1994 1:40 AM  
ACTIVITY UIC: 63126

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2  
**FOR OFFICIAL USE ONLY**

BRAC 95 DATA CALL #4

**FOR OFFICIAL USE ONLY**  
**CAPACITY**

ACTIVITY UIC: 63126

**1. Historical and Projected Workload.** Use Tables 1.1, 1.2, 1.3 & 1.4 below to provide historical and currently projected workload data for your activity in terms of funding and workyears. Assume previous BRAC closures and realignments are implemented on schedule. Dollar amounts should be in then-year dollars. Workyears should be separated for in-house government efforts and on-site contractor work.

a. Use Table 1.1 to provide data on your site.

b. Use Table 1.2 to provide data on your Detachments that did not receive this Data Call directly. Compile the information from all of these Detachments into one table. Attach a list of the titles & UICs of the Detachments included in the table.

c. For FY's 1993 through 1997 provide a breakout of the "Total Funds Budgeted" line showing the appropriation and amounts of funding budgeted from your major customers. Major resource Sponsors are defined as, but not limited to, all systems commands, ONR, SSPO, CNO, FLT CINCs, Other DON, Other DOD by Department, Other Federal Government, All other. Use Table 1.3 to report this breakout for your site. Use Table 1.4 to report this breakout for your compiled Detachments that did not receive this Data Call directly. Provide separate tables for FY's 1993 through 1997.

Use the following definitions when providing data for the tables below:

Workyears: Consistent with those used in the preparation of inputs to the President's budget.

In-House government efforts or In-House workyears: Includes both military and civil servant employees

On-Site Contractor workyears: Actual or estimated workyears performed by support contractors with workyears defined consistent with the definition used in the President's budget.

On-site Contractors: Those contractors that occupy space directly on the site on nearly a full time basis.

Total Funds Budgeted: The funds used as inputs to the President's Budget.

Civilian Personnel On-Board: Full Time Permanent employees (FTP).

**FOR OFFICIAL USE ONLY**  
**CAPACITY**

BRAC 95 DATA CALL #4

ACTIVITY UIC: 63126

Table 1.1. Historical and Projected Workload for NAWCWPNS Point Mugu  
 (UIC: N63126)

Fiscal Year	Total Funds Budgeted (\$K)	Total Funds Received w/o Direct Cite (\$K)	Direct Cite Funds Received (\$K)	Budgeted Wkys	Actual In-House Wkys	Actual On-Site Contract Wkys
86	489,000	385,000	104,000	5,279	5,788	2,200
87	434,200	426,000	131,200	5,661	5,778	2,210
88	589,000	506,000	141,000	5,707	5,919	2,391
89	696,000	544,000	116,000	5,584	5,892	2,350
90	680,000	598,000	112,000	5,761	5,973	2,362
91	678,000	650,000	116,000	5,710	5,926	2,390
92	712,100	659,500	128,700	5,969	5,838	2,341
93	736,700	670,900	145,200	5,138	5,173	2,136
94	813,672*			4,718		
95	803,066**			4,402		
96	769,899#			4,242		
97	749,031^			4,098		

Notes:

1. Total Funds Budgeted include Direct Cite in all years. For FY86-93, it is equivalent to Direct Cite Funds Received. Estimate for outyears is FY-94-\$47,710; FY95-\$147,532; FY96-\$141,439 and FY97, 137,539.
2. FY92 Funds received without Direct Cite figure differs from FY92 data in BRAC III. BRAC III FY92 data were estimated. BRAC IV FY92 data are actual.
3. Pacific Missile Range Facility (PMRF) data are included in funding and in-house budgeted and actual workyear data FY86-FY92.
4. Budgeted and actual in-house workyear data include regular and overtime for civilian and military.
5. On Site contract workyears include some employees who inhabit office space in the city of Camarillo (i.e., within a 10-mile radius of NAWCWPNS Point Mugu) who may only spend part-time on base.

\*147,710 Direct Cite Est

\*\*147,532 Direct Cite Est

#141,439 Direct Cite Est

^137,539 Direct Cite Est

**FOR OFFICIAL USE ONLY**

BRAC 95 DATA CALL #4

CAPACITY

ACTIVITY UIC: 63126

Table 1.2. Historical and Projected Workload for Detachments of NAWCWPNS Point Mugu  
Fallbrook Detachment (UIC: N48057); Guam Detachment (UIC: N48059) (Guam was first manned in FY92);  
Yorktown Detachment (UIC: N48056); Los Angeles Detachment (UIC: N42597)

Fiscal Year	Total Funds Budgeted (\$K)	Total Funds Received w/o Direct Cite (\$K)	Direct Cite Funds Received (\$K)	Budgeted Wkys	Actual In-House Wkys	Actual On-Site Contract Wkys
86	639.1	639.1	0	11	11	1
87	763.5	763.5	0	11	11	1
88	753.9	753.9	0	11	11	1
89	908.6	908.6	0	12	12	1
90	807.6	807.6	0	11	10.2	1
91	948.2	948.2	0	11	11	1
92	1,033.2	1,033.2	203.7	11	13	1
93	950	950	103.8	11	12.5	1
94	932.1			11		
95	921			10		
96	921			10		
97	921			10		

The Point Mugu Detachment at Fallbrook, California, develops maintenance management and rework plans for all Navy air-launched missiles. Our employees at Fallbrook are the liaison with the weapons depot both to implement the plans and to adjust the plans as needed to meet Fleet requirements.

The Point Mugu Detachment in Guam is responsible for developing and implementing missile maintenance and rework plans for all Navy air-launched missiles. In Guam, our liaison works with the facility to schedule intermediate-level maintenance and rework.

The Point Mugu Detachment at Yorktown, Virginia, develops maintenance management and rework plans for all Navy air-launched missiles. Our employees at Yorktown are the liaison with the weapons depot both to implement the plans and to adjust the plans as needed to meet Fleet requirements.

The Point Mugu Detachment at Los Angeles, California, consists of one enlisted military person who provides coordination between the FAA in Los Angeles and Point Mugu.

Table 1.2. Historical and Projected Workload for Detachments of NAWCWPNS Point Mugu  
Guam Detachment (Guam Was First Manned in FY92) (UIC N48059)

Fiscal Year	Total Funds Budgeted (\$K)	Total Funds Received w/o Direct Cite (\$K)	Direct Cite Funds Received (\$K)	Budgeted Wkys	Actual In-House Wkys	Actual On-Site Contract Wkys
86	0	0	0	0	0	0
87	0	0	0	0	0	0
88	0	0	0	0	0	0
89	0	0	0	0	0	0
90	0	0	0	0	0	0
91	0	0	0	0	0	0
92	203.7	203.7	0	0	2	0
93	103.8	103.8	0	0	.5	0
94	75.8			0		
95	76			0		
96	76			0		
97	76			0		

This Point Mugu Detachment in Guam is responsible for developing and implementing missile maintenance and rework plans for all Navy air-launched missiles. In Guam, our liaison works with the facility to schedule intermediate-level maintenance and rework.

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Table 1.2. Historical and Projected Workload for Detachments of NAWC WPNS Point Mugu  
Fallbrook Detachment (UIC: N48057); Guam Detachment (UIC: N48059) (Guam was first manned in FY92);  
Yorktown Detachment (UIC: N48056); Los Angeles Detachment (UIC: N42597)

Fiscal Year	Total Funds Budgeted (\$K)	Total Funds Received w/o Direct Cite (\$K)	Direct Cite Funds Received (\$K)	Budgeted Wkys	Actual In-House Wkys	Actual On-Site Contract Wkys
86	639.1	639.1	0	11	11	1
87	763.5	763.5	0	11	11	1
88	753.9	753.9	0	11	11	1
89	908.6	908.6	0	12	12	1
90	807.6	807.6	0	11	10.2	1
91	948.2	948.2	0	11	11	1
92	1,193.4	1,033.2	203.7	11	13	1
93	1,117.7	950	103.8	11	12.5	1
94	932.1			11		
95	921			10		
96	921			10		
97	921			10		

The Point Mugu Detachment at Fallbrook, California, develops maintenance management and rework plans for all Navy air-launched missiles. Our employees at Fallbrook are the liaison with the weapons depot both to implement the plans and to adjust the plans as needed to meet Fleet requirements.

The Point Mugu Detachment in Guam is responsible for developing and implementing missile maintenance and rework plans for all Navy air-launched missiles. In Guam, our liaison works with the facility to schedule intermediate-level maintenance and rework.

The Point Mugu Detachment at Yorktown, Virginia, develops maintenance management and rework plans for all Navy air-launched missiles. Our employees at Yorktown are the liaison with the weapons depot both to implement the plans and to adjust the plans as needed to meet Fleet requirements.

The Point Mugu Detachment at Los Angeles, California, consists of one enlisted military person who provides coordination between the FAA in Los Angeles and Point Mugu.

Table 1.2. Historical and Projected Workload for Detachments of NAW JWPNS Point Mugu  
Yorktown Detachment (UIC: N48056)

Fiscal Year	Total Funds Budgeted (\$K)	Total Funds Received w/o Direct Cite (\$K)	Direct Cite Funds Received (\$K)	Budgeted Wkys	Actual In-House Wkys	Actual On-Site Contract Wkys
86	422.7	422.7	0	7	7	0
87	387.2	387.2	0	6	6	0
88	405.5	405.5	0	6	6	0
89	485.3	485.3	0	6	6	0
90	433.9	433.9	0	6	5.2	0
91	529.6	529.6	0	6	6	0
92	390.8	390.8	0	6	6	0
93	402.8	402.8	0	6	6	0
94	404.5			6		
95	404.5			6		
96	404.5			6		
97	404.5			6		

This Point Mugu Detachment at Yorktown, Virginia, develops maintenance management and rework plans for all Navy air-launched missiles. Our employees at Yorktown are the liaison with the weapons depot both to implement the plans and to adjust the plans as needed to meet Fleet requirements.

Table 1.2. Historical and Projected Workload for Detachments of NAWCWPNS Point Mugu  
NAVREP, FAA Regional Office, Los Angeles Detachment (U C: N42597)

Fiscal Year	Total Funds Budgeted (\$K)	Total Funds Received w/o Direct Cite (\$K)	Direct Cite Funds Received (\$K)	Budgeted Wkys	Actual In-House Wkys	Actual On-Site Contract Wkys
86	*	*	*	1	1	0
87	51.3	51.3	0	1	1	0
88	60.3	60.3	0	1	1	0
89	65.4	65.4	0	1	1	0
90	69.5	69.5	0	1	1	0
91	72.0	72.0	0	1	1	0
92	71.2	71.2	0	1	1	0
93	71.2	71.2	0	1	1	0
94	75.3			1		
95	63.9			1		
96	63.9			1		
97	63.9			1		

This detachment consists of one enlisted military person who provides coordination between the FAA in Los Angeles and Point Mugu.

\*1986 Budget/Actual financial data are not available.

The official "Detachments" for NAWCWPNNS Point Mugu are formally established in accordance with OPNAV INST.5450.169D. In addition, the Point Mugu site of the Weapons Division has a total of 54 employees whose permanent duty Stations are other than Point Mugu, but are not officially identified to "Detachments." Numbers of employees and assignments are as follows:

Beaufort, South Carolina	2		
Brunswick, Maine	1		
Camp Pendleton, California	1	Kaneohe, Hawaii	1
Cecil Field, Florida	5	Kauai Island, Hawaii	1
Cherry Point, North Carolina	1	Lemoore, California	3
China Lake, California	1	Miramar Naval Air Station, California	2
Dallas, Texas	1	Naval Air Station, California	4
Eglin AFB, Florida	1	Norfolk, Virginia	1
El Toro, California	2	Okinawa Island, Japan	1
Fort Huachuca, Arizona	7	Sigonella, Sicily, Italy	1
Futemma, Japan	1	Spokane, Washington	1
Iwakuni, Japan	2	Virginia Beach, Virginia	6
Jacksonville, Florida	1	Whidbey Island, NAS, Washington	3
Jacksonville, North Carolina	1	White Sands, New Mexico	1

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ACTIVITY UIC: 63126

Table 1.3. FY1993 Breakout of Funds Received for NAWCWPNS Point Mugu (\$K)  
(UIC: N63126)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation							Grand Total
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other	
NAVAIR	0	292	739	1,103	44,635	131,552	38,982	0	125,196	52,232	18,308	118,535	0	0	65,155	569,729
SPAWAR	0	392	362	275	192	130	0	0	463	0	8	0	0	0	(2)	1,822
NAVSEA	0	(8)	40	4,077	3,039	674	699	0	3,668	4	6,864	5,339	16,707	0	3,441	44,553
NAVFAC	0	(8)	0	75	11	0	0	0	105	0	4	0	0	6,115	374	6,684
NAVSUP	0	0	0	0	0	0	0	0	222	4	76	0	0	0	10,941	11,243
OCNR	10	85	27	150	150	16	0	0	0	220	0	0	0	0	12	670
SSPO	0	0	0	0	0	0	0	0	3,277	0	0	0	0	0	0	3,277
CNO	0	(135)	0	275	455	1,250	0	0	7,262	0	9	815	0	0	36	10,116
Other Navy	0	0	17	35,258	(6)	1,560	5,195	0	15,423	3,685	0	0	0	1,150	4	62,295
Army	0	0	0	0	0	0	0	2,834	882	1,115	2,707	597	0	0	1,444	9,579
Air Force	0	0	0	0	0	0	0	8,540	5,282	2,006	249	11,904	0	0	6,307	34,288
DOD	0	0	0	0	0	0	0	19,063	3,808	4,876	435	305	0	0	299	28,786
Other Gov't	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,881	4,881
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,330	1,330
<b>Total</b>	<b>10</b>	<b>618</b>	<b>1,185</b>	<b>41,213</b>	<b>48,476</b>	<b>135,182</b>	<b>44,876</b>	<b>30,437</b>	<b>165,588</b>	<b>64,142</b>	<b>28,660</b>	<b>137,495</b>	<b>16,707</b>	<b>7,265</b>	<b>94,222</b>	<b>816,076</b>

Note:

FY93 data are for actual funds received, not budgeted. FY94-FY97 data are for funds budgeted. The parentheses indicate decreases.

Data include Reimbursable and Direct Cite.

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ACTIVITY UIC: 63126

Table 1.3. FY1994 Breakout of Funds Budgeted for NAWCWPNS Point Mugu (\$K)  
(UIC: N63126)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						Grand Total	
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy		All Other
NAVAIR	0	291	737	1,100	44498	131,150	38,863	0	124,827	52,078	18,254	118,186	0	0	64,962	594,946
SPAWAR	0	240	361	274	191	130	0	0	462	0	8	0	0	0	0	1,666
NAVSEA	0	0	40	4,065	3030	672	698	0	3,657	4	6,844	5,323	16,658	0	3,431	44,422
NAVFAC	0	0	0	75	11	0	0	0	105	0	4	0	0	6,097	373	6,664
NAVSUP	0	0	0	0	0	0	0	0	221	4	76	0	0	0	10,909	11,210
OCNR	10	85	27	150	150	16	0	0	0	219	0	0	0	0	12	668
SSPO	0	0	0	0	0	0	0	0	3,267	0	0	0	0	0	0	3,267
CNO	0	0	0	274	454	1,250	0	0	7,241	0	9	813	0	0	36	10,086
Other Navy	0	0	17	35,154	0	1,555	5,183	0	15,378	3,674	0	0	0	1,147	4	62,111
Army	0	0	0	0	0	0	0	2,826	879	1,112	2,699	595	0	0	1,440	9,551
Air Force	0	0	0	0	0	0	0	8,515	5,266	2,000	248	11,869	0	0	6,288	34,187
DOD	0	0	0	0	0	0	0	19,007	3,797	4,862	434	304	0	0	298	28,701
Other Gov't	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,867	4,867
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,326	1,326
<b>Total</b>	<b>10</b>	<b>616</b>	<b>1,182</b>	<b>41,092</b>	<b>48333</b>	<b>134,784</b>	<b>44,744</b>	<b>30,347</b>	<b>165,100</b>	<b>63,953</b>	<b>28,576</b>	<b>137,090</b>	<b>16,658</b>	<b>7,244</b>	<b>93,944</b>	<b>813,672</b>

Data includes Reimbursable and Direct Cite.

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ACTIVITY UIC: 63126

Table 1.3. FY1995 Breakout of Funds Budgeted for NAWCWPNS Point Mugu (\$K)  
(UIC: N63126)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation							Grand Total
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other	
NAVAIR	0	287	727	1,085	43,917	129,441	38,357	0	123,200	51,399	18,016	116,645	0	0	64,115	587,191
SPAWAR	0	237	356	271	189	128	0	0	456	0	8	0	0	0	0	1,644
NAVSEA	0	0	39	4,012	2,991	663	689	0	3,610	4	6,755	5,254	16,441	0	3,386	43,843
NAVFAC	0	0	0	74	11	0	0	0	103	0	4	0	0	6,018	368	6,577
NAVSUP	0	0	0	0	0	0	0	0	218	4	75	0	0	0	10,767	11,064
OCNR	10	84	27	148	148	16	0	0	0	216	0	0	0	0	12	659
SSPO	0	0	0	0	0	0	0	0	3,225	0	0	0	0	0	0	3,225
CNO	0	0	0	271	448	1,244	0	0	7,146	0	9	802	0	0	35	9,955
Other Navy	0	0	17	34,696	0	1,535	5,115	0	15,177	3,264	0	0	0	1,132	4	61,302
Army	0	0	0	0	0	0	0	2,789	868	1,097	2,664	587	0	0	1,421	9,426
Air Force	0	0	0	0	0	0	0	8,404	5,198	1,974	245	11,714	0	0	6,206	33,741
DOD	0	0	0	0	0	0	0	18,759	3,747	4,798	428	300	0	0	294	28,327
Other Gov't	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,803	4,803
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,326	1,309
<b>Total</b>	<b>10</b>	<b>608</b>	<b>1166</b>	<b>40,556</b>	<b>47,703</b>	<b>133,027</b>	<b>44,161</b>	<b>29,952</b>	<b>162,948</b>	<b>63,119</b>	<b>28,203</b>	<b>135,303</b>	<b>16,441</b>	<b>7,149</b>	<b>92,720</b>	<b>803,066</b>

Data includes Reimbursable and Direct Cite.

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BRAC95 DATA CALL #4

ACTIVITY UIC: 63126

Table 1.3. FY1996 Breakout of Funds Budgeted for NAWCWPNS Point Mugu (\$K)  
(UIC: N63126)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						Grand Total	
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy		All Other
NAVAIR	0	275	697	1,041	42,103	124,095	36,772	0	118,112	49,276	17,272	111,828	0	0	61,468	562,941
SPAWAR	0	228	342	259	181	123	0	0	437	0	8	0	0	0	0	1,577
NAVSEA	0	0	38	3,846	2,867	636	660	0	3,460	4	6,476	5,037	15,762	0	3,246	42,032
NAVFAC	0	0	0	71	10	0	0	0	99	0	4	0	0	5,769	353	6,306
NAVSUP	0	0	0	0	0	0	0	0	209	4	72	0	0	0	10,322	10,607
OCNR	9	80	25	142	142	15	0	0	0	208	0	0	0	0	11	632
SSPO	0	0	0	0	0	0	0	0	3,092	0	0	0	0	0	0	3,092
CNO	0	0	0	259	429	1,192	0	0	6,851	0	8	769	0	0	34	9,544
Other Navy	0	0	16	33,263	0	1,472	4,904	0	14,550	3,476	0	0	0	1,085	4	58,770
Army	0	0	0	0	0	0	0	2,674	832	1,052	2,554	563	0	0	1,362	9,037
Air Force	0	0	0	0	0	0	0	8,057	4,983	1,892	235	11,230	0	0	5,950	32,348
DOD	0	0	0	0	0	0	0	17,984	3,593	4,600	410	288	0	0	282	27,157
Other Gov't	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,605	4,605
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,255	1,255
<b>Total</b>	<b>9</b>	<b>583</b>	<b>1,118</b>	<b>38,881</b>	<b>45,733</b>	<b>127,533</b>	<b>42,337</b>	<b>28,715</b>	<b>156,218</b>	<b>60,513</b>	<b>27,038</b>	<b>129,715</b>	<b>15,762</b>	<b>6,854</b>	<b>88,891</b>	<b>769,899</b>

Data includes Reimbursable and Direct Cite.

Table 1.3. FY1997 Breakout of Funds Budgeted for NAWCWPNS Point Mugu (\$K)  
(UIC: N63126)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						Grand Total	
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy		All Other
NAVAIR	0	268	678	1,012	40,962	120,731	35,775	0	114,910	47,941	16,804	108,797	0	0	59,802	547,682
SPAWAR	0	221	332	252	176	119	0	0	425	0	7	0	0	0	0	1,533
NAVSEA	0	0	37	3,742	2,789	619	642	0	3,367	4	6,300	4,900	15,334	0	3,158	40,893
NAVFAC	0	0	0	69	10	0	0	0	96	0	4	0	0	5,613	343	6,135
NAVSUP	0	0	0	0	0	0	0	0	204	4	72	0	0	0	10,042	10,319
OCNR	9	78	25	138	138	15	0	0	0	202	0	0	0	0	11	615
SSPO	0	0	0	0	0	0	0	0	3,008	0	0	0	0	0	0	3,008
CNO	0	0	0	252	418	1,160	0	0	6,665	0	8	748	0	0	33	9,285
Other Navy	0	0	16	32,361	0	1,432	4,771	0	14,156	3,382	0	0	0	1,056	4	57,177
Army	0	0	0	0	0	0	0	2,601	810	1,023	2,485	548	0	0	1,325	8,792
Air Force	0	0	0	0	0	0	0	7,838	4,848	1,841	229	10,926	0	0	5,789	31,471
DOD	0	0	0	0	0	0	0	17,497	3,495	4,475	399	280	0	0	274	26,421
Other Gov't	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,480	4,480
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,221	1,221
<b>Total</b>	<b>9</b>	<b>567</b>	<b>1,088</b>	<b>37,827</b>	<b>44,493</b>	<b>124,076</b>	<b>41,189</b>	<b>27,936</b>	<b>151,984</b>	<b>58,872</b>	<b>26,305</b>	<b>126,199</b>	<b>15,334</b>	<b>6,668</b>	<b>86,481</b>	<b>749,031</b>

Data includes Reimbursable and Direct Cite.

Table 1.4. Combined FY1993 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
Guam Detachment (UIC: N48059); Yorktown Detachment (UIC: N48056); NAVREP, FAA, Los Angeles Detachment (UIC: N42597)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR-410	0	0	0	0	0	0	0	0	878.8	0	0	0	0	0	0
CNO N88F									71.2						

Table 1.4. FY1994 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
Guam Detachment (UIC: N48059); Yorktown Detachment (UIC: N48056); NAVREP, FAA, Los Angeles Detachment (UIC: N42597)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR-410	0	0	0	0	0	0	0	0	856.8	0	0	0	0	0	0
CNO N88F									75.3						

Table 1.4. FY1995 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
Guam Detachment (UIC: N48059); Yorktown Detachment (UIC: N48056); NAVREP, FAA, Los Angeles Detachment (UIC: N42597)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR-410	0	0	0	0	0	0	0	0	857.0	0	0	0	0	0	0
CNO N88F									63.9						

Table 1.4. FY1996 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
Guam Detachment (UIC: N48059); Yorktown Detachment (UIC: N48056); NAVREP, FAA, Los Angeles Detachment (UIC: N42597)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR-410	0	0	0	0	0	0	0	0	857.0	0	0	0	0	0	0
CNO N88F									63.9						

Table 1.4. FY1997 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
Guam Detachment (UIC: N48059); Yorktown Detachment (UIC: N48056); NAVREP, FAA, Los Angeles Detachment (UIC: N42597)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR-410	0	0	0	0	0	0	0	0	857.1	0	0	0	0	0	0
CNO N88F									63.9						

Table 1.4. FY1993 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
Fallbrook Detachment (UIC: 48057)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR-410	0	0	0	0	0	0	0	0	372.2	0	0	0	0	0	0

Table 1.4. FY1994 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
Fallbrook Detachment (UIC: 48057)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR-410	0	0	0	0	0	0	0	0	376.5	0	0	0	0	0	0

Table 1.4. FY1995 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
Fallbrook Detachment (UIC: 48057)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR-410	0	0	0	0	0	0	0	0	376.5	0	0	0	0	0	0

Table1.4. FY1996 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
Fallbrook Detachment (UIC: N48057)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR-410	0	0	0	0	0	0	0	0	376.5	0	0	0	0	0	0

Table1.4. FY1997 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
Fallbrook Detachment (UIC: N48057)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR-410	0	0	0	0	0	0	0	0	376.6	0	0	0	0	0	0

Table 1.4. FY1993 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
Guam Detachment (UIC: N48059)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR-410	0	0	0	0	0	0	0	0	103.8	0	0	0	0	0	0

Table 1.4. FY1994 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
Guam Detachment (UIC: N48059)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR-410	0	0	0	0	0	0	0	0	75.8	0	0	0	0	0	0

Table 1.4. FY1995 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
Guam Detachment (UIC: N48059)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR-410	0	0	0	0	0	0	0	0	76.0	0	0	0	0	0	0

Table 1.4. FY 1996 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
Guam Detachment (UIC: N48059)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR-410	0	0	0	0	0	0	0	0	76.0	0	0	0	0	0	0

Table 1.4. FY1997 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
Guam Detachment (UIC: N48059)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR-410	0	0	0	0	0	0	0	0	76.0	0	0	0	0	0	0

Table 1.4. FY1993 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
Yorktown Detachment (UIC: N48056)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR-410	0	0	0	0	0	0	0	0	402.8	0	0	0	0	0	0

Table 1.4. FY1994 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
Yorktown Detachment (UIC: N48056)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR-410	0	0	0	0	0	0	0	0	404.5	0	0	0	0	0	0

Table 1.4. FY1995 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
Yorktown Detachment (UIC : N48056)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR-410	0	0	0	0	0	0	0		404.5	0	0	0	0	0	0

Table 1.4. FY1996 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
Yorktown Detachment (UIC: N48056)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR-410	0	0	0	0	0	0	0	0	404.5	0	0	0	0	0	0

Table 1.4. FY 1997 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
Yorktown Detachment (UIC: N48056)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR-410	0	0	0	0	0	0	0	0	404.5	0	0	0	0	0	

Table 1.4. FY 1993 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
NAVREP.FAA Regional Office, Los Angeles Detachment (UIC: N42597)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
CNO N88F	0	0	0	0	0	0	0	0	71.2	0	0	0	0	0	

Table 1.4. FY 1994 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
NAVREP.FAA Regional Office, Los Angeles Detachment (UIC: N42597)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
CNO N88F	0	0	0	0	0	0	0	0	75.3	0	0	0	0	0	

Table 1.4. FY 1995 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
NAVREP.FAA Regional Office, Los Angeles Detachment (UIC: N42597)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
CNO N88F	0	0	0	0	0	0	0	0	63.9	0	0	0	0	0	

Table 1.4. FY 1996 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
NAVREP, FAA Regional Office, Los Angeles Detachment (UIC: N42597)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
CNO N88F	0	0	0	0	0	0	0	0	63.9	0	0	0	0	0	

Table 1.4. FY 1997 Breakout of Funds Budgeted for Detachments of NAWCWPNS Point Mugu (\$K)  
NAVREP, FAA Regional Office, Los Angeles Detachment (UIC: N42597)

Sponsor	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
CNO N88F	0	0	0	0	0	0	0	0	63.9	0	0	0	0	0	

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**2. Current Class 2 Assets.** Complete Tables 2.1 through 2.6 below as directed. Tables 2.1, 2.2 & 2.3 will define the Class 2 property owned or leased by your activity (less Detachments). Tables 2.4, 2.5 & 2.6 will define the combined Class 2 assets owned or occupied at your Detachment sites which did not receive this Data Call directly. Report space holdings and assignments as of 31 March 1994. Provide numbered notes to explain imminent changes, additions & deletions such as previous BRAC realignments, MILCON (including BRAC related MILCON) & Special Projects that are currently programmed in the FYDP. Give the project number & title, cost, short description, quantity of additional square footage, award date, estimated/actual construction start date and estimated BOD. Square footage of space is to be reported in "Gross Floor/Building Area" (GF/BA) as defined in NAVFAC P-80. Many of the P-80 Category Code Numbers (CCN's) have assets that are reported in units of measure other than square feet (SF). The only unit of measure desired for this Data Call is SF. Only report the assets in each CCN that are normally reported in SF.

For your Site:

a. Use Table 2.1 below to indicate the total amount of Class 2 space at your site for which you are the plant account holder as of 31 March 1994.

b. Use Table 2.2 below to indicate the total amount of your Class 2 space reported in Table 2.1 that is assigned to your tenant commands and/or independent activities at your site as of 31 March 1994.

c. Use Table 2.3 below to indicate the total amount of Class 2 space, for which you are not the plant account holder, but which is utilized/leased by you (less Detachments). Provide numbered notes to identify the title and UIC of the plant account holder/lessor, quantity of leased space and the associated lease cost.

Table 2.1. Main Site Class 2 Assets of NAWCWPNS Point Mugu (UIC: N63126 )

Building Type	NAVFAC (P-80) Category Code	Gross Floor/Building Area (KSF)			
		Adequate	Substandard	Inadequate	Total
Operational & Training	100	258	13	6	277
Maintenance & Production	200	803	94	43	940
Science Labs	310	95	0	0	95
Aircraft Labs	311	133	0	21	154
Missile And Space Labs	312	400	32	21	453
Ship and Marine Labs	313	4	0	2	6
Ground Transportation Labs	314	0	0	0	0
Weapon and Weapon Systems Labs	315	61	0	0	61
Ammunition, Explosives, & Toxics Labs	316	9	0	0	9
Electrical Equip. Labs	317	194	32	0	226
Propulsion Labs	318	1	0	0	1
Miscellaneous Labs	319	380	63	90	533
Underwater Equip. Labs	320	0	0	0	0
Technical Services Labs	321	38	0	0	38
Supply Facilities	400	213	33	11	257
Hospital & Other Medical	500	23	0	0	23
Administrative Facilities	600	313	0	2	315
Housing & Community	700	2,149	40	17	2,206
Utilities & Grounds	800	42	3	0	45
Other					
	<b>Total</b>	<b>5,116</b>	<b>310</b>	<b>213.0</b>	<b>5,639.0</b>

## Notes:

1. The data in the table above are based on a Space Utilization Study by the Public Works Planning Division in March 1994.
2. The data differ from the P-164 of 30 September 94 because of the detailed space study and the addition of building 3015 (122,986 square feet), and demolition of facilities during the year, which were accounted in the space study.
3. Category Code 700 includes Family Housing but does not include an additional 100 Family Housing units opened in mid-April 1994.

Table 2.2. Main Site Class 2 Space of NAWCWPNS Point Mugu (UIC: N63126)  
Assigned to Tenants

Tenant		NAVFAC (P-80) Category Code	GF/BA Assigned (KSF)
Name	UIC		
Federal Bureau of Investigation	N/A	211-05	8.4
United States Postal Service	N/A	30-85	1.5
University of La Verne	N/A	71-10	2.6
University of Southern Illinois	N/A	171-10	0.3
Defense Commissary Agency	49208	740-23	23.8
Explosive Ordnance Detachment 3	30213	143-20	8.7
Navy Resale Activity	30949	740-09	35.2
Naval Aviation Engineering Support Unit	32904	610-10	0.7
Commander, 3rd Fleet Representative	33321	39-40	0.2
Branch Medical Clinic	66009	510-10	14.9
Branch Dental Clinic	35744	540-10	3.2
Naval Telecommunication Center	39048	131-14	3.9
Navy Military Personnel Command Sea Duty	41342	211-05	23.8
Personnel Support Detachment	43145	611-10	8.6
Resident Officer in Charge of Contracts	44266	610-10	2.8
Naval Satellite Operations Center	63200	13-25	39.7
Naval Air Reserves	66630	171-15	153.2
Navy Publishing & Printing Service Det.	66965	225-50	2.3
Marine Air Detachment	67414	610-10	2.3
Helicopter Combat Support 5	53812	211-05	20.3
Air Test and Evaluation Squadron Four*	52820	211-05	62.5
Patrol Squadron Sixty Five	09173	211-05	5
Strike Fighter Squadron Three Zero Five	09326	211-05	
Navy Campup Field Activity	63015	610-10	
Naval Audit Office	N/A	610-10	

(Contd.)

Table 2.2. Main Site Class 2 Space of NAWCWPNS Point Mugu (UIC: N63126)  
Assigned to Tenants (Contd.)

Tenant		NAVFAC (P-80) Category Code	GF/BA Assigned (KSF)
Name	UIC		
Naval Investigative Service	N/A	610.10	0.7
Credit Union	N/A	740.19	5.2
Antarctic Development Squadron Six	09587	211.05	69.5
Scheduled Airlines Traffic Office	N/A	610.10	0.7
		Total	588

\*It is planned by COMOPTEVFOR to consolidate Operational Test and Evaluation Squadrons (VX-5 and China Lake and VX-4 at Point Mugu) into a single squadron (VX-9) headquartered at China Lake. On 28 April 1994, VX-9 officially stood up and VX-5 was disestablished. COMOPTEVFOR has proposed that VX-4 be disestablished as a squadron in September 1994 and transition to an F-14 Detachment of VX-9 at Point Mugu.

Table 2.3. Class 2 Space Utilized/Leased by NAWCWPNS Point Migu (UIC: N63126)

Building Type	NAVFAC (P-80) Category Code	GF/BA (KSF)			
		Adequate	Substandard	Inadequate	Total
Operational & Training	100	15,800			15,800
Maintenance & Production	200				
Science Labs	310				
Aircraft Labs	311	16,100			16,100
Missile and Space Labs	312				
Ship and Marine Labs	313				
Ground Transportation Labs	314				
Weapon and Weapon Systems Labs	315				
Ammunition, Explosives, and Toxics Labs	316				
Electrical Equip. Labs	317				
Propulsion Labs	318				
Miscellaneous Labs	319				
Underwater Equip. Labs	320				
Technical Services Labs	321				
Supply Facilities	400				
Hospital & Other Medical	500				
Administrative Facilities	600				
Housing & Community	700				
Utilities & Grounds	800				
Other					
	Totals	31,900			31,900

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d. In accordance with NAVFACINST 11010.44E, an Inadequate facility cannot be made Adequate for its present use through "economically justifiable means". For all the categories above where Inadequate facilities are identified provide the following information:

- (1) FACILITY TYPE/CODE:
- (2) WHAT MAKES IT INADEQUATE?
- (3) WHAT USE IS BEING MADE OF THE FACILITY?
- (4) WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
- (5) WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?
- (6) CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING:
- (7) HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP?

Table 2.d. Main Site Class 2 Inadequate Assets of NAWCWPNS Point Mugu (UIC: N63126)

Building Type (1) & (3)	NAVFAC (P-80) Category Code (1)	Inadequacies (2)	Costs to Upgrade (\$K)*** (4)	Other Uses & Assn. Costs (\$K) (5)	Improve. Plans & Prog. Funding* (6)	Fac. Cond. Index** (7)****
Operational & Training	100	Bldg 325, old quonset hut hangar, roof deterioration, location in Airfield Clear Zone, structural deterioration	N/A	Storage:	Identified for demolition	N/A
Maintenance & Production	200	Old hangars in waived areas with inadequate door height/ width	2,000	Storage/ Lab	None	N/A
Science Labs	310	This Station has no inadequate facilities within this category code.				
Aircraft Labs	311	Old hangar buildings with Lab in waived areas and deteriorated utility systems	1,250	Storage:	None	N/A
Missile and Space Labs	312	Old hangar buildings with Lab in waived areas and deteriorated building systems	1,000	Storage:	None	N/A
Ship and Marine Labs	313	Building 351, inadequate hangar space located in airfield height safety waived area	500	Storage:	Minimal upgrades to waived buildings	N/A
Ground Transportation Labs	314	This Station has no facilities within this category code.				
Weapon and Weapon Systems Labs	315	This Station has no facilities within this category code.				
Ammunition, Explosives, & Toxics Labs	316	This Station has no facilities within this category code.				

(Contd.)

Table 2.d.Main Site Class 2 Inadequate Assets of NAWCWPNS Point Mugu (UIC: N63126) (Contd.)

Building Type (1) & (3)	NAVFAC (P-80) Category Code (1)	Inadequacies (2)	Costs to Upgrade (\$K) (4)***	Other Uses & Associated Costs (\$K) (5)	Improve. Plans & Prog. Funding* (6)	Fac. Cond. Index*** (7)****
Electrical Equip. Labs	317	This Station has no facilities within this category code.				
Propulsion Labs	318	This Station has no facilities within this category code.				
Miscellaneous Labs	319	Old hangar facilities with inadequate configuration and proximity to airfield	3,750		None	N/A
Underwater Equip. Labs	320	This Station has no facilities within this category code.				
Technical Services Labs	321	This Station has no facilities within this category code.				
Supply Facilities	400	Building 325 located in airfield safety clear zone	N/A	N/A	Identified for demolition	N/A
Hospital & Other Medical	500	This Station has no facilities within this category code.				
Administrative Facilities	600	Building 325, located in airfield safety clear zone	N/A	N/A	Identified for demolition	
Housing & Community	700	BQ N2, SNI , and 5-2 & 2- 825 Main Base are structurally deteriorated wood frame buildings with antiquated utility systems B 2-43 quonset hut child care facility. Structurally unsound and deteriorated utilities and bad configuration	N2, 100K 2-825, 64K 5-2 is to be dem'd	N2, non 2-825, admin functions, same cost 5-2 no reuse authorized	In-house renovation Rehab is unfunded Demolition in FY94/95	C3 C3 C3
Utilities & Grounds	800	This Station has no facilities within this category code.				
Other	N/A					

\*Funding for improvements is assumed to include funding for capital improvements and funding for repairs to correct inadequate facility conditions.

\*\*The Facility Condition Index is based on the FY93 BASEREP submission.

\*\*\*Cost to upgrade includes only cost associated with addressing critical deficiencies.

\*\*\*\*N/A indicates no C rating on the FY93 BASEREP submission due to low mission impact. However, facilities are inadequate according to NAVFAC criteria.

For your Detachment sites not receiving this Data Call directly:

*e. Use Table 2.4 below to indicate the combined total amount of Class 2 space that is occupied by your Detachments for which you are the plant account holder as of 31 March 1994. Attach a list with the titles and UICs of these Detachments.*

There is no Class 2 space occupied by NAWCWPNS Point Mugu for which we are the plant account holder as of 31 March 1994. Therefore, this table is not applicable.

*f. Use Table 2.5 below to indicate the total amount of your Class 2 space reported in Table 2.4 that is assigned to tenant commands and/or independent activities as of 31 March 1994. Include numbered notes to indicate the Detachment site that hosts the tenant.*

There is no Class 2 space assigned to tenant commands or independent activities as of 31 March 1994 at NAWCWPNS Point Mugu. Therefore, this table is not applicable.

*g. Use Table 2.6 below to indicate the combined total amount of Class 2 space utilized/leased by your Detachments for which you are not the plant account holder. Provide numbered notes to indicate the quantity of leased space and their associated rental cost.*

Table 2.4. Class 2 Assets of NAWCWPNS Point Mugu Occupied by Detachments

Building Type	NAVFAC (P-80) Category Code	GF/BA (KSF)			
		Adequate	Substandard	Inadequate	Total
Operational & Training	100	N/A (see "e" above)			
Maintenance & Production	200				
Science Labs	310				
Aircraft Labs	311				
Missile and Space Labs	312				
Ship and Marine Labs	313				
Ground Transportation Labs	314				
Weapon and Weapon Systems Labs	315				
Ammunition, Explosives, and Toxics Labs	316				
Electrical Equip. Labs	317				
Propulsion Labs	318				
Miscellaneous Labs	319				
Underwater Equip. Labs	320				
Technical Services Labs	321				
Supply Facilities	400				
Hospital & Other Medical	500				
Administrative Facilities	600				
Housing & Community	700				
Utilities & Grounds	800				
Other					
Total					

*h. In accordance with NAVFACINST 11010.44E, an Inadequate facility cannot be made Adequate for its present use through "economically justifiable means". For all the categories above where Inadequate facilities are identified provide the following information:*

- (1) **FACILITY TYPE/CODE:**
- (2) **WHAT MAKES IT INADEQUATE?**
- (3) **WHAT USE IS BEING MADE OF THE FACILITY?**
- (4) **WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?**
- (5) **WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?**
- (6) **CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING:**
- (7) **HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP?**

Table 2.5. Class 2 Space at Detachment Sites of NAWCWPNS Point Mugu (UIC: N63126)  
Assigned to Tenants

Tenant		NAVFAC (P-80) Category Code	GF/BA (KSF) Assigned
Name	UIC		
Not Applicable (see "f" above)			
		Total	

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Table 2.6. Class 2 Space Utilized/Leased by Detachments of NAWC WPNS Point Mugu  
(UICs: N48057, N48059, N48056, and N42597) Combined Total of Four Detachments is 55 Employees.

Building Type	NAVFAC (P-80) Category Code	GF/BA (KSF)			
		Adequate	Substandard	Inadequate	Total
Operational & Training	100	5.0	0	0	5.0
Maintenance & Production	200	0	0	0	0
Science Labs	310	0	0	0	0
Aircraft Labs	311	0	0	0	0
Missile and Space Labs	312	0	0	0	0
Ship and Marine Labs	313	0	0	0	0
Ground Transportation Labs	314	0	0	0	0
Weapon and Weapon Systems Labs	315	0	0	0	0
Ammunition, Explosives, and Toxics Labs	316	0	0	0	0
Electrical Equip. Labs	317	0	0	0	0
Propulsion Labs	318	0	0	0	0
Miscellaneous Labs	319	0	0	0	0
Underwater Equip. Labs	320	0	0	0	0
Technical Services Labs	321	0	0	0	0
Supply Facilities	400	0	0	0	0
Hospital & Other Medical	500	0	0	0	0
Administrative Facilities	600	1.5	0	0	1.5
Housing & Community	700	0	0	0	0
Utilities & Grounds	800	0	0	0	0
Other		0	0	0	0
<b>Totals</b>		<b>6.5</b>	<b>0</b>	<b>0</b>	<b>6.5</b>

Notes: All space identified in this table is in Government-owned space. No space is leased by detachments.

Table 2.6. Class 2 Space Utilized/Leased by Detachments of NA WCPNS Point Mugu  
NWS Fallbrook Detachment (UIC: N48057)

Building Type	NAVFAC (P-80) Category Code	GF/BA (KSF)			
		Adequate	Substandard	Inadequate	Total
Operational & Training	100	1.3	0	0	1.3
Maintenance & Production	200	0	0	0	0
Science Labs	310	0	0	0	0
Aircraft Labs	311	0	0	0	0
Missile and Space Labs	312	0	0	0	0
Ship and Marine Labs	313	0	0	0	0
Ground Transportation Labs	314	0	0	0	0
Weapon and Weapon Systems Labs	315	0	0	0	0
Ammunition, Explosives, and Toxics Labs	316	0	0	0	0
Electrical Equip. Labs	317	0	0	0	0
Propulsion Labs	318	0	0	0	0
Miscellaneous Labs	319	0	0	0	0
Underwater Equip. Labs	320	0	0	0	0
Technical Services Labs	321	0	0	0	0
Supply Facilities	400	0	0	0	0
Hospital & other Medical	500	0	0	0	0
Administrative Facilities	600	0	0	0	0
Housing & Community	700	0	0	0	0
Utilities & Grounds	800	0	0	0	0
Other		0	0	0	0
Totals		1.3	0	0	1.3

Table 2.6. Class 2 Space Utilized/Leased by Detachments of NA WCWPNS Point Mugu  
NAWMU-1 Guam Detachment (UIC: N480: 9)

Building Type	NAVFAC (P-80) Category Code	GF/BA (KSF)			
		Adequate	Substandard	Inadequate	Total
Operational & Training	100	0.1	0	0	0.1
Maintenance & Production	200	0	0	0	0
Science Labs	310	0	0	0	0
Aircraft Labs	311	0	0	0	0
Missile and Space Labs	312	0	0	0	0
Ship and Marine Labs	313	0	0	0	0
Ground Transportation Labs	314	0	0	0	0
Weapon and Weapon Systems Labs	315	0	0	0	0
Ammunition, Explosives, and Toxics Labs	316	0	0	0	0
Electrical Equip. Labs	317	0	0	0	0
Propulsion Labs	318	0	0	0	0
Miscellaneous Labs	319	0	0	0	0
Underwater Equip. Labs	320	0	0	0	0
Technical Services Labs	321	0	0	0	0
Supply Facilities	400	0	0	0	0
Hospital & other Medical	500	0	0	0	0
Administrative Facilities	600	0	0	0	0
Housing & Community	700	0	0	0	0
Utilities & Grounds	800	0	0	0	0
Other		0	0	0	0
Totals		0.1	0	0	0.1

Table 2.6. Class 2 Space Utilized/Leased by Detachments of NAWCWPNS Point Mugu  
NWS Yorktown Detachment (UIC: N48055)

Building Type	NAVFAC (P-80) Category Code	GF/BA (KSF)			
		Adequate	Substandard	Inadequate	Total
Operational & Training	100	3.6	0	0	3.6
Maintenance & Production	200	0	0	0	0
Science Labs	310	0	0	0	0
Aircraft Labs	311	0	0	0	0
Missile and Space Labs	312	0	0	0	0
Ship and Marine Labs	313	0	0	0	0
Ground Transportation Labs	314	0	0	0	0
Weapon and Weapon Systems Labs	315	0	0	0	0
Ammunition, Explosives, and Toxics Labs	316	0	0	0	0
Electrical Equip. Labs	317	0	0	0	0
Propulsion Labs	318	0	0	0	0
Miscellaneous Labs	319	0	0	0	0
Underwater Equip. Labs	320	0	0	0	0
Technical Services Labs	321	0	0	0	0
Supply Facilities	400	0	0	0	0
Hospital & other Medical	500	0	0	0	0
Administrative Facilities	600	0	0	0	0
Housing & Community	700	0	0	0	0
Utilities & Grounds	800	0	0	0	0
Other		0	0	0	0
Totals		3.6	0	0	3.6

Table 2.6. Class 2 Space Utilized/Leased by Detachments of NAVCWPNS Point Mugu  
NAVREP, FAA Regional Office, Los Angeles Detachment (UIC: N42597)

Building Type	NAVFAC (P-80) Category Code	GF/BA (KSF)			
		Adequate	Substandard	Inadequate	Total
Operational & Training	100	0	0	0	0
Maintenance & Production	200	0	0	0	0
Science Labs	310	0	0	0	0
Aircraft Labs	311	0	0	0	0
Missile and Space Labs	312	0	0	0	0
Ship and Marine Labs	313	0	0	0	0
Ground Transportation Labs	314	0	0	0	0
Weapon and Weapon Systems Labs	315	0	0	0	0
Ammunition, Explosives, and Toxics Labs	316	0	0	0	0
Electrical Equip. Labs	317	0	0	0	0
Propulsion Labs	318	0	0	0	0
Miscellaneous Labs	319	0	0	0	0
Underwater Equip. Labs	320	0	0	0	0
Technical Services Labs	321	0	0	0	0
Supply Facilities	400	0	0	0	0
Hospital & other Medical	500	0	0	0	0
Administrative Facilities	600	1.5	0	0	1.5
Housing & Community	700	0	0	0	0
Utilities & Grounds	800	0	0	0	0
Other		0	0	0	0
	<b>Totals</b>	1.5	0	0	1.5

**3. Class 2 Space Available for Expansion.** *An activity's expansion capability is a function of its ability to reconfigure and/or expand existing facilities to accept new or increased roles. Such a reconfiguration may require rehabilitation or buildout of a space to support the new or expanded role. A space expansion could include converting an underutilized storage space into laboratory spaces, or buildout of a high bay area into a multifloor office/laboratory space. All questions refer to Class 2 property for which you are the plant account holder as of 31 March 1994. Do not report any currently programmed changes or additions previously reported in question #2 above. Expansion opportunities must follow the guidance of NAVFAC P-80 for the appropriate facility category code, as well as applicable fire and safety codes. Personnel loading density should not exceed those specified in the P-80. Space is only available if it is currently unoccupied or the current occupants are officially designated for relocation. Report space as Net Floor Area (NFA) as defined in the P-80. Do not include opportunities that are being reported by your Detachments who received this Data Call directly. Reported expansion opportunities must be able to accommodate the necessary ancillary facilities and equipment, such as adequate parking space, required to support the amount of people projected.*

NAWCWPNS, Point Mugu is the plant account holder for over 1400 buildings/structures. There is some potential for expansion in existing Class 2 facilities as shown in Table 3.1, but the greatest opportunities for expansion exist on buildable land as shown in Table 3.2. Table 3.2 summarizes the opportunities for growth of new Class 2 buildings/facilities on existing buildable Class 1 land. All of the space available for expansion can be converted to specific mission requirements (and associated building category codes). Point Mugu has recently completed (March 1994) a basic facilities requirements (BFR) study and Facility Space Study which identifies available space. The results of the surveys will be input into the naval Facilities Asset Data Base in May/June 1994. Point Mugu presently has approximately 190 acres of unrestricted buildable land on Main Base and approximately 670 acres of unrestricted buildable land on San Nicolas Island that would accept a combined total of 13,174,000 square feet of new facilities. The type of facilities constructed on this land can vary depending on mission requirements.

*a. What is the maximum quantity of space that could be made available for expansion to accommodate other functions and/or increased efforts? Report in terms of the "Current NFA" as shown in Tables 3.1 & 3.2. **13,367,000 SQFT.***

*b. How much of the space reported in question 3.a. above is currently available with minimal or no reconfiguration costs? Report in terms of the "Current NFA" as shown in Tables 3.1 & 3.2. **None SQFT.***

All the space identified requires significant reconfiguration/upgrade or construction costs as shown in Tables 3.1 and 3.2

*c. Use Table 3.1 below to indicate the constrained growth opportunities for accepting expanded or new roles. Constrained growth is defined as growth limited to buildings and structures currently on your Class 2 plant account. Add numbered notes to highlight and explain opportunities that require remediation or waiver of a restriction or encumbrance as part of the expansion. Provide lettered notes to clearly identify each opportunity with the title & UIC of the site it refers to. The "Current NFA (KSF)" column total should match the quantity provided in question #3.a. above. Annotate those opportunities that were used to obtain the answer to question #3.b. above. Report space once, do not use the same space for different expansion opportunities.*

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*Include in this table space that will become available once planned downsizing (separate from BRAC realignments) has been completed, provide the estimated completion date of the downsizing effort.*

*d. Use Table 3.2 below to indicate additional unconstrained growth opportunities for accepting expanded or new roles. Unconstrained growth allows for construction of new facilities on existing buildable Class 1 property. The only constraint being that the land must currently be on your plant account holdings as of 31 March 1994 and free of existing land use constraints. Limit new buildings to three stories. Add numbered notes to highlight and explain additional opportunities that would require remediation or waiver of a land use constraint as part of the expansion. Provide lettered notes to clearly identify each opportunity with the title & UIC of the site it refers to. Do not include space that has been reported in Table 3.1.*

Table 3.1. Constrained Class 2 Space Available for Expansion at NAW CWPNS Point Mugu  
(UIC: N63126)

Building # / Category Code (3 digit)	Current GFA (KSF)	Additional Capacity Provided by Expansion		Height of High Bay (Ft)	Estimated Cost of Rehab**(\$K)
		GSF (KSF)*	Number of Personnel		
100	277	72	120	N/A	7,920
200	940	0	0	0	0
310	95	0	0	0	0
311	154	0	0	0	0
312	453	0	0	0	0
313	6	0	0	0	0
314	0	0	0	0	0
315	61	0	0	0	0
316	9	0	0	0	0
317	226	0	0	0	0
318	1	0	0	0	0
319	533	0	0	0	0
320	0	0	0	0	0
321	38	0	0	0	0
400	257	0	0	0	0
500	23	0	0	0	0
600	315	121	1,000	N/A	13,300
700	2,206	0	0	0	0
800	45	0	0	0	0
<b>Totals</b>	<b>5,639</b>	<b>193</b>	<b>1,120</b>		<b>21,220</b>

Note: An overall deficiency in category code 300 series facilities exists at Point Mugu.

\* The additional expansion capacity data provided are a result of a recent / completed (March 1994) BFR/Space survey for all facilities at Point Mugu.

\*\* It is assumed that the excess capacity will be utilized for the same category code function for which the facility presently exists; therefore only identified inadequate excess space will be estimated for rehab. Note that depending on mission requirements all excess space must be reviewed/considered for specific mission related rehab requirements.

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Table 3.2. Unconstrained Class 2 Space Available for Expansion at  
NAWCWPNS Point Mugu (UIC: N63216)

Building # / Category Code (3 Digit)	Current GFA* (KSF)	Additional Capacity Provided by Expansion		Height of High Bay (Ft)	Estimated Cost of Rehab (\$K) Const.**
		GSF (KSF)	Number of Personnel		
100	277	570	1,850	12	65,400
200	940	1,310	1,310	30	138,700
310	95	680	1,079	12-24	115,600
311	154	150	250	12-16	28,000
312	453	1,020	1,700	12-30	193,800
313	6	0	0	0	0
314	0				
315	61	30	50	12-30	5,100
316	9	5	8	10-14	1,100
317	226	590	936	12-35	118,000
318	1	5	8	12-16	900
319	533	1,020	1,700	12-24	153,000
320	0				
321	38	450	714	12-16	54,000
400	257	360	360	12-20	54,000
500	23	40	200	9	10,000
600	315	730	4,867	9	80,300
700	1,374	1,420	500	12-30	143,100
800	45	74	N/A	N/A	310,130
<b>Totals</b>	<b>2,852</b>	<b>8,504</b>	<b>15,532</b>		<b>1,471,000</b>

## Notes:

\* Square footage is reported in gross square feet (GFA) vs. net square feet. This allows for pulling data directly from the Naval Facilities Asset Database and also for using new facility unit costing data.

\*\* Costs for this column are based on NAVFAC new facility unit cost guidance.

1. Freeway interchange and access road upgrades to be funded by Defense Access Roads. Not in this estimate.

2. POL pipeline from Port Hueneme to be funded by DLA, not included in this estimate.

3. No additional Family Housing included in this estimate.

4. Projected new facilities (Class 2 property) on existing buildable Class 1 property are based on NAVFAC facility density guidance.

5. Costs for this column are based on NAVFAC new facility unit cost guidance.

6. Other includes infrastructure such as roads, utility system upgrades, parking.

Table 3.2. Unconstrained Class 2 Space Available for Expansion at  
NAWCWPNS Point Mugu (San Nicolas Island) (UIC: 63216)

Building # / Category Code (3 digit)	Current GSF* (KSF)	Additional Capacity Provided by Expansion		Height of High Bay (Ft)	Estimated Cost of Rehab (\$K) Const.**
		GSF (KSF)**	Number of Personnel		
100	23	199	180	9-12	24,875
200	50	729	590	10-40	120,285
300	102	961	1,050	9-16	262,345
400	19	188	150	20	28,200
500	4	15	66	N/A	6,000
600	13	196	1,003	N/A	29,400
700	161	2,335	(3,063) <sup>3</sup>	16	350,250
800 <sup>4</sup>	17	47	24	N/A	85,215
Other <sup>5</sup>					161,475
Totals	389	4,670	3,063		1,068,045

## Notes:

\* Square footage is reported in gross square feet (GFA) vs. net square feet. This allows for pulling data directly from the Naval Facilities Asset Database and also for using new facility unit costing data.

\*\* Costs for this column are based on NAVFAC new facility unit cost guidance.

1. Projected new facilities (Class 2 property) on existing buildable Class 1 property are based on NAVFAC facility density guidance.

2. Costs for this column are based on NAVFAC new facility unit cost guidance.

3. Personnel on SNI are double counted in multiple category codes because housing must be provided for every person for whom workspace is allocated.

4. The scope of construction shown on the table for San Nicolas Island would require substantial upgrade to the utility systems, including water, power, fuel, sewer, and fire. This category includes 11 major projects for upgrades to utility systems.

5. Any major construction on San Nicolas Island would require substantial investment in waterfront operations facilities, including new landing and/or pier/wharf. This category also includes additional required road and parking construction.

#### 4. Class 1 Space Available for Expansion.

a. Identify in Table 4.1 below the real estate resources which have the potential to facilitate future development, and for which you are the plant account holder as of 31 March 1994, or into which, though a tenant, your activity could reasonably expect to expand. Complete a separate table for each individual site (i.e., main base, outlying airfields, special off-site areas, etc.) and Detachment that did not receive this Data Call directly. The unit of measure is acres. Developed area is defined as land currently with buildings, roads, and utilities where further development is not possible without demolition of existing improvements. Include in "Restricted" acreage that is restricted for future development due to environmental constraints (e.g. wetlands, landfills, archaeological sites), operational restrictions (e.g. ESQD arcs, HERO, HERP, HERF, AICUZ, ranges) or cultural resources restrictions. Identify the reason for the restriction when providing the acreage in the table. Specify any entry in "Other" (e.g. submerged lands).



authority is a significant asset in the experimental phase of the test and evaluation of new RF systems and is particularly valuable in situations requiring quick-response testing.

The presence of the DOD Western Area Frequency Coordinator (WAFC) and the Navy Frequency Coordinator Western U.S. (NFCWUS) (both assigned as collateral functions to NAWCWPNS) on-site at Point Mugu enhances the base frequency manager's ability to coordinate the use of RF on the range. A major function of the WAFC is to promote maximum use of the electromagnetic spectrum and to coordinate its use at test and training ranges. The authority of the NFCWUS to approve temporary assignments for test and training use drastically reduces the time required to obtain approval for RF usage at Point Mugu, compared to the time required to obtain approval from the national level.

The presence of an excellent Electromagnetic Compatibility (EMC) engineering capability at NAWCWPNS is also an asset in the use of RF for test and evaluation. The EMC group at Point Mugu can provide extensive EMC analysis, test, and measurement services to prevent and resolve RF interference problems.

Table 4.1. Class 1 Resources of NAWCWPNS Point Mugu (UIC: N63126)  
Site Location: Main Base

Land Use*	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Maintenance	213	158	42	13
Operational	860	471	370	19
Training	41	40		1
RDT&E	1,135	906	130	99
Supply & Storage	574	97	470	7
Admin	20	5		15
Housing (Incl BQ)	177	152		25
Recreational	114	50	53	11
Navy Forestry Program				
Navy Agricultural Outlease Program				
Hunting/Fishing Programs				
Other**	1356	68	1288	
Total	4,490	1,947	2,353	190

\*The projected use of the land is coordinated with the NAWCWPNS Point Mugu Activity Master Plan dated 1986. It must be noted that projected land use should be reviewed (and considered for possible change) depending on mission requirements.

\*\*"Other" includes environmentally sensitive areas such as wetlands and archeological sites.

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d. Of the total Unrestricted Acres reported above, how much of it has existing roads and/or utilities that could support expansion efforts? 184 Acres. Explain.

Streets, water, and electricity to support some additional development are available to all of the selected sites except for 5.2 acres at the northeast corner of the Station. The existing utility infrastructure can accommodate a fourfold increase in current demand without major addition or modification.

Table 4.1. Class 1 Resources of NAWCWPNS Point Mugu (UIC: N63126)  
Site Location: San Nicolas Island

Land Use*	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Maintenance	142	70	36	36
Operational	3545	440	2883	222
Training				
R DT&E	2788	710	1714	364
Supply & Storage				
Admin				
Housing	84	41	21	22
Recreational	101	50	25	26
Navy Forestry Program				
Navy Agricultural Outlease Program				
Hunting/Fishing Programs				
Other	6710		6710	
Total	13370	1311	11389	670

## Notes:

\* The projected use of the land is coordinated with the NAWS Point Mugu Activity Master Plan dated 1986. It must be noted that projected land use should be reviewed (and considered for possible change) depending on mission requirements.

d. Of the total Unrestricted Acres reported above, how much of it has existing roads and/or utilities that could support expansion efforts? See notes Acres. Explain.

This remote site is severely constrained by location and a lack of waterfront improvements that would allow easy access to the Island. Roads and utilities are adequate in the existing maintenance, housing, and community support areas. Electrical power is limited by the generating capacity of a single powerhouse. The existing power infrastructure can support a threefold increase in demand.



**DESCRIPTION:** This project will provide a 32,920-square-foot addition to the existing range operations center building, upgrade 19,820 square feet of the operations centers and upgrade heads, roof and facilities of the remaining 91,366 square feet of the building. An overhead secure cable way will connect the new addition to the range communications building.

**ESTIMATED AWARD DATE:** 1998

**PLANNED BENEFICIAL OCCUPANCY DATE:** 1999

**PROJECT:** P-061

**SPONSOR/PROG. YR.:** N091/FY97

**TITLE:** SURFACE TARGETS DEVELOPMENT LAB, CBC SITE

**COST:** \$3.5M

**SIZE:** 24,000SF of development laboratory, 7,945SF engineering laboratory, 7,055SF of electronics shop space and 9,000SF of RDT&E storage laboratory

**TYPE:** REPLACEMENT/NEW

**DESCRIPTION:** This project will provide 24,000 square feet of development laboratory, 7,945 square feet engineering laboratory, 7,055 square feet of electronics shop space and 9,000 square feet of RDT&E storage laboratory. The new facility will replace leased and inadequate facilities and will support the Sea Range mission of weapons systems test and evaluation and fleet training worldwide.

**ESTIMATED AWARD DATE:** 1997

**PLANNED BENEFICIAL OCCUPANCY DATE:** 1998

**PROJECT:** P-773

**SPONSOR/PROG. YR.:** N091/FY99

**TITLE:** READY MISSILE MAGAZINE

**COST:** \$1.3M

**SIZE:** 5,044SF

**TYPE:** REPLACEMENT/NEW

**DESCRIPTION:** This project will provide one modified standard Type A reinforced concrete Ready-for-Issue (RFI) magazine complete with retaining walls, earth cover, loading area, security lighting and alarms. This magazine will have over size steel doors for ready ingress and egress of all-up missiles. This project will add 5,044 square feet to the high explosive storage magazine capability existing at this activity.

**ESTIMATED AWARD DATE:** 1999

**PLANNED BENEFICIAL OCCUPANCY DATE:** 2000

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ACTIVITY UIC: 63126

PROJECT: P-085

SPONSOR/PROG. YR.: N88/FY99

TITLE: JET ENGINE TEST CELL

COST: \$7.3M

SIZE: 6,900SQ of building space plus open area for fuel tanks and cooling water storage tank

TYPE: REPLACEMENT/NEW

DESCRIPTION: This project will provide a jet engine test cell of adequate size to test jet engines from modern jet aircraft. It will include acoustical-treated air intake and exhaust system, instrumentation, fire suppression system, and utilities in addition to fuel and water storage tanks

ESTIMATED AWARD DATE: 1999

PLANNED BENEFICIAL OCCUPANCY DATE: 2000

BRAC 95 DATA CALL #4

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CAPACITY

ACTIVITY UIC: 63126

PROJECT: P-183

SPONSOR/PROG. YR.: N88/FY99

TITLE: POWER CHECK PAD WITHOUT SOUND SUPPRESSION

COST: \$600K

SIZE: ONE/EACH

TYPE: ADDITIONAL/NEW

DESCRIPTION: This project will provide one high power run-up test pad for jet aircraft with capability to provide required engine tests for F-14A+ aircraft. This facility will reduce queuing delays encountered by having only one check-out facility and will permit the test pads to be temporarily taken out of service for repair without cessation of test support for aircraft maintenance.

ESTIMATED AWARD DATE: 1999

PLANNED BENEFICIAL OCCUPANCY DATE: 2000

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ACTIVITY UIC: 63126

Note 2: Special Projects (SP) currently programmed in the FYDP that will influence infrastructure:

SP#:

TITLE: CONSTRUCT WATER TANK NEAR WATER PLANT

COST: \$300K

TYPE: NEW INSTALLATION

DESCRIPTION: Installation of water storage tank to provide additional potable water storage capacity recommended to reduce the risk of base closure due to lack of water for fire protection, sanitary needs and drinking..

ESTIMATED AWARD DATE: Sep 1995

ESTIMATED CONST. START: Jan 1996

BENEFICIAL OCCUPANCY DATE: Aug 1996

SP#: P-020 (Will be converted to Special Project)

TITLE: INSTALL WATER TANK, SNI

COST: \$300K

TYPE: NEW INSTALLATION

DESCRIPTION: Install a new water tank to provide additional fire protection capability.

ESTIMATED AWARD DATE: Sep 1995

ESTIMATED CONST. START: Jan 1996

BENEFICIAL OCCUPANCY DATE: Aug 1996

SP#: C81-88

TITLE: ADDITION TO SECURITY BUILDING

COST: \$198K

TYPE: NEW INSTALLATION

DESCRIPTION: Construct a 2,200 square foot addition to the Main Base security building. Project replaces relocatable trailer spaces.

ESTIMATED AWARD DATE: Sep 1995

ESTIMATED CONST. START: Jan 1996

BENEFICIAL OCCUPANCY DATE: Aug 1996

SP#: Cxx-94

TITLE: INCREASE COOLING IN BUILDING 3008

COST: \$120K

TYPE: NEW INSTALLATION

DESCRIPTION: Additional cooling capacity is required to support equipment upgrade for the EA-6B Weapons System Support Laboratory.

ESTIMATED AWARD DATE: Sep 1995

ESTIMATED CONST. START: Jan 1996

BENEFICIAL OCCUPANCY DATE: Aug 1996

SP#: C94-93

TITLE: CONSTRUCT A DISPATCH OFFICE AT FUEL FARM

COST: \$100K

TYPE: NEW INSTALLATION

DESCRIPTION: Construct a building to house dispatch office and ready room. Includes space for field lab equipment.

ESTIMATED AWARD DATE: Sep 1995

ESTIMATED CONST. START: Jan 1996

BENEFICIAL OCCUPANCY DATE: Aug 1996

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CAPACITY**

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ACTIVITY UIC: 63126

SP#: C17-95

TITLE: CONSTRUCT OFFICE AND SHOP, SNI

COST: \$85K

TYPE: NEW INSTALLATION

DESCRIPTION: Construct an office and shop at the fuel tank farm at San Nicolas Island.

ESTIMATED AWARD DATE: Sep 1995

ESTIMATED CONST. START: Jan 1996

BENEFICIAL OCCUPANCY DATE: Aug 1996

SP#: C78-91

TITLE: CONSTRUCT 20 UNIT RV PARK

COST: \$197K

TYPE: NEW INSTALLATION

DESCRIPTION: Construct 20 unit RV park with full hookup, water, electricity, sewage, and cable TV.

ESTIMATED AWARD DATE: Sep 1994

ESTIMATED CONST. START: Jan 1995

BENEFICIAL OCCUPANCY DATE: Aug 1995

SP#:

TITLE: REHAB/EXPAND RECREATION CENTER, SNI

COST: \$195

TYPE: NEW INSTALLATION

DESCRIPTION: Rehab/expand the MWR recreation center. Redesign bar area for 20 stools, redesign kitchen work area and improve access to both restrooms.

ESTIMATED AWARD DATE: Sep 1995

ESTIMATED CONST. START: Jan 1996

BENEFICIAL OCCUPANCY DATE: Aug 1996

SP#: C149-87

TITLE: ADDITION TO YOUTH CENTER

COST: \$164K

TYPE: NEW INSTALLATION

DESCRIPTION: Room additions to youth center to be used for before and after school programs and for additional school drop-in use for various age groups.

ESTIMATED AWARD DATE: Sep 1995

ESTIMATED CONST. START: Jan 1996

BENEFICIAL OCCUPANCY DATE: Aug 1996

SP#: N/A

TITLE: DEMOLISH BUILDING 5-1

COST: \$75K

TYPE: DEMOLITION

DESCRIPTION: Demolish inadequate wood frame structure. (14,619 SF)

ESTIMATED AWARD DATE: Sep 1994

ESTIMATED CONST. START: Oct 1995

BENEFICIAL OCCUPANCY DATE: N/A

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ACTIVITY UIC: 63126

SP#: N/A  
 TITLE: ENLARGE CRASH CREW FACILITIES  
 COST: \$54K  
 TYPE: NEW INSTALLATION  
 DESCRIPTION: Enlarge restrooms, shower and dorm area. Project is required to accommodate both male and female personnel.  
 ESTIMATED AWARD DATE: Sep 1995  
 ESTIMATED CONST. START: Jan 1996  
 BENEFICIAL OCCUPANCY DATE: Aug 1996

SP#: N/A  
 TITLE: CONSTRUCT DOME FOR RF ANTENNA  
 COST: \$45K  
 TYPE: NEW INSTALLATION  
 DESCRIPTION: Construct equipment shelter for testing and evaluating various RF antenna configurations.  
 ESTIMATED AWARD DATE: Sep 1995  
 ESTIMATED CONST. START: Jan 1996

a. Utilize Table 5.1 below to provide information on your activity's base infrastructure capacity and load. Do not report this information if you are a tenant activity.

Table 5.1. Base Infrastructure Capacity and Load (Main Base)

Main Base Point Mugu (See Note #1)	On-Base Capacity (see Note 2)	Off-Base Long-Term Contract (Capacity) (see Note 3)	Normal Steady-State Load	Peak Demand
Electrical Supply (kW)*	44,000	4,500,000	8,000	13,000
Natural Gas (CFH)	260,000	260,000	4,000	26,000
Sewage (GPD)	4,000,000	1,000,000	260,000	460,000
Potable Water (GPD)	5,760,000	5,760,000	860,000	1,520,000
Steam (PSI & lbm/hr)	N/A	N/A	N/A	N/A
Long-Term Parking	8770			
Short-Term Parking	83			

\*The values for electrical supply are reported as Kilowatts (kW) vice Kilowatt hours (kWH) as designated in the data call.

Notes:

- (1) Remote locations with insignificant growth potential are not included.
- (2) The maximum capacity of the Station based on existing infrastructure.
- (3) The ability of the Station to procure, through contract, additional utilities. The numbers in this column reflect the providers maximum excess capacity that can be procured by the Station.

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(4) Electrical service is provided to Point Mugu by Southern California Edison (SCE). SCE's capacity is presently 25% greater than the existing demand. SCE is able to deliver additional capacity to meet expansion of mission at Point Mugu. This amounts to an additional 4,500,000 KW and would be provided at no additional cost to Point Mugu (simply pay the existing commercial rate for demand). Present on-Base capacity, determined by the ampacity of three main 16.5 KV three-phase feeders, is currently 44,000 KW. Normal steady-state load is based on the 12-month average for electrical use. Existing peak demand, based on summer loading conditions, is only 13,000 KW. Point Mugu can easily quadruple the existing demand with some demand side management at no additional cost. Figures are based on CY 93 data.

(5) Natural gas is provided to the Station through contract with The Gas Company for housing core services and transportation of gas purchased through Defense Fuel Supply Center (DFSC) for commercial use. DFSC would simply contract for more gas supplies at the well head. The Gas Company would be able to provide transmission in excess of 260,000 CFH with their existing system. Point Mugu's existing peak demand is only 26,000 CFH. If a 10-fold increase in demand is required, we would be able to change out an existing meter, add regulators downstream, and distribute the 260,000 CFH with no significant changes to the infrastructure. The gas distribution systems to and throughout Point Mugu have sufficient capacity to accept significant additional growth. Figures are based on CY 93 data. Additionally, Point Mugu has been recognized numerous times for its energy efficiency. Heating systems are typically energy efficient natural gas. Point Mugu has no efficiency losses due to steam boiler plants and steam distribution leakage. A mild climate at Point Mugu allows for minimal heating and cooling requirements, further reducing energy requirements for future expansion.

(6) The on-Base capacity is the amount of sewage effluent that could be processed by NAWS, Point Mugu with the use of the existing infrastructure and sent to Oxnard Waste Water Treatment Plant for final treatment. NAWS Point Mugu processes approximately 260,000 GPD on an average with a peak demand of 460,000 GPD based on CY92 and CY 93 data.

(7) The on-Base capacity is the amount of water capable of being supplied to NAWS, Point Mugu from United Water Conservation District through existing infrastructure. The on-Base capacity of 5,760,000 GPD is the amount of water that NAWS Point Mugu could process if supplied. NAWS Point Mugu uses approximately 860,000 GPD on an average with a peak demand of 1,520,000 GPD based on CY92 and CY93 data.

Table 5.1. Base Infrastructure Capacity and Load (San Nicolas Island)

San Nicolas Island	On-Base Capacity (see Note 1)	Off-Base Long- Term Contract	Normal Steady- State Load	Peak Demand
Electrical Supply (kW)	3,500	N/A	600	1,050
Natural Gas (CFH)	N/A	N/A	N/A	N/A
Sewage (GPD)	100,000	N/A	9,500	32,000
Potable Water (GPD)	60,000	N/A	19,400	30,000
Steam (PSI & lbm/Hr)	N/A	N/A	N/A	N/A
Long-Term Parking	N/A	N/A	N/A	N/A
Short-Term Parking	N/A	N/A	N/A	N/A

## Notes:

- (1) The maximum capacity of the Station based on existing infrastructure.
- (2) San Nicolas Island provides its own power generation with five engine-generators. The combined capacity of the units is 3,500 KW. Current peak demand is only 1,050 KW. Additionally, demand side management could be provided to increase the capacity to well over three times existing demand. Figures are based on CY 93 data.
- (3) Natural gas is not used at San Nicolas Island.
- (4) The on-Base capacity is the amount of sewage effluent that could be processed by the Island's existing infrastructure. The Island processes an average of 9,500 GPD with a peak demand of 32,000 GPD based on CY 92 and CY 93 data.
- (5) The on-Base capacity of 60,000 is the amount of water that can be processed from the existing fresh water wells, springs, collection systems, surface water treatment plant, and saltwater reverse osmosis system. The Island uses an average of 19,400 GPD with a peak demand of 30,000 GPD based on CY 92 and CY 93 data.

b. Maintenance, Repair & Equipment Expenditure Data: Use Table 5.2 below to provide data on facilities and equipment expenditures at your activity. Project expenditures to FY1997. Do not include data on Detachments who have received this Data Call directly. Do not report this information if you are a tenant activity. The following definitions apply:

Maintenance of Real Property (MRP) Dollars: MRP is a budgetary term used to gather the expenses or budget requirements for facility work including recurring maintenance, major repairs & minor construction (non-MILCON) inclusive of all Major Claimant funded Special Projects. It is the amount of funds spent on or budgeted for maintenance and repair of real property assets to maintain the facility in satisfactory operating condition. For purposes of this Data Call MRP includes all M1/R1 and M2/R2 expenditures.

Current Plant Value (CPV) of Class 2 Real Property: The hypothetical dollar amount to replace a Class 2 facility in kind with today's dollars. Example: the cost today to replace a wood frame barracks with a wood frame barracks.

Acquisition Cost of Equipment (ACE): The total cumulative acquisition cost of all "personal property" equipment maintained at your activity which includes the cost of installed equipment directly related to mission execution, such as lab test equipment. Class 2 installed capital equipment that is an integral part of the facility will not be reported as ACE.

Table 5.2 Maintenance, Repair and Equipment Expenditure Data  
for NAWCWPNS Point Mugu (UIC: N63126)

Fiscal Year	MRP (\$M)	CPV (\$M)	ACE (\$M)*
1985	9.3	664.0	138.7
1986	13.1	688.0	155.6
1987	18.6	713.0	157.9
1988	16	757.0	238.2
1989	17.1	736.0	251.7
1990	31.3	762.5	269.5
1991	28.4	759.2	275.2
1992	20.7	777.6	260.3
1993	24.1	840.8	260.8
1994	24.4	881.5	258.9
1995	18.0	911.1	258.9
1996	17.5	941.7	258.7
1997	17.1	973.3	258.1

\*The figures in this column do not fully represent the true value of equipment at NAWCWPNS Point Mugu because they do not include the costs of (a) some special equipment fabricated and delivered under contract, (b) military hardware provided by sponsors, (c) equipment designed and fabricated by Point Mugu technical personnel, (d) cost of setting up facilities and equipment.

c. Training Facilities:

(1) By facility Category Code Number (CCN), provide the usage requirements for each course of instruction required for all formal schools on your installation. A formal school is a programmed course of instruction for military and/or civilian personnel that has been formally approved by an authorized authority (i.e.: Service Schools Command, Weapons Training Battalion, Human Resources Office). Do not include requirements for maintaining unit readiness, GMT, sexual harassment, etc. Include all applicable 171-xx, 179-xx CCNs.

R

Type of Training Facility/CCN	School	Type of Training	FY1993 Requirements			FY 2001 Requirements		
			A	B	C	A	B	C
171-10	Academic	Contractor Courses	3217	32.5	104,553	2734	32.5	88,855
171-20	Applied Instr	Technical Lab	142	32.5	4,615	120	32.5	3,900
171-25	Aud & Lounge	General Purpose	5000	2.0	10,000	2400	2.0	4,800

## Notes:

A = Students per year

B = Number of hours each student spends in this training facility for the type of training received

C = A x B

(2) By Category Code Number (CCN), complete the following table for all training facilities aboard the installation. Include all 171-xx and 179-xx CCNs.

**For example:** in the category 171-10, a type of training facility is academic instruction classroom. If you have 10 classrooms with a capacity of 25 students per room, the design capacity would be 250. If these classrooms are available 8 hours a day for 300 days a year, the capacity in student hours per year would be 600,000.

Type Training Facility/CCN	Total Number	Design Capacity (PN) <sup>1</sup>	Capacity (Student Hrs/Yr)
171-10	8	136	282,880
171-20	1	22	45,760
171-25	2	120	249,600

(3) Describe how the Student HRS/YR value in the preceding table was derived.

Student hours per year were derived by the average number of time in classrooms. For Short Courses the average was 24 hours (since many classes are anywhere from 1 to 5 days, 3 days was considered average). The number of average hours was then multiplied by the average number of seats filled in a class, not the maximum capacity. For a classroom seating 40 people, 25 was the average capacity. Likewise, Academic Classes were considered to have an average enrollment of 12 students per class and have an average length of 36 hours per student (36 semester hours).

<sup>1</sup> Design Capacity (PN) is the total number of seats available for students in spaces used for academic instruction; applied instruction; and seats or positions for operational trainer spaces and training facilities other than buildings, i.e., ranges. Design Capacity (PN) must reflect current use of the facilities.

Type of Training Facility/CCN	School	Type of Training	FY1993 Requirements			FY 2001 Requirements		
			A	B	C	A	B	C
171-10	Academic	Contractor Courses	3217	6432	20,691,744	2734	5467	14,946,778
171-20	Applied Instr	Technical Lab	142	372	52,824	120	316	37,920
171-25	Aud & Lounge	General Purpose	5000	200	IM	2400	96	230,400

Notes:

A = Students per year

B = Number of hours each student spends in this training facility for the type of training received

C = A x B

(2) By Category Code Number (CCN), complete the following table for all training facilities aboard the installation. Include all 171-xx and 179-xx CCNs.

*For example:* in the category 171-10, a type of training facility is academic instruction classroom. If you have 10 classrooms with a capacity of 25 students per room, the design capacity would be 250. If these classrooms are available 8 hours a day for 300 days a year, the capacity in student hours per year would be 600,000.

Type Training Facility/CCN	Total Number	Design Capacity (PN) <sup>1</sup>	Capacity (Student Hrs/Yr)
171-10	8	136	282,880
171-20	1	22	45,760
171-25	2	120	249,600

(3) Describe how the Student HRS/YR value in the preceding table was derived.

Student hours per year were derived by the average number of time in classrooms. For Short Courses the average was 24 hours (since many classes are anywhere from 1 to 5 days, 3 days was considered average). The number of average hours was then multiplied by the average number of seats filled in a class, not the maximum capacity. For a classroom seating 40 people, 25 was the average capacity. Likewise, Academic Classes were considered to have an average enrollment of 12 students per class and have an average length of 36 hours per student (36 semester hours).

<sup>1</sup> Design Capacity (PN) is the total number of seats available for students in spaces used for academic instruction; applied instruction; and seats or positions for operational trainer spaces and training facilities other than buildings, i.e., ranges. Design Capacity (PN) must reflect current use of the facilities.

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In FY93 we had 8 classrooms with a capacity of 136. The classrooms were available 8 hrs, 260 days per year, and measures 136 x 2080. We had one technical laboratory with a capacity of 22. The laboratory is available 8 hours, 260 days per yr, and measures 22 x 2080. We had one auditorium with a capacity of 100; one meeting room with a capacity of 20. The auditorium is available 8 hrs, 260 days per yr, and measures 120 x 2080.

**6. Ship Berthing Capacity.** *If your activity has the capacity to berth ships fill out the data sheets provided at TAB A.*

**7. Operational Airfield Capacity.** *If your activity owns and operates an operational airfield fill out the data sheets provided at TAB B.*

**8. Depot Level Maintenance Capacity.** *Fill out the data sheets provided at TAB C if you or your subordinate activities perform depot level maintenance on a piece of equipment or system.*

**9. Ordnance Storage Capacity.** *If your activity has the capability to store or maintain weapons and ordnance fill out the data sheets provided at TAB D.*

**TAB A**

**SHIP BERTHING CAPACITY**

**Note:** Question numbers in [ ]'s are for internal BSAT purposes.

## SHIP BERTHING CAPACITY

1. [11.] *For each Pier/Wharf at your facility list the following structural characteristics. Indicate the additional controls required if the pier is inside a Controlled Industrial Area or High Security Area. Provide the average number of days per year over the last eight years that the pier was out of service (OOS) because of maintenance, including dredging of the associated slip:*

Note: The following information regards the space utilized by the Point Mugu site of the Weapons Division at the Naval Construction Battalion Center (NCBC), Port Hueneme. The information contained in Table 11.1 was provided by NCBC even though NAWCWPNS mission. Located 60 miles north of Los Angeles/Long Beach Harbor, Port Hueneme Harbor provides direct, adjacent access to the Sea Test Range. While handling a moderate amount of commercial cargo traffic, a significant amount of the harbor is dedicated to Navy and Military Sealift Command. It provides the only deep water port on the West Coast available for target ship operations. Port Hueneme, by virtue of its location, provides for efficient and cost-effective deployment of a variety of surface targets in support of weapon system test and evaluation as well as for Fleet training. The harbor geography allows for utilization of all surface threats from small, remote-controlled fiberglass vessels, tow targets, DD-class target ships, as well as the next-generation Mobile Ship Target. Adjacent docks, piers, and buildings allow for all major target conversion, modifications, and repairs, apart from scheduled large ship dry-docking, to be completed on the Navy's facilities. Direct land access to NAWCWPNS Point Mugu allows for efficient utilization of organic technical expertise required in the multidisciplinary nature of test and evaluation. Through an interservice support agreement with Naval Construction Battalion, Port Hueneme, nearly 45,000 square feet of buildings on eight acres of land are dedicated to surface targets development, operations, and maintenance and surface craft operations; in addition, berthing is provided for seaborne target boats, ships, barges, and specially configured test platforms. Unique seaborne targets and target augmentation systems are developed to provide threat simulation capabilities commensurate with various weapons programs' requirements. These systems are provided for T&E of weapons systems and Fleet training at Point Mugu site and for seven other seaborne target operating sites worldwide. Ships are converted and developed into either target systems or into weapons development test platforms. This capability is unique within DOD. Similarly, seaborne target systems ranging from towed decoys to self-propelled target ships are developed.

Regarding Surface Craft. NAWCWPNS surface operations capabilities include a fleet of four 85-foot aviation rescue vessels and one 82-foot patrol boat. This capability is integral to the operation of the Sea Test Range. The surface craft are used for target and weapon recovery support, surface target escort, buoy deployment and recovery logistic support, passenger transit to the offshore islands, range clearance, special support (e.g., radar target for surface search radar test operations), and policing support to NCBC and NAWCWPNS security offices. The surface craft are used in support of Vandenberg AFB for range clearance for all missile and polar orbiting satellite launches and, when required, for Vandenberg AFB recovery operations. The Surface Craft Division owns three floating finger piers and a three-section main trunk floating pier. These floating piers provide the moorage and in-water repair site availability to economically operate, moor, and maintain the Surface Craft Division's five boats. These piers are at the quay wall between Wharfs 6 and "C" at the Construction Battalion Center Port Hueneme held in place by ten 36-inch-diameter half-inch wall thickness steel pilings. The piers were put into service in January 1994. The finger piers are 55 feet long by 6 feet wide. Each slip can accommodate a vessel beam width of up to 20 feet and length of up to 90 feet. The piers are not in a CIA/Security area. In the past 8 years the piers have been out of service for approximately 45 days.

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The data in the following table were provided by the NCBC Port Hueneme Public Works Department.

Pier/ Wharf & Age <sup>1</sup>	CCN <sup>2</sup>	Moor Length (Ft)	Design Dredge Depth <sup>3</sup> (Ft) (MLLW)	Slip Width <sup>4</sup> (Ft)	Pier Width (Ft) <sup>5</sup>	CIA/Security Area? (Y/N) <sup>6</sup>	ESQD Limit <sup>7</sup> **	# Days OOS for Maint.
1/22		1800	35	N/A	RO/RO	*	0	0
2/38		1400	35	N/A	RO/RO	*	0	0
3/38	152-20	1050	35	N/A	RO/RO	*	-	
4/36	152-20	1200	35	N/A	RO/RO	*	-	
5/22	152-20	590	35	N/A	RO/RO	*	500**	15
6/29	152-20	783	35	N/A	-	*	500**	20
B/50	155-20	272	35	N/A	-	*	0	0
C/50	155-20	247	35	60	-	*	0	0
Small Craft	155-20	248	12	N/A	-	NC*	0	N/A

Note: ESQD - Explosive Safety Quantity Distance

\*The entire wharf area is fenced and can be secured.

\*\*Chief of Naval Operations Waiver #CBC PORHUE 1E-76 of 31 Mar 95.

*<sup>1</sup>Original age and footnote a list of MILCON improvements in the past 10 years.*

*<sup>2</sup>Use NAVFAC P-80 for category code number.*

*<sup>3</sup>Comment if unable to maintain design dredge depth*

*<sup>4</sup>Water distance between adjacent finger piers.*

*<sup>5</sup>Indicate if RO/RO and/or Aircraft access.*

*<sup>6</sup>Describe the additional controls for the pier.*

*<sup>7</sup>Net explosive weight. List all ESQD waivers that are in effect with expiration date.*

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**2. [12.] For each Pier/Wharf at your facility list the following ship support characteristics:**

The data in the following table were provided by the NCBC Port Hueneme Public Works Department.

Pier/ Wharf	OPNAV 3000.8 (Y/N)	Shore Pwr (KVA) & 4160V (KVA)	Comp. Air Press. & Capacity <sup>1</sup>	Potable Water (GPD)	CHT (GPD)	Oily Waste <sup>1</sup> (GPD)	Steam (lbm/hr & PSI) <sup>2**</sup>	Fendering Limits <sup>3</sup>
1	N	None	None	Yes	None	None	None	None
2	N	None	None	Yes	None	None	None	None
3	N	150 @ 120/208 0 @ 4160	None	648,000	576,000	None		*
4	N	150 @ 120/208 1500 @ 480 1500 @ 4160 5000 @ 12 KV	None	648,000	576,000	None		*
5	N	110 @ 120/208 2500 @ 480	None	792,000	576,000	None		*
6	N	150 @ 120/208	None	864,000	576,000	None		
B	N	None	None	Hose Bibb	None	None	None	None
C	N	1500@480	None	Hose Bibb	None	None	None	None
Small Craft	N	112 @ 480	None	Hose Bibb	None	None	None	None

Notes:

\*Camel logs cut water line

\*\*Steam available with portable unit

<sup>1</sup>List only permanently installed facilities.

<sup>2</sup>Indicate if the steam is certified steam.

<sup>3</sup>Describe any permanent fendering arrangement limits on ship berthing.

Regarding Surface Craft. All piers used by the Surface Craft Division have 220/440 volt shore power Stations. Compressed air is provided by a portable air compressor co-located with a 1,000-gallon-capacity oil/water separator. There is no potable water, sewage, or steam available at the piers.

**3. [13.] For each pier/wharf listed above state today's normal loading, the maximum capacity for berthing, maximum capacity for weapons handling evolutions, and maximum capacity to conduct intermediate maintenance.**

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The data in the following table were provided by the NCBC Port Hueneme Public Works Department.

Pier/Wharf	Typical Steady State-Loading <sup>1</sup>	Ship Berthing Capacity	Ordnance Handling Pier Capacity <sup>2</sup>	IMA Maintenance Pier Capacity <sup>3</sup>
1	Commercial Cargo	3	0	3
2	Commercial Cargo	2	0	2
3	AEGIS-Class Destroyer	1	0	1
4	AEGIS-Class Destroyer	2	0	2
5	FFG	1	1	1
6	AEGIS-Class Destroyer	1	1	1
B	T-AGOS Research	1	0	1
C	T-AGOS	1	0	1

Notes:

Each floating finger pier is able to accommodate two 50- to 90-foot vessels or four QST-33 Seaborne Powered Targets (SEPTARs). There is no ordnance handling capability at any of the finger piers. All Intermediate Maintenance Activity support can be handled from the quay wall.

Regarding surface targets, the steady-state berthing requirement for four target ships plus several smaller vessels is 2,000 linear feet. Periodic ordnance loading is required.

<sup>1</sup>Typical pier loading by ship class with current facility ship loading.

<sup>2</sup>List the maximum number of ships that can be moored to conduct ordnance handling evolutions at each pier/berth without berth shifts. Consider safety, ESCD, and access limitations.

<sup>3</sup>List the maximum number of ships that can be serviced in maintenance availabilities at each pier without berth shifts because of crane, laydown or access limitations.

**4. [14.]** For each pier/wharf listed above, based on Presidential Budget 1995 budgeted infrastructure improvements in the Presidential Budget 1995 through FY1997 and the BRAC-91 and BRAC-93 realignments, state the expected normal loading, the maximum capacity for berthing, maximum capacity for weapons handling evolutions, and maximum capacity to conduct intermediate maintenance.

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The data in the following table were provided by the NCBC Port Hueneme Public Works Department.

Pier/ Wharf	Typical Steady State-Loading <sup>1</sup>	Ship Berthing Capacity	Ordnance Handling Capacity <sup>2</sup>	Maintenance Pier Capacity <sup>3</sup>
3	AEGIS-Class destroyer	1	0	1
4	AEGIS-Class destroyer	2	0	2
5	FFG	1	1	1
6	AEGIS-Class	1	1	1

Notes:

Regarding Surface Craft: Typical pier loading will be three 85-foot aviation rescue vessels, one 82-foot patrol boat, and two 55-foot QST-35 SEPTARs. There will be no change in ordnance handling or intermediate maintenance activity support capacities.

Regarding Surface Targets: The steady-state berthing requirement for four target ships plus several smaller vessels is 2000 lineal feet. Periodic ordnance loading is required.

*<sup>1</sup> Typical pier loading by ship class with current facility ship loading.*

*<sup>2</sup> List the maximum number of ships that can be moored to conduct ordnance handling evolutions at each pier/berth without berth shifts. Consider safety, ESQD and access limitations.*

*<sup>3</sup> List the maximum number of ships that can be serviced in maintenance availabilities at each pier without berth shifts because of crane, laydown, or access limitations.*

**5. [15.a.]** *How much pier space is required to berth and support ancillary craft (tugs, barges, floating cranes, etc.) currently at your facility? Indicate if certain piers are uniquely suited to support these craft.*

For the NCBC Port Hueneme Complex itself (NCBC command), 5,000 linear feet of berthing is required for ancillary craft. Wharf 4 South is the primary berthing for these craft. The floating crane, 175 feet in length, requires shore power and must stay on either Wharf 4 or Wharf 5.

Regarding Surface Targets. 2,000 lineal feet are required. Selected piers are required for loading ordnance.

Regarding Surface Craft. All surface craft vessels are "ancillary craft" and all floating piers were constructed specifically for these craft.

**6. [15.b.]** *What is the average pier loading in ships per day due to visiting ships at your base. Indicate if it varies significantly by season.*

For the NCBC Port Hueneme Complex itself (NCBC command), there is an average of 16 ships per day (loading across all wharves/berths). These vessels average approximately 500 feet in length.

Regarding Surface Targets. NAWCWPNS "home ports" four target ships, one support boat, and two target boats at Port Hueneme. Other vessels require periodic transient berthing.

Regarding Surface Craft. Visiting small boat pier loading rarely exceeds one per month.

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7. [15.c.] *Given no funding or manning limits, what modifications or improvements would you make to the waterfront infrastructure to increase the cold iron ship berthing capacity of your installation? Provide a description, cost estimates, and additional capacity gained.*

For the NCBC Port Hueneme Complex itself (NCBC command), permanent power and steam on all wharves and improved fendering system cost would be \$4 million to \$6 million.

Regarding Surface Targets. A new Tractor tug (1,500 hp at \$1.1 million) and a floating crane (YD refurbish used system for \$600K) would increase efficiency.

Regarding Surface Craft. No modifications or improvements are necessary.

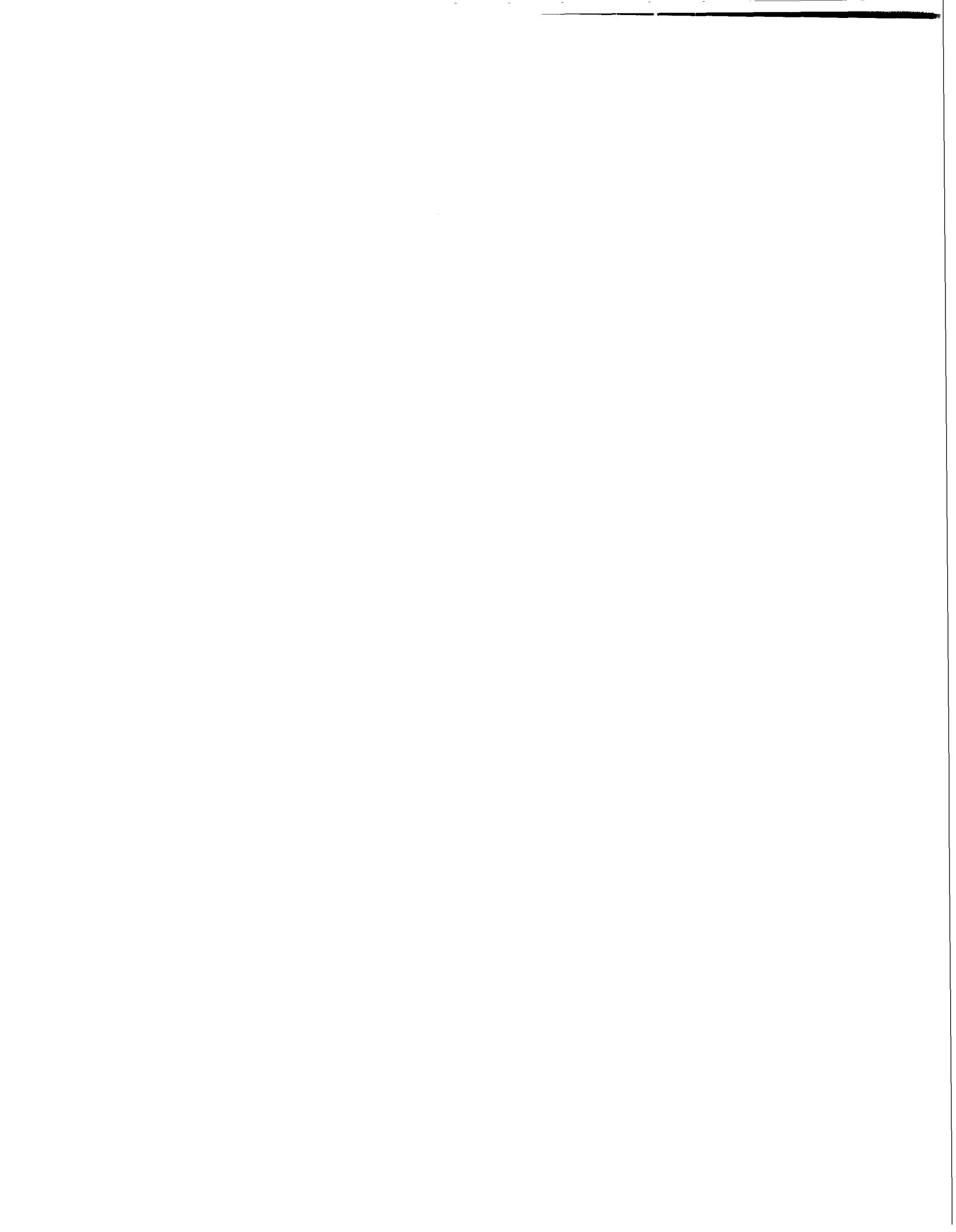
8. [15.d.] *Describe any unique limits or enhancements on the berthing of ships at specific piers at your base.*

The NCBC deep water harbor is an integral part of the NAWCWPNS mission. Located 60 miles north of Los Angeles/Long Beach Harbor, Port Hueneme Harbor provides direct, adjacent access to the Sea Test Range. While handling a moderate amount of commercial cargo traffic, a significant amount of the harbor is dedicated to Navy and Military Sealift Command. It provides the only deep water port on the West Coast available for target ship operation. Port Hueneme, by virtue of its location, provides for efficient and cost-effective deployment of a variety of vessels. It provides the only surface targets in support of weapon system test and evaluation, as well as for Fleet training. The harbor geography allows for utilization of all surface threats from small, remote-controlled fiberglass vessels, tow targets, DD-class target ships, as well as the next-generation Mobile Ship Target. Adjacent docks, piers and buildings allow for all major target conversion, modifications, and repairs, apart from scheduled large ship dry-docking, to be completed on the Navy's facilities. Direct land access to NAWCWPNS Point Mugu allows for efficient utilization of organic technical expertise required in the multidisciplinary nature of test and evaluation. Through an interservice support agreement with Naval Construction Battalion, Port Hueneme, nearly 45,000 square feet of buildings on 8 acres of land are dedicated to Surface Targets development, operations and maintenance, and surface craft operations; in addition, berthing is provided for seaborne target boats, ships, barges, and specially configured test platforms. Unique seaborne targets and target augmentation systems are developed to provide threat simulation capabilities commensurate with various weapons programs' requirements. These systems are provided for T&E of weapons systems and Fleet training at Point Mugu site and for seven other seaborne target operating sites worldwide. Ships are converted and developed into either target systems or weapons development test platforms. This capability is unique within DOD. Similarly, seaborne target systems ranging from towed decoys to self-propelled target ships are developed. No commercial facilities in Ventura County can accommodate the Surface Craft Division's vessels and provide daily vessel moorage co-located with preventive and corrective maintenance facilities. Berthing in Los Angeles or Santa Barbara County facilities would most significantly increase the cost of doing business for NAWCWPNS and its customers.

TAB A

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**TAB B**

**OPERATIONAL AIRFIELD CAPACITY**

**Note:** Question numbers in []'s are for internal BSAΓ purposes.

1. [1a.] For the main airfield and each auxiliary airfield, answer the following questions:

Airfield Name: NAWS Point Mugu (Main Base)

For each runway, give its designation, length, width, load capacity, lighting configurations, and arresting gear types. For each runway list any approach obstructions or any restrictions on flight patterns.

Runway	Length (Ft)	Width (Ft)	Max load (lbs) (See note #1)	Lighting (See note #2)				Arresting Gear Type(s)
				F	P	C	N	
3-21	11,100	200	700,000		X			2 E-28 Bidirectional
9-27	5,500	200	766,000		X			2 E-28 Bidirectional

Notes:

- (1) All loadings are in terms of a C5-A. Load shown is the maximum average load of all features of the location ID.
- (2) Partial lighting: Runway edge, threshold, and approach lighting available.

F = Full lighting (runway edge, center, and threshold)  
 P = Partial lighting (less than full)  
 C = Carrier deck lighting simulated  
 N = No lighting

Airfield Name: San Nicolas Island

For each runway, give its designation, length, width, load capacity, lighting configurations, and arresting gear types. For each runway list any approach obstructions or any restrictions on flight patterns.

Runway	Length (Ft)	Width (Ft)	Max load (lbs) (See note #1)	Lighting (See note #2)				Arresting Gear Type(s)
				F	P	C	N	
12-30	10,003	200	398,000		X			2 E-28, Bidirectional

Notes:

- 1. All loadings are in terms of a C5-A. This value is within the operating weight of the design aircraft. Load shown is the maximum average load of all features of the location ID.
- 2. Partial lighting: Runway edge, threshold, and approach lighting available.

F = Full lighting (runway edge, center, and threshold)  
 P = Partial lighting (less than full)  
 C = Carrier deck lighting simulated  
 N = No lighting

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2. [1b.] Provide the composition (concrete, asphalt) and load bearing capacity of your aprons, ramps and taxiway.

Apron/Ramp/Taxiway Location - ID	SF (x1000)	Comp. (note #2)	Load-Bearing Capacity (lbs)	Comments
North/South Taxiway	267/387	PCC/AC	597,000	See note #1
East/West Taxiway	277	PCC	800,000	See note #1
Taxiway A	66	AC	604,000	See note #1
Taxiway B	131	AC	611,000	See note #1
Taxiway C	105	AC	625,000	See note #1
Taxiway D	124	AC	442,000	See note #1
Taxiway 1	98	PCC	622,000	See note #1
Taxiway 2	27	AC	556,000	See note #1
Taxiway 3	27	AC	774,000	See note #1
Taxiway 5	104	PCC	685,000	See note #1
Taxiway 5A	27	AC	438,000	See note #1
Taxiway 6	55	PCC	800,000	See note #1
Taxiway 7	16/15	AC/PCC	658,000	See note #1
Taxiway 8	8	AC/PCC	777,000	See note #1
Taxiway 9	28/10	AC/PCC	671,000	See note #1
Taxiway 10	42	PCC	800,000	See note #1
Parking Apron 1A	457	PCC	654,000	See note #1
Parking Apron 2	44/17	AC/PCC	729,000	See note #1
Parking Apron 2A	1,398	PCC	652,000	See note #1
Parking Apron 3	106/90	AC/PCC	515,000	See note #1
Parking Apron 3A	169	PCC	468,000	See note #1
Parking Apron 4	118/55	AC/PCC	718,000	See note #1
Parking Apron 6	207/22	AC/PCC	489,000	See note #1
Parking Apron 7	975	PCC	637,000	See note #1
Parking Apron 8	90/14	AC/PCC	642,000	See note #1
Compass Rose	78/11	AC/PCC	580,000	See note #1
High Power Runup	30/9	ACj/PCC	634,000	See note #1
Wash Rack 1A	12	PCC	739,000	See note #1
Wash Rack 3A	42	PCC	397,000	See note #1
Wash Rack 6	22/14	AC/PCC	601,000	See note #1

Notes:

1. All loadings are in terms of a C5-A. Load shown is the maximum average load of all features of the location ID.

2. PCC = Portland Cement Concrete; AC = Asphaltic Concrete.

2. [1b.] *Provide the composition (concrete, asphalt) and load bearing capacity of your aprons, ramps and taxiway.*

Apron/Ramp/Taxiway Location - ID	SF	Comp. (Note #2)	Load-Bearing Capacity	Comments
Taxiway 12-30	750,000	AC	318,000	See note #1
Taxiway A	31,875	AC	318,000	See note #1
Taxiway B	31,875	AC	318,000	See note #1
Taxiway C	31,875	AC	840,000	
Taxiway D	31,875	AC	840,000	
Apron	450,000	AC/PCC	318,000	See note #1

Notes:

1. The minimum operating weight of a C5-A is 318,000 lbs. Allowable load is less than the minimum operating weight of the design aircraft. Repairs are currently under way to further increase the capacity to accommodate occasional use of C5-As.

2. PCC = Portland Cement Concrete; AC = Asphaltic Concrete.

3. [1c.] *Do you have high speed taxiways? Discuss number and impact on airfield operations.*

There are no high-speed taxiways at NAWS Point Mugu. Taxiways do not meet criteria of NAVFAC DM 21, Airfield Pavements, Chapter 2, Section 4.

4. [1d.] *Are all runways with approved instrument approaches served by hi-speed taxiways?*

There are no high-speed taxiways at NAWS, Point Mugu.

5. [1e.] *List any restrictions to runways with approach obstructions or any restrictions on flight patterns. Explain*

Main Base: Circling is not authorized east of Runway 3-21 because of high terrain. Noise abatement is in effect from 1800-0800. Aircraft avoid populated areas when possible due to extremely noise-sensitive area. Runway configuration during these times is landing on Runway 3 and departure from Runway 21. Other restrictions include no instrument/IFR departures on Runway 9 and no instrument approaches on runway 9-27 due to high terrain east of airfield.

San Nicolas Island: All patterns must remain over water.

6. [1f.] *For the main airfield and each auxiliary and outlying field, discuss any runway design features that are specific to particular types of aircraft (i.e., are the airfield facilities designated primarily fixed wing jet, prop, or helo aircraft?)*

Main Base: Airport is designed primarily for tailhook-equipped fixed-wing jet aircraft. Two helicopter landing areas are also designated. E-28 arresting gear is located on each runway. Runway surfaces are CAT Code 111.10 per NAVFAC P-80.

San Nicolas Island: Airfield is designed for fixed-wing aircraft and helicopter.

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**7. [2a.]** List the number of flight operations (take-off, landing, or approach without landing) that the main airfield and all auxiliary fields can support on an hourly basis in both VMC and IMC. Comment on the factors at each field that limit this capacity (e.g., taxiway/runway limitations, airspace, ATC restrictions, environmental restrictions).

Airfield	# Flight Ops/Hr		Comments on Limiting Factors
	IMC	VMC	
Main	25	75	Statistically, a 6-year average indicates an hourly rate of 12 aircraft to this airport, and a combined average workload of 36 operations, including all other airports we service. Our final approach course crosses two civilian airports and limits our surge capacity in IMC. Provided no other limiting factors exist, we estimate 25 IMC operations per hour, including departures and arrivals.
Auxiliary San Nicolas Island	6	15	Single position control tower, single bay GCA, lack of support services personnel, lack of ramp space.

**8. [2b.]** Provide the average number of (historical) flight operations per month conducted at this Station and the total number of days during which these operations were conducted. If data is not normally recorded, include estimates (and how derived). A flight operation is defined as a take-off, landing, or approach without a landing.

FY	Main Airfield		Auxiliary Field San Nicolas Island		Auxiliary Field		Auxiliary Field	
	# Ops	# Days	# Ops	# Days	# Ops.	# Days	# Ops.	# Days
1991	4,867	30	160	22				
1992	4,876	30	154	22				
1993	4,617	30	155	22				

Note: The Point Mugu ATC handles traffic at three civilian airports in Ventura County. The chart below shows the amount of traffic at the civilian airports.

FY	Main Airfield		Auxiliary Field Oxnard Airport		Auxiliary Field Camarillo Airport		Auxiliary Field Santa Paula Airport	
	# Ops	# Days	# Ops	# Days	# Ops.	# Days	# Ops.	# Days
1991			4,437	30	9,705	30	5	30
1992			4,251	30	9,359	30	12	30
1993			3,941	30	9,162	30	5	30

**9. [2c.]** What percent of your flight operations are Fleet Carrier Landing Practices (FCLPs)?

Main Base: 3% of total operations  
San Nicolas Island: No FCLPs



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15. [4.] List all NAVAIDS with published approaches that support the main airfield and/or your auxiliary airfields. Note any additions/upgrades to be added between now and FY1997.

Main Base NAVAID	Description/Location
NTD TACAN -CH 43	Located 34° 07.4'N 119° 07.03' W at Airfield 10/15° E Unmonitored when field closed. TACAN unusable 060°-110° beyond 15 NM below 5000'.
CMA VORW* -DME 115.8 CH 105 (W* =Without voice facility)	Located 34° 12.8' N 119° 05.6'W at field 263° 5.7 nmi to Oxnard 62/15° 00'E. VOR-DME unusable 276° -300° beyond 20 nmi, below 14,000', and 315°-245° beyond 20 nmi, below 14 000'.
VTU VOR-DME, VORTACW* 108.2, CH 19 (W* = Without voice facilities)	Located 34° 06.9' N 119° 02.9' W, 303° 9.4 nmi to Oxnard 1560/15° 00 E. VOR unusable 060°-110° beyond 20 nmi, below 7,000'; 060°-110° beyond 20 nmi, below 8,000'; 230°-255° beyond 26 nmi, below 5,000'; 315°-360° beyond 13 nmi, below 8,400'. TACAN unusable 060°-110° beyond 15 nmi, below 7,000'; 060°-110° beyond 20 nmi, below 13,000'.
FIM, *ABVORTAC, 112.5, CH72 (*AB=Continuous automatic transcribed weather broadcasts service)	Located 34° 21.4' N 118° 52.8' N, 2200/15° 00' E, VORTAC unusable 280°-310° beyond 20 nmi, below 9,000'; 310°-360° beyond 20 nmi, below 10,400'.
NTD ILS, 109.3, CH 30	Located on airfield. Unmonitored 2200-0600L.

San Nicolas Island NAVAID	Description/Location
FPN 36 (ASR/PAR)	Located on airfield
TACAN	Located on airfield
NDB	Located on airfield
EXPECT ILS (FY95)	Located on airfield

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**16. [5a.]** List all active duty Navy/USMC squadrons/detachments and the number of aircraft by type, model, and series (T/M/S), that will be permanently Stationed/are scheduled to be Stationed at this air Station at the end of the indicated fiscal years.

Squadron/Det	# of Aircraft (PAA)	Aircraft (T/M/S)	FY 1994	FY 1995	FY 1997	FY 1999	FY 2001
VX-4*	3	F-14A	4	4	6	2	2
VX-4	1	F-14B	2	2	2	2	2
VX-4	4	F-14D	2	2	2	2	2
VX-4	4	F/A-18A	2	2	2	1	1
VX-4	1	F/A-18B	0	0	0	0	0
VX-4	1	F/A-18C	3	3	3	3	3
VX-4	0	F/A-18D	1	1	1	1	1
VXE-6	1	TC-130Q	1	1	1	1	1
VXE-6	4	LC-130R	4	4	4	4	4
VXE-6	3	LC-130F	3	3	3	3	3
VXE-6	6	UH-1N	6	6	5	6	6

\*It is planned by COMOPTEVFOR to consolidate Operational Test and Evaluation Squadrons (VX-5 at China Lake and VX-4 at Point Mugu) into a single squadron (VX-9) headquartered at China Lake. On 29 April 1994, VX-9 officially stood up and VX-5 was disestablished. COMOPTEVFOR has proposed that VX-4 be disestablished as a squadron in September 1994 and transition to an F-14 Detachment of VX-9 at Point Mugu.

**17. [5b.]** Summarize average visiting squadron/det loading on air Station operations (i.e. air wing/wing weapons deployment).

Squadron/Det Size (#A/C)	Apron Space Used (SF)	Hangar Space Assigned	Maintenance Support	Average Length of Stay
U.S. Army (50 helos)	160,000	None	GSE equipment	20 days/yr
USMC (10-12 helos)	80,000	None	GSE equipment	21 days/yr
USN (2 helos)		None	GSE equipment	18 days/yr
USN/USAF (60)	2,000	None	GSE equipment	1 week

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18. [5c.] *If a major percent of flight operations at your air Station is from other than permanently Stationed squadron/detachments, provide explanation.*

Approximately 18% of total flight operations are from transient Navy/Marine Corps and other military branches.

19. [6a.] *List all reserve Navy/USMC squadrons/detachments and the number of aircraft by type, model, and series (T/M/S), which will be Stationed/are scheduled to be Stationed at this air Station at the end of the indicated fiscal years.*

Squadron/Det	# of Aircraft (PAA)	Aircraft (T/M/S)	FY 1994	FY 1995	FY 1997	FY 1999	FY 2001
VFA-305	10	F/A-18A	0	0	0	0	0
VP-65	8	P-3C	8	8	8	8	8
HCS-5	6	HH-60H	8	8	8	8	8

20. [7.] *List all Station aircraft by number, type, model, and series (T/M/S), which will be parked or Stationed/are scheduled to be Stationed at this air Station at the end of the indicated fiscal years.*

Squadron/Custodian	# of Aircraft (PAA)	Aircraft (T/M/S)	FY 1994	FY 1995	FY 1997	FY 1999	FY 2001
NAWS	1	UC-12B	1	1	1	1	1
NAWC	1	RC-12M	1	1	1	1	1
NAWC	6	NF-14A	5	3	3	3	3
NAWC	1	NF-14B	1	1	1	1	1
NAWC	5	NF-14D	2	2	2	2	2
NAWC	3	TA-7C	3	3	3	3	3
NAWC	2	EA-7L	2	2	2	2	2
NAWC	5	RP-3A	5	5	5	5	5
NAWC	15	QF-4N	15	15	3	0	0
NAWC	0	QF-4S	1	1	15	17	17
NAWC	1	YF-4J	1	1	1	1	1
NAWC	1	A-6E	0	0	0	0	0

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**21. [8.]** List all **DOD and non-DOD aircraft** not previously listed, by custodian, including number, type, model, and series (T/M/S) of aircraft, which will be parked or Stationed/are scheduled to be Stationed at this air Station at the end of the indicated fiscal years.

Service/ Agency/ Custodian	# of Aircraft (PAA)	Aircraft (T/M/S)	FY 1994	FY 1995	FY 1997	FY 1999	FY 2001
GFE to AVTEL	3	DC-130A	3	3	3	3	3
Navy Flying Club	2	T-34B	2	2	2	2	2
Leased	1	B-1300	1	2	2	2	2
FBI	4	Cessna 182	4	5	5	5	5
FBI	2	OH-6	2	2	2	2	2
Air Resorts	1	CV-340	1	1	1	1	1
Renown	1	CV-440	1	1	1	1	1
Renown	1	CV-580	1	1	1	1	1
California Air National Guard	13	C-130H	13	12	12	12	12

**22. [9a.]** List other operational command or support units (i.e., air wing staffs, MWSSG, MWSS, MACG, MASS, etc.) Stationed at this installation. For each Unit, give the unit identification number/UIC, mission, and facilities required (currently being used) to support the unit (i.e. equipment parking - 2500 SF; maintenance shop-200 SF; etc.).

Support Unit Identification/UIC	Mission	Facilities Required	Equipment Laydown Requirement (covered/uncovered in SF)
	Not Applicable		

**23. [9b.]** Due to BRAC or other realignments, what increases/decreases in operational command or support units will occur at your installation. Provide expected gains/losses by year through 2001.

Not Applicable.

**24. [10a.]** List all other USN/USNR, USMC/USMCR, and other DOD or non-DOD active and SELRES units not listed previously, that are scheduled to be Stationed at this air Station at the end of the indicated fiscal years.

Unit	Active or Reserve	FY1994	FY1995	FY1997	FY1999	FY 2001
Not Applicable						

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25. [12b.] For each *Special Use Airspace (SUA)* or *airspace-for-special use* routinely used by squadrons/units assigned to your installation (regardless of location<sup>1</sup>), indicate how many hours per year are **required** for each user to maintain required **readiness**. *Special Use Airspace* includes alert areas, military operating areas (MOA), restricted areas, and warning areas which are used for air-to-air, air-to-ground, electronic (EW, ECM), low level training routes (MTRs), and other training.

SUA	Location/ Distance	Types/Uses	Scheduling Authority (UIC)	Squadron/Unit	Training Requirement (types of training)	Yearly Usage Rate (Hrs)
Cross Country	N/A	Positive Ctrl Area/Class A	FAA	NAWS	Proficiency/Inst/ OPNAV Annual Mins	140 Hrs
W-290	NAWS Point Mugu/ 50 Miles South	Warning Area	LA Center	NAWS	Proficiency/FCF/ NATOPS Eval	65 Hrs
Isabella MOA	Mojave, CA (85 Miles North)	Moa	Edwards AFB	NAWS	Proficiency/FCF/ NATOPS/Inst	65 Hrs
NAWS Point Mugu	Oxnard, CA	Class D/E	NAWS Point Mugu	NAWS	Proficiency/NATOPS/ Inst/Annual Mins	125 Hrs
San Nicolas Island OLF	SNI	Class D	NAWS Point Mugu	NAWS	Instrument	40 Hrs
W-289n/W- 289/W-290	Point Mugu, CA	Warning Areas	NAWS Point Mugu	VX-4	Air-to-Air/EW/Live Missiles Shoots/ Fcf/Ship OPS	300 Hrs
W-532	Point Mugu, CA	Warning Area	NAWS Point Mugu	VX-4	Air-to-Air	40 Hrs
Point Mugu ATC	Point Mugu, CA	Class D	NAWS Point Mugu	VX-4	Prof/Inst/NATOPS/FCL P	250 Hrs
W-291	San Diego, CA/ 100NM	Warning Area	Fleet Area Cntl & Surv Fac, San Diego, CA	VX-4	Air-to-Air/FCF/Carrier OPS	80 Hrs
San Clemente ATC	San Clemente NAS/40NM	Class D	San Clemente NAS	VX-4	FCLP	15 Hrs
R-2508	China Lake, CA/ 100NM	Restricted Area	Edwards AFB	VX-4	Air-to-Air/Low Level/FCF/Proficiency	800 Hrs
R-2505	China Lake, CA/120NM	Restricted Area	NAWC China Lake	VX-4	Live Missile Shoots	20 Hrs
R-2524	China Lake, CA/ 125NM	Restricted Area	NAWC China Lake	VX-4	EW/Air-to-Ground	50 Hrs
NAS Fallon	Fallon, NV/ 200NM	Restricted Area	NAS Fallon	VX-4	Air-to-Air/Air-to-Ground/ EW	130 Hrs

(Contd.)

<sup>1</sup> Include RON/domestic deployment training.

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SUA	Location/ Distance	Types/Uses	Scheduling Authority (UIC)	Squadron/Unit	Training Requirement (types of training)	Yearly Usage Rate (Hrs)
Nellis AFB	Las Vegas, NV/200NM	Restricted Area	Nellis AFB	VX-4	Air-to-Air/Air-to-Ground/ EW	100 Hrs
R-2510	El Centro, CA/200NM	Restricted Area	MCAS Yuma, CA	VX-4	Air-to-Ground	50 Hrs
NAS Fallon	Fallon, NV/ 200NM	Restricted Area	NAS, Fallon, NV	HCS 5	TERF/NVG/Specop/ CSAR/M-60/EW/EOD	300 Hrs
Cross Country	N/A	Positive Ctrl Area/Class A	FAA	HCS 5	Proficiency/Inst/ OPNA / Annual Mins	225 Hrs
Utapao Airfield	Thailand		Cobra Gold EX	HCS 5	TERF/NVG/SPECOP/ EOD	240 Hrs
Nellis AFB	Las Vegas, NV/200NM	Restricted Area	Red Flag/ CRQS	HCS 5	TERF/NVG/SPECOP/ M-60	175 Hrs
Nas North Island	San Diego, CA	Class D	Nasni	HCS 5	TERF/NVG/SPECOP/ DLQ	75 Hrs
NALF San Clemente	San Clemente Island	W-291	FASFAC Nasni	HCS 5	TERF/NVG/SPECOP/ DLQ	125 Hrs
MCAS Camp Pendleton	Oceanside, CA	Restricted Area	Mcas Camp Pendleton	HCS 5	TERF/NVG/SPECOP/ M-60/EW	60 Hrs
MCAS Yuma	Yuma, AZ	Restricted Area	Mcas Yuma	HCS 5	TERF/NVG/SPECOP/ M-60	30 Hrs
Hunter MOA	Hunter Liggett, AAF	Hunter Low Moa	Hunter Liggett	HCS 5	TERF/NVG	40 Hrs
NOLF San Nicolas	San Nicolas Island	W-289	NAWS Point Mugu	HCS 5	DLQ/EOD	10 Hrs
NAS Alameda	Alameda, CA	A-682	Comdr, Travis AFB	HCS 5	TERF/NVG/EOD	40 Hrs
Echo Range	Nas China Lake, CA	R-2524 EW	Nawcws 60530	HCS 5	TERF/EW	25 Hrs
Fort Irwin AAF	Fort Irwin, CA	R- 2502N/2502E	Comdr, Fort Irwin	HCS 5	TERF/NVG/EW	65 Hrs
Edwards AFB	Muroc Lake, CA	R-2515	Comdr, AF Flt Test Center	HCS 5	TERF/NVG/Space Shuttle Alert	60 Hrs
NAWC Point Mugu	Point Mugu, CA	Approach	USN	VP-65	Proficiency	1050 Hrs
NAS Lemoore	Lemoore, CA/ 100NM	Approach Control Class E	USN	VP-65	Proficiency	20 Hrs

(Contd.)

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Table (Contd.)

SUA	Location/ Distance	Types/Uses	Scheduling Authority (UIC)	Squadron/Unit	Training Requirement (types of training)	Yearly Usage Rate (Hrs)
Vandenberg AFB	Santa Maria, CA/ 75 NM	Approach Control Class E	FAA	VP-65	Proficiency Airways/Inst	20 Hrs
Palmdale, CA	Palmdale, Ca.50NM	Approach Control Class E	FAA	VP-65	Proficiency Airways/Inst	30 Hrs
Travis AFB	Sacramento, CA/ 300NM	Approach Control Class E	FAA	VP-65	Proficiency Airways/Inst	60 Hrs
NAS Moffett Field	Mountain View, CA/ 300NM	Approach Control Class E	USN	VP-65	Proficiency Airways/Inst	160 Hrs
NAS North Island	Coronado, CA/100NM	Approach Control Class E	USN	VP-65	Proficiency Airways/Inst	140 Hrs
Cross Country		Psit Contrl Control Class A	FAA	VP-65	Proficiency Airways/Inst	350 Hrs
Warning Areas		W-291, W-289, & W-237		VP-65	ASW/ELW/CCC/ASU/ INT/OPNAV Minimums	150 Hrs
Cast Central	San Francisco, CA	Cast	FACSFAC	VP-65	ASW/ELW/CCC/ASU/ INT/OPNAV Minimums	50 Hrs
Cast 1/2/3	SOCAL	Cast	FACSFAC	VP-65	ASW/ELW/CCC/ASU/ INT/OPNAV Minimums	30 Hrs
Deep Cast	SOCAL	Cast	FACSFAC	VP-65	ASW/ELW/CCC/ASU/ INT/OPNAV Minimums	35 Hrs
Fleet Training Area	SOCAL	FLETA Hot/Cold	FACSFAC	VP-65	ASW/ELW/CCC/ASU/ INT/OPNAV Minimums	40 Hrs
SOCAL ASW Range	SOCAL	Soar	FACSFAC	VP-65	ASW/ELW/CCC/ASU/ INT/OPNAV Minimums	60 Hrs
ASW Training Area	SOCAL	ASWTA	FACSFAC	VP-65	ASW/ELW/CCC/ASU/ INT/OPNAV Minimums	40 Hrs
Missile Ranges 1E, 1W 2	SOCAL	MISR-1E/1W/2	FACSFAC	VP-65	ELW/CCC/ASU/INT	55 Hrs

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26. [12c.] For each Special Use Airspace (SUA) or airspace-for-special-use complete the following table:

SUA	Location/ Distance	Types/Uses	Scheduling Authority (UIC)	Fiscal Year	Scheduled	Utilized <sup>1</sup>	Operating Limitations <sup>2</sup>
					# Hours	# Hours	
W-60 W-61 W-289 W-289N W-290 W-412 W-532 W-537 R-2519 R-2535A R-2535B IR-200 IR-206			63126	1991	8905.5	5746.0 <sup>1</sup>	None
					37.5 1.5	28.5 1.5	
W-60 W-61 W-289 W-289N W-290 W-412 W-532 W-537 R-2519 R-2535A R-2535B IR-200 IR-206				1992	8173.5	5336.2 <sup>1</sup>	None
					48.0 10.5	24.0 6.0	
W-60 W-61 W-289 W-289N W-290 W-412 W-532 W-537 R-2519 R-2535A R-2535B IR-200 IR-206					7896.0	4917.6 <sup>1</sup>	None
					66.0 9.0	48.0 6.0	

Note:

<sup>1</sup> For the "Utilized" values, provide reasons for hours scheduled but not utilized (e.g., 40% cancelled due to weather; 10% cancelled for unscheduled range maintenance; etc.).

<sup>2</sup> Provide any comments on operating limitations.

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1. Reasons for "cancelled" operations (those not utilized), by year, are as follows:

	FY91	FY92	FY93
Projects	85.00%	83.00%	81.00%
Range	1.50%	1.00%	1.25%
Targets	0.50%	0.00%	1.25%
Weather	5.00%	5.00%	5.25%
Other	8.00%	11.00%	11.25%

27. [12d.] *Assuming that the flight training facility is not constrained by operational funding (personnel support, increased overhead costs, etc.), with the present equipment, physical plant, etc., what additional use of airspace assets could be realized? Provide details and assumptions for all calculations.*

We have interpreted this question as applying to airfield operations. Therefore, our response is as follows. Maximum VMC operations that can be safely controlled is 75 operations per hour. Based on current operating hours, the airfield is open 16 hrs/day for 30 days a month, for a total of 480 hrs/month. A summarized average of operations per hour over a one-year period for the entire 16-hour workday indicates we operate at 12 operations per hour. This equates to 16% of our maximum capacity based on 75 operations per hour. Additional use of our air space assets (operations) could theoretically be increased 84% above current VMC/CPS/HR effort.

28. [12h.] *In the event that it became necessary to increase base loading at your installation, does the airspace overlying and adjacent to your installation have the capacity to assume an additional workload? Estimate the percentage of the possible increase. Provide the basis/calculations for these estimates.*

Special Use Airspace overlying the Point Mugu facility consists only of R-2519. This restricted area is established for the primary purpose of launching drone aircraft and a variety of missile types from the beach areas. It is closed to Point Mugu airfield operations only for short periods as required, and then only with close coordination. Adjacent airspace can be considered to be not only the Warning Areas extending seaward out to about 200NM under the scheduling authority of NAWCWPNS, but other areas which are under the scheduling authority of FACSFAC, San Diego. The Warning Area airspace scheduled by NAWCWPNS, Point Mugu consists of W-60, W-61, W-289, W-289N, W-290, W-412, W-532, and W-537. Additionally, restricted areas R-2535A and R-2535B extending seaward three nm around San Nicolas Island are scheduled. All of these areas are utilized on a daily basis for the primary Test and Evaluation mission, Fleet training missions, as well as other government and non-government uses. Those adjacent areas under the scheduling authority of FACSFAC, San Diego include Warning Area W-291 to the south of NAWC Areas, and W-283/W-285 to the north. All of these areas are scheduled on a routine basis to support NAWCWPNS operations requiring extended range missile firings, etc.

Capacity of the NAWCWPNS-scheduled warning areas/restricted areas was analyzed using a recent, representative 2-week period. Both these weeks were scheduled for 6 days each. All individual operations scheduled for each of these days were examined, and a determination made of the percentage of total airspace available versus that scheduled. Since most of the warning area airspace is subdivided into smaller areas for scheduling purposes, this was a relatively easy,

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although simplistic analysis. For example, during a given operation, scheduling subareas 3A, 3B, 3D, M5, 4A and 4B might have been scheduled for a three-hour period. The amount of airspace (in square miles) actually in use by this operation represents 38% of the total airspace available on the entire Sea Test Range. This, then left 62% of the total Sea Range airspace "available" in this example. These computations were done for each operation in each day in the two week sample. The cumulative percentage of "available" airspace was then determined by averaging available airspace during each day, and then over the 12 day period. The average of airspace available for additional use was 65% over the specific period investigated. Considering the variability of "operations scheduled" data, and the additional availability that would have been represented by considering volume of the airspace, rather than just the area (as studied), we estimate that a minimum of 85% additional capacity could be easily accommodated. This is without considering the adjacent areas scheduled by FACSFAC, San Diego. Usage figures for these areas were not researched, but we estimate an even greater availability in the future, since some of the air squadrons previously assigned to the greater San Diego area will now be attached to NAS Lemoore.

The above analysis used an assumption that the Sea Range is operated nine and one-half hours per day. While the operating hours, in fact, often extend beyond and also into weekend hours, this schedule is supported by a single "shift". An even further increase in Sea Range airspace capacity could be realized by increasing the hours of operation, although this would necessitate an increase in staffing.

**29. [17a.]** *Using the types (and mix) of aircraft currently Stationed at your installation, project the additional number of these aircraft (maintain approximate current mix/ratio of A/C) that could be based and parked on your current parking aprons.*

*Provide two estimates:*

1. *Using NAVFAC P-80 standard measures*
2. *Using real world planning factors to accommodate a surge demand for space (maintaining safe operating procedures).*

Aircraft Type	Current # of Aircraft Parked/Stationed	Maximum Additional Capacity (# of Aircraft)		Total	
		NAVFAC	Surge	NAVFAC	Surge
F-14	19	29	130	48	149
F/A-18	18	29	123	47	141
A-7	5	7	34	2	39
F-4	16	28	109	44	125
P-3	13	9	28	22	41
C-130	11	5	24	6	35
HH-60	12	6	81	8	93
H-1	6	20	39	26	45
<b>TOTAL</b>	<b>100</b>	<b>133</b>	<b>568</b>	<b>233</b>	<b>668</b>

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*Provide the details of your calculations, including your assumptions on the minimum separation between aircraft, parking angle, folding of aircraft wings and any obstructions that may limit the placement of aircraft on the parking apron spaces. Indicate if taxiway aprons are used in the projection.*

**NAVFAC AIRCRAFT PARKING ASSUMPTIONS:**

- (1) Assume P-80 required space between aircraft is required for safety of aircraft movement under it's own power.
- (2) Assume parking permitted adjacent to street where blast fence exists (Building 355).
- (3) Assume parking in portions of peripheral taxiways not required for access to main taxiways.
- (4) Assume parking permitted on aprons constrained by airfield clearance requirements due to change in classification of runway.

**SURGE AIRCRAFT PARKING ASSUMPTIONS:**

- (1) The total aircraft apron area of 462,130 square yards was proportioned with the NAVFAC aircraft area multiplied by the current number of aircraft assigned to this Station. These areas were divided by the NAVFAC parking area and rounded down to the nearest whole aircraft.
- (2) Assume 12 inches between aircraft; 45-degree angle parking for jet aircraft; 90-degree parking for P-3, C-130, and helicopter.
- (3) Patrol and Transport aircraft and 90-degree parking could not be maneuvered safely with 12 inch wingtip to wingtip parking and restricted interior and peripheral taxi lanes. The aircraft mix currently assigned to the Station was used to proportion the aircraft apron. The number of patrol and transport aircraft which could be parked on the portion of the apron allocated was recalculated to provide for requirements provided by NAVFAC Table 113-20B for these aircraft.
- (4) Some of the parking aprons at this activity were designed for propeller powered aircraft and are substandard for military jet aircraft.
- (5) Only DOD (military) aircraft are included in the Table. Non-DOD aircraft assigned to or operating from Naval Air Weapons Station, Point Mugu are listed in question 21 of this Tab B. They include light aircraft operated by FBI which are usually parked in designated aircraft parking spaces. Light aircraft and propeller driven training aircraft operated by the Aero Club are parked on a substandard apron. The three San Nicolas Island commuter aircraft are parked near the air terminal and on substandard aprons near the Aero Club parking. There is adequate substandard apron at this activity to park all current light/commuter aircraft and at least a 200% surge increase on the substandard apron north of the crosswind runway.
- (6) Taxiway aprons were not used in the calculation.

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**30. [18a.]** List the hangars at the air Station. Identify by (P-80) type, year built, dimensions.

Hangar ID#	Type I, II or Other	Year Built	Hangar Deck Dimensions	Limiting Height	Current Usage	In SF			
						Adequate	Substandard	Inadequate	Total
362	O <sup>3</sup>	1959	2 (122x119)	20 <sup>1</sup> 42 <sup>2</sup>	Lab, RDT&E Storage			31,102	31,102
365	O	1959	80x480	27 <sup>1</sup>	Lab, Maint. Hangar	80,161			80,161
553	O	1960	80x642	27 <sup>1</sup>	Lab, Maint Hangar	114,652			114,652
34	O <sup>4</sup>	1950	240X320	32 <sup>1</sup>	Maint. Hangar		110,788		110,788
355	O <sup>3</sup>	1953	2(122X119)	20 <sup>1</sup> 42 <sup>2</sup>	Air Traffic Control, Maint Hangar			66,080	66,080
351	O <sup>3</sup>	1952	2(122X118)	20 <sup>1</sup> 42 <sup>2</sup>	Lab, Maint. Hangar			82,260	82,260
372	O	1960	80x320	28 <sup>1</sup>	Maint. Hangar		55,764 <sup>5</sup>		56,764
333	O	1972	75x300	24 <sup>1</sup>	Lab, Maint Hangar	80,976			80,976
	O <sup>6</sup>	1972	101x181	12 <sup>1</sup>	Full Depot, Maint Hangar				
323	II	1974	240x115	43 <sup>1</sup>	Maint Hangar	77,035			77,035
324	I	1981	100x290	28 <sup>1</sup>	Maint Hangar	59,381			59,381
3009	O	1988	74x151 72x55	31 <sup>1</sup>	Maint. Hangar	29,713			29,713
325	O <sup>7</sup>	1947	77x119	20 <sup>1</sup>	Storage			20,824	20,824
330	O <sup>7</sup>	1953	77x119	20 <sup>1</sup>	UAV Maint Hangar			18,360	18,360

## Notes:

<sup>1</sup>Door height<sup>2</sup>Door width<sup>3</sup>Twin bay hangar<sup>4</sup>Open both ends<sup>5</sup>Repair project programmed for FY 94/95 will correct deficiencies (adequate upon completion of project)<sup>6</sup>Subscale aerial targets<sup>7</sup>Circular Metal hangar

*In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means." For all the categories above where inadequate facilities are identified describe why the facility is inadequate; indicate how it is being used and list other possible uses; and specify the costs to remove the deficiencies that make it inadequate. Indicate current plans to remove these deficiencies and the amount of any programmed funds. Discuss any material conditions of substandard facilities which have resulted in a C3 or C4 designation on your BASEREP.*

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HANGARS CLASSIFIED INADEQUATE.

Hangars 362, 355, and 351 are classified as inadequate for their present use and as aircraft hangars due to their close proximity to the runway and encroachment of the Airfield Safety Zones. All three were constructed to provide maintenance on carrier-type propeller driven aircraft. The door clearances are 42 feet wide by 20 feet high. Each has two hangar bays. They face the cross-wind runway. The cross-wind runway is now used for simulated carrier landing practice and has been classified as a Class B runway. The aircraft clearance line is now located within a few feet of the face of the hangar. These hangars are operating under aircraft safety waivers. The hangar bays are being used as aircraft maintenance hangar, missile assembly areas, laboratory areas, and RDT&E storage areas. The administration (O2 spaces) are used as laboratory spaces and office spaces for Marine Air Detachment, Air Traffic Control, and Air Operations Department. A design was developed to upgrade a portion of the laboratory area in Building 351. The cost of approximately one million dollars was not acceptable to the user and the project was shelved. Based on this limited information, the cost to upgrade each hangar would exceed three million dollars. However, the hangars would still be classified as inadequate due to their close proximity to the runway. Hangars 325 and 330 were the original hangars for the Army Air Corps. They are located within the airfield clearance line. All line parking spaces adjacent to their facilities also are located within the airfield clearance zone. These facilities are now used as RDT&E storage, office for the Aero Club, NAVAIRES, UAV, Foreign Military Sales, and air operations. No full-size military aircraft are currently maintained or parked at these facilities. (No C-3 or C-4 designation on the activity BASEREP is indicated for these facilities.)



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**32. [18f.]** List all squadrons/detachments normally home ported at this air Station that were deployed and not assigned hangar/maintenance spaces at receipt of this data call.

Squadron/Detachment	#/Type Aircraft	Deployed Location
Not Applicable		

**33. [18g.]** List all squadrons/detachments normally home ported at this air Station that were deployed and were assigned hangar/maintenance spaces at receipt of this data call.

Squadron/Detachment	#/Type Aircraft	Hanger Module Assignment
Not Applicable		

**34. [18h.]** Using the types (and mix) of aircraft currently Stationed at your installation, project the maximum additional number of these aircraft (maintain approximate current mix/ratio of A/C) that could be housed and maintained in your current hangars. Provide two estimates:

- Using NAVFAC P-80 standard measures
- Using real-world planning factors to accommodate a surge demand for space (maintaining safe operating procedures).

Aircraft Type	Current # of Aircraft Parked/Stationed	Maximum Additional Capacity (# of Aircraft)		Total (Current + Additional)	
		NAVFAC	Surge (3)	NAVFAC	Surge
F-14	19	65	176	84	195
F/A-18	18	84	102	102	186
A-7	5	22	46	27	51
F-4	16	41	149	57	165
P-3	13	5	28	18	41 <sup>1</sup>
C-130	11	7	28	18	39 <sup>1</sup>
HH-60	12	18	48	30	60
H-1	6	30	69	36	75

Provide the details of your calculations, including your assumptions on: the minimum separation between aircraft, folding of aircraft wings and any obstructions that may limit the placement of aircraft in the hangars.

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## Notes:

Due to weather at this activity and type of aircraft, maintenance on patrol aircraft and transport aircraft can be accomplished on the aircraft apron. Type II hangar space is adequate to maintain the total number of aircraft for which parking spaces are available plus four aircraft in the hangars.

Hangar space was allocated in accordance with Table 211-05B to determine number of aircraft in 20 modules of Type I hangar at this activity. F-14, 6 modules; F/A-18, 5 modules; A-7, 1.5 modules; F-4 four modules; HH-60, 1.5 modules and UH-1, 1 module. NAVFAC requires 1 maintenance hangar space for each three aircraft.

For surge calculations, use 1350 square feet of hangar bay per aircraft. Total hangar bay area = 288,028 Type I, 18,326 for Helos for a total of 269,702 square feet  $269,702/1350=199$  aircraft. 65 F-14; 62 F/A-18; 17 A-7; 55 F-4 in hangars. (One maintenance space for each 3 aircraft)

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35. [19.] Do you have any of the following *special use facilities* at the Air Station?

CCN	Type of Facility	In SF				# of Units	Year Built
		Adequate	Substandard	Inadequate	Total		
211-01	Aircraft Acoustical Enclosure					0	
211-02	Nose Hangar					0	
211-03	Corrosion Control Hangar					0	
211-03	Subscale Aircraft Corrosion Control Shed	4,600			4,600	1	1972
211-75	Parachute/Survival Equipment Shop	14,342			14,342	1	1985
211-81	Engine Test Cell			10,344	10,344	2	1959
211-81	Subscale Aircraft Engine Test Cell	1,942			1,942	1	1977
211-88	Power Check Pad with Sound Suppression					0	
211-89	Power Check Pad without Sound Suppression	8,199			8,199	1	1966
211-96	Maintenance, Aircraft Spares Storage	51,623			51,623		varied
116-10	Airfield Washrack Pavement	15,318			15,318	1	1965
116-15	Aircraft Rinse Facility	18,135			18,135	1	1971
214-30	Refueling Vehicle Shop					0	
218-60	Aircraft Ground Support Equipment	17,340			17,340	1	1965
	Other						

*In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified describe why the facility is inadequate; indicate how it is being used and list other possible uses; and specify the costs to remove the deficiencies that make it inadequate. Indicate current plans to remove these deficiencies and the amount of any programmed funds. Discuss any material conditions of substandard facilities which have resulted in a C3 or C4 designation on your BASEREP.*

The activity has two buildings with three jet aircraft test cells. All are suffering progressive deterioration. One of the buildings has been inoperable for several years. The structural concrete is spalling and the exhaust stack requires excessive repairs to maintain operations. The design is obsolete with oil and soot discharges during operation which settle on laboratory building and on community support facilities at the beach. The cast-in-place concrete structure is expensive to repair and uneconomical to upgrade.

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Although most of the larger aircraft engines from modern aircraft F/A-18 and F-14 are sent to off-site depots for repair and testing, the test cells at this activity are not large enough to test the modern engines in the event some modification is required to an engine shipped back to the site.

Because of the condition and limitations of the test cells, this function was given a C-3 rating in the activity Shore Base Readiness Report. Documentation for a Military Construction Project, P-185, "Jet Engine Test Cell," to construct a new test cell was submitted to correct the deficiency. At this time, the project is unprogrammed.

**36. [21a.]** For the following aircraft support facility category codes, provide the amount of adequate substandard, and inadequate facilities.

CCN	Facility Type	Unit of Measure	Adequate	Substandard	Inadequate	Total	Number of Units
111-20	Landing Pads	SF				None	
121-10	Direct Fueling	OL/GM				None	
124-30	Fuel Storage	GA		1,369,000 <sup>1</sup>		1,369,000	6 Tanks
421-xx	Ammunition <sup>3</sup> Storage	CF/TONS	26,390 CF/ 1,320 tons			26,390 CF/ 1,320 tons	6 Magazines
425-xx	Open Ammunition Storage <sup>4</sup>	SF	794			794	12 RSL
113-20	Parking Aprons	SF	4,159,170 <sup>2</sup>			4,159,170	
113-40	Access Aprons	SF				None	
116-56	Combat Aircraft Ordnance Loading Area	SF	149,949			149,949	7 Revetments
	Other						

## Notes:

1. Berms and leak detection/monitoring systems deficiencies.
2. The parking aprons on this facility could be made "adequate" if simulated carrier landing practice were relocated to the main runway and the cross-wind runway were reclassified to a Class A runway. Waivered hangars and aircraft parking areas would no longer encroach on the airfield clearance zones.
3. Includes bombs.
4. Includes CADS, flares, location markers.

*In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified describe why the facility is inadequate; indicate how it is being used and list other possible uses; and specify the costs to remove the deficiencies that make it inadequate. Indicate current plans to remove these deficiencies and the amount of any programmed funds. Discuss any material conditions of substandard facilities which have resulted in a C3 or C4 designation on your BASEREP.*

**TAB C  
DEPOT LEVEL MAINTENANCE CAPACITY**

### Maintenance and Industrial Activities

*Activities that actually perform Depot Level Maintenance should complete **PART I** of this TAB. Warfare Center Headquarters (Owners & Operators) whose subordinate activities actually perform Depot Level Maintenance should complete **PART II** of this TAB. Depot and/or industrial workload capacity is to be reported as a function of the following categories for the period requested.*

#### JCSG-DM: Maintenance and Industrial Activities Commodity Groups List

- |  |  |
|--|--|
| <p>1. Aircraft Airframes:<br/>         Rotary<br/>         VSTOL<br/>         Fixed Wing<br/>           Transport/Tanker/Bomber/<br/>           Command and Control<br/>           Light Combat<br/>           Admin/Training<br/>         Other</p> <p>2. Aircraft Components<br/>         Dynamic Components<br/>         Aircraft Structures<br/>         Hydraulic/Pneumatic<br/>         Instruments<br/>         Landing Gear<br/>         Aviation Ordnance<br/>         Avionics/Electronics<br/>         APUs<br/>         Other</p> <p>3. Engines (Gas Turbine)<br/>         Aircraft<br/>         Ship<br/>         Tank<br/>         Blades/Vanes (Type 2)</p> <p>4. Missiles and Missile Components<br/>         Strategic<br/>         Tactical/MLRS</p> <p>5. Amphibians<br/>         Vehicles<br/>         Components (less GTE)</p> <p>6. Ground Combat Vehicles<br/>         Self-propelled<br/>         Tanks<br/>         Towed Combat Vehicles<br/>         Components (less GTE)</p> | <p>7. Ground and Ship board Communications<br/>         and Electronic Equipment<br/>         Radar<br/>         Radio Communications<br/>         Wire Communications<br/>         Electronic Warfare<br/>         Navigational Aids<br/>         Electro-Optics/Night Vision<br/>         Satellite Control/Space Sensors</p> <p>8. Automotive/Construction Equipment</p> <p>9. Tactical Vehicles;<br/>         Tactical Automotive Vehicles<br/>         Components</p> <p>10. Ground General Purpose Items<br/>         Ground Support Equipment (except aircraft)<br/>         Small Arms/Personal Weapons<br/>         Munitions/Ordnance<br/>         Ground Generators<br/>         Other</p> <p>11. Sea Systems<br/>         Ships<br/>         Weapons Systems</p> <p>12. Software<br/>         Tactical Systems<br/>         Support Equipment</p> <p>13. Special Interest Items<br/>         Bearings Refurbishment<br/>         Calibration (Type I)<br/>         TMDE</p> <p>14. Other</p> |
|--|--|

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*Refer to the following notes when filling out the tables in this TAB.*

*Notes:*

- 1. "Production" equates to the number of items processed per Fiscal Year (FY), unless otherwise specified.*
- 2. Base your responses for FY1994 and previous years on executed workload, and for FY1995 and subsequent years on workload as programmed. Unless otherwise specified, use workload mixes as programmed. In estimating projected workload capabilities, use the Activity's configuration as of completion of implementation of the BRAC-88/91/93 actions.*
- 3. Use single shift operations (1-8-5) as the basis for your calculations. Report in specified units of throughput and Direct Labor Man Hours (DLMHs).*
- 4. If any responses are classified, so annotate the applicable question and include those responses in a separate classified annex.*
- 5. Capacity Index and Utilization Index will be calculated in accordance with the Defense Depot Maintenance Council approved update to Department of Defense Instruction (DODINST) 4151.15H, "Depot Maintenance Capacity/Utilization Index Measurement."*
- 6. The Major Owner/Operator questions will be answered by the Major Claimant/Systems Commander.*
- 7. Utilize the tables provided to answer each question. Answer the questions for all of the commodity groups that are applicable to your activity. In the Aircraft Airframes and Engines (Gas Turbine) commodity groups break out the information by aircraft type, model, series or by engine type as applicable when filling out the tables.*

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**PART I: MAINTENANCE & INDUSTRIAL ACTIVITIES**

**1. Historic and Predicted Workload**

**1.1** Given the current configuration and operation of your activity, provide the depot/industrial level maintenance by commodity group (from the List above) that was executed in and is programmed for the Fiscal Years (FY) requested in units throughput (Tables 1.1.a and 1.1.b) and in Direct Labor Man Hours (DLMHs) (Tables 1.1.c and 1.1.d). Add additional rows as required to report all commodity types serviced at this activity.

TAB C is not applicable to NAWCWPNS Point Mugu.

Table 1.1.a. Historic and Predicted Depot/Industrial Workload

Commodity Type	Throughput (Units)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
Not Applicable								
<b>Total</b>								

Table 1.1.b. Historic and Predicted Depot/Industrial Workload

Commodity Type	Throughput (Units)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Not Applicable								

Total								
-------	--	--	--	--	--	--	--	--

Table 1.1.c. Historic and Predicted Depot/Industrial Workload

Commodity Type	Throughput (DLMHs)								
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993	
Not Applicable									
Total									

Table 1.1.d. Historic and Predicted Depot/Industrial Workload

Commodity Type	Throughput (DLMHs)								
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	
Not Applicable									
Total									

**1.2** For each commodity type reported in Tables 1.1.a through 1.1.d, assume (a) the current projected total depot / industrial workload remains as assigned; (b, that sufficient production demand is available to justify maximum hiring, optimum (repeat order) manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which depot/industrial maintenance operations could be expanded at this activity, based on the current and future planned workload mixes, for the requested period? Please provide your response in both the absolute maximum number of units and DLMHs that could be processed at this activity by applicable commodity group. Add additional rows as necessary to accommodate all commodity types serviced at this activity.

Table 1.2.a Maximum Potential Depot/Industrial Workload

Commodity Type	Throughput (Units)						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Not Applicable							
<b>Total</b>							

Table 1.2.b. Maximum Potential Depot/Industrial Workload

Commodity Type	Throughput (DLMH)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
Not Applicable								
<b>Total</b>								

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**1.3** Provide details of your calculations including assumptions or additional space utilized, major equipment required, production rates, and constraints that limit increased workload by commodity group at this activity.

**1.4** Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your activity's capability to perform workload in each of the applicable commodity groups? Describe quantitatively how the changes above would increase your activity's depot/industrial level maintenance capabilities. What would the associated costs be? What would be the payback period and return on investment?

**1.5** Are there any environmental, legal, or otherwise limiting factors that inhibit further the development of depot/industrial level workload and this activity (AICUZ encroachment, pollutant discharge, etc.)?

**2. Workload Summary**

**2.1** Enter the information from the Predicted and Potential Workload sections of the previous question into the table below and calculate the variance between projected and potential workloads. Again, clearly identify each commodity and include all commodities serviced at this activity.

Table 2.1.a. Predicted Workload Variance for FY1995

FY1995 Commodity Type	Product (units)			DLMHs		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Not Applicable						
<b>Total</b>	N/A	N/A	N/A			

Note:  
 1 This workload is not duplicative of any previously reported workload. Detail all production categorized as "other."

Table 2.1.b. Predicted Workload Variance for FY1996

FY1996 Commodity Type	Product (units)			DLMHs		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Not Applicable						
<b>Total</b>	N/A					

Note:

1 This workload is not duplicative of any previously reported workload. Detail all production categorized as "other."

Table 2.1.c. Predicted Workload Variance for FY1997

FY1997 Commodity Type	Product (units)			DLMHs		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Not Applicable						
<b>Total</b>	N/A					

Note:

1 This workload is not duplicative of any previously reported workload. Detail all production categorized as "other."

Table 2.1.d. Predicted Workload Variance for FY1998

FY1998 Commodity Type	Product (units)			DLMHs		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Not Applicable						
<b>Total</b>	N/A					

Note:  
 1 This workload is not duplicative of any previously reported workload. Detail all production categorized as "other."

Table 2.1.e. Predicted Workload Variance for FY1999

FY1999 Commodity Type	Product (units)			DLMHs		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Not Applicable						
<b>Total</b>	N/A	N/A				

Note:  
 1 This workload is not duplicative of any previously reported workload. Detail all production categorized as "other."

Table 2.1.f. Predicted Workload Variance for FY 2000

FY 2000 Commodity Type	Product (units)			DLMHs		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Not Applicable						
<b>Total</b>	N/A					

Note:

<sup>1</sup> This workload is not duplicative of any previously reported workload. Detail all production categorized as "other."

Table 2.1.g. Predicted Workload Variance for FY2001

FY 2001 Commodity Type	Product (units)			DLMHs		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
Not Applicable						
<b>Total</b>	N/A	N/A	N/A			

Note:

<sup>1</sup> This workload is not duplicative of any previously reported workload. Detail all production categorized as "other."

**PART II: HEADQUARTERS (MAJOR OWNERS & OPERATORS)**

**1. Interservicing Candidates**

1.1 *Specify all depot and/or industrial workload programs, performed by any of your activities, that are possible candidates for interservicing, both in to and out from the activity. Provide detailed supporting data for your recommendations.*

**2. Core Requirements**

2.1 *Given the current programmed configuration and operation for these activities, provide the projected Core Workload, Directed workload, Core "Plus" Workload, and Workload required to be retained to meet the Secretary of the Navy's Title 10 responsibilities. Within each Fiscal Year (FY) requested, provide your response in Units of throughput (where applicable) and Direct Labor Man Hours (DLMHs) for the categories in the following Tables. Core workload includes all Core work performed for other Military Departments (please specify such work within each commodity category).*

*Core workload calculations are to be performed in accordance with the Office of the Under Secretary of Defense (Logistics) (OUSD(L)) Memorandum dated 15 November 1993 (subject: "Policy for Maintaining Core Depot Maintenance Capability").*

*Directed workload includes: Foreign Military Sales (FMS); Low Quantity Non-Core; Low Quantity Above Core; Best Value; Engineering Support; and Last Source of Repair. Directed workload is tabulated in Section 2.2, following.*

*Core-Plus workload is the sum of Core workload and Directed workload.*

*Title 10 workload is that portion of Core workload that must be retained within the Department of the Navy in order to meet the Secretary of the Navy's Title 10 responsibilities.*

Table 2.1.a. Workload Requirements FY1993

FY1993 Commodity Type	Core Workload (DLMHs)			
	Core Workload	Directed Workload	Core "Plus" Workload	Title 10 Workload
Not Applicable				
Total				

Table 2.1.b. Workload Requirements FY1994

FY1994 Commodity Type	Core Workload (DLMHs)			
	Core Workload	Directed Workload	Core "Plus" Workload	Title 10 Workload
Not Applicable				
<b>Total</b>				

Table 2.1.c. Workload Requirements FY1995

FY1995 Commodity Type	Core Workload (DLMHs)			
	Core Workload	Directed Workload	Core "Plus" Workload	Title 10 Workload
Not Applicable				
<b>Total</b>				

Table 2.1.d. Workload Requirements FY1996

FY1996 Commodity Type	Core Workload (DLMHs)			
	Core Workload	Directed Workload	Core "Plus" Workload	Title 10 Workload
Not Applicable				
<b>Total</b>				

Table 2.1.e. Workload Requirements FY1997

FY1997 Commodity Type	Core Workload (DLMHs)			
	Core Workload	Directed Workload	Core "Plus" Workload	Title 10 Workload
Not Applicable				
<b>Total</b>				

Table 2.1.f. Workload Requirements FY1998

<i>FY1998</i> Commodity Type	Core Workload (DLMHs)			
	Core Workload	Directed Workload	Core "Plus" Workload	Title 10 Workload
Not Applicable				
<b>Total</b>				

Table 2.1.g. Workload Requirements FY1999

<i>FY1999</i> Commodity Type	Core Workload (DLMHs)			
	Core Workload	Directed Workload	Core "Plus" Workload	Title 10 Workload
Not Applicable				
<b>Total</b>				

Table 2.1.h. Workload Requirements FY2000

FY2000 Commodity Type	Core Workload (DLMHs)			
	Core Workload	Directed Workload	Core "Plus" Workload	Title 10 Workload
Not Applicable				
<b>Total</b>				

Table 2.1.i. Workload Requirements FY2001

FY2001 Commodity Type	Core Workload (DLMHs)			
	Core Workload	Directed Workload	Core "Plus" Workload	Title 10 Workload
Not Applicable				
<b>Total</b>				

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**2.2** Given the current programmed configuration and operation of the NADEPs, provide the projected Directed Workload. Within each Fiscal Year (FY) requested, provide your response in units throughput (where available) and Direct Labor Man Hours (DLMHs) for the categories requested.

*Foreign Military Sales (FMS) include airframe, engine and component maintenance and manufacturing support.*

*Modifications (Mods) include only those modifications performed concurrently with scheduled depot level work packages constituting Core workload.*

*Low Quantity Non-Core (LQNC) is that Non-Core workload with insufficient programmed quantity for competition. This category also includes above threshold Core workload for weapons systems which have a total projected workload greater than the computed core quantity (above core workload).*

*Best Value (BV) includes items that have been offered for maintenance under competitive rules and no offerer has provided a bid that is equal to or better than the value provided by a current organic source.*

*Engineering Support (Engr) consists of Engineering Support to field, modify, operate, and maintain aviation weapon systems (i.e. RCM analysis, defining maintenance intervals, developing maintenance concepts, modification management, industrial support, investigations, bulletins and flight safety, and environmental issues).*

*Last Source of Repair (LSOR) comprises Non-Core workload which has been offered for maintenance under competitive rules and no offerer has provided a bid and for which a workload requirement exists and the organic depot is the only remaining source of repair.*

Table 2.2.a. Directed Workloads - FY1993

FY1993 Commodity	Units Throughput						Total
	FMS	Mods	LQNC	BV	Engr	LSOR	
Not Applicable							
FY1993 Total							







Table 2.2.h. Directed Workloads - FY2000

FY2000 Commodity	Units Throughput						Total
	FMS	Mods	LQNC	BV	Engr	LSOR	
Not Applicable							
<b>FY2000 Total</b>							

Table 2.2.i. Directed Workloads - FY2001

FY2001 Commodity	Units Throughput						Total
	FMS	Mods	LQNC	BV	Engr	LSOR	
Not Applicable							
<b>FY2001 Total</b>							

**3. Organization**

**3.1** *Can the depot/industrial level workload be transferred to other sources such as other Navy activities, interservice to other DOD entities, or outsourced to commercial activities? Identify all applicable considerations to your recommendations.*

**TAB D**  
**ORDNANCE STORAGE CAPACITY**

**ORDNANCE STORAGE CAPACITY**

*Please answer the following questions if your activity performs any stowage or maintenance on any of the following ordnance commodities types:*

- |                         |                   |                   |
|-------------------------|-------------------|-------------------|
| Mines                   | CADS/PADS         | LOE: Small Arms   |
| Torpedoes               | Strategic Nuclear | (up to 50 cal.)   |
| Air-Launched Threat     | Tactical Nuclear  | LOE: Pyro/Demo    |
| Surface-Launched Threat | LOE: Rockets      | Grenades/Mortars/ |
| Other Threat            | LOE: Bombs        | Projectiles       |
| Expendables             | LOE: Gun Ammo     |                   |
| INERT                   | (20mm-16")        |                   |

**1. Ordnance Stowage and Support**

**1.1** *Provide present and predicted inventories (coordinate with inventory control manager) and maximum rated capability of all stowage facilities at each weapons storage location controlled by this activity. In predicting the out year facility utilization, distribute overall ordnance compliment to the most likely configuration. The maximum rated capability is also an out year projection taking into account any known or programmed upgrades that may increase current stowage capacity. When listing stowage facilities, group by location (e.g. main base, outlying field, special area).*

Table 1.1. Total Facility Ordnance Stowage Summary

Facility Number	Present Inventory		Predicted Inventory FY2001		Maximum Rated Capability	
	Tons*	Sq Ft*	Tons	Sq Ft	Tons	Sq Ft
Magazines						
85A	57	1143	57	1143	857	1143
85B	57	1143	57	1143	57	1143
85C	43	857	43	857	57	1143
85D	23	457	23	457	57	1143
85E	49	971	49	971	57	1143
864	1	16	1	16	8	160
865	7	136	5	104	8	160
866	21	429	21	429	29	571
867	19	371	19	371	29	571
868	7	136	7	136	8	160
869	4	72	4	72	8	160
870	4	72	4	72	8	160

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Table 1.1. Total Facility Ordnance Stowage Summary (Ccontd.)

Facility Number	Present Inventory		Predicted Inventory FY2001		Maximum Rated Capability	
	Tons*	Sq Ft*	Tons	Sq Ft	Tons	Sq Ft
871	4	88	4	88	8	160
872	9	171	9	171	29	571
873	1	16	1	16	8	160
874	14	286	14	286	29	571
875	13	257	13	257	29	571
876	19	371	19	371	29	571
877	10	200	10	200	29	571
878	29	571	29	571	29	571
879	29	571	14	286	29	571
Magazines Outlying Field SNI						
105	0	0	0	0	4	80
106	14	286	14	286	29	571
107	26	514	26	514	29	571
Magazines Channel Islands Air National Guard						
784	2	41	2	41	3	63
Liquid Propellant Storage						
810	78	1554	78	1554	91	1829
847	1	25	1	25	6	123
862	1	25	1	25	6	123
Transfer Shed						
811	17	343	17	343	69	1371
Ready Service Lockers						
330-1	0.07	5	0.07	5	1.35	95

(Contd.)

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Table 1.1. Total Facility Ordnance Stowage Summary (Contd.)

Facility Number	Present Inventory		Predicted Inventory FY 2001		Maximum Rated Capacity	
	Tons*	Sq Ft*	Tons	Sq Ft	Tons	Sq Ft
330-3	0.26	18	0.26	18	1.05	74
330-5	0.26	18	0.26	18	1.05	74
330-8	0.47	33	0.47	33	1.05	74
315A	0.1	7	0.1	7	0.40	28
381	2.76	193	2.76	193	7.88	551
785	0.25	18	0.25	18	0.50	35
47A	0	0	0	0	0.75	53
47B	0.04	3	0.04	3	0.75	53
47C	0.05	3	0.05	3	0.75	53
47D	0.04	3	0.04	3	0.75	53
47E	0.38	26	0.38	26	0.75	53
47F	0.49	34	0.49	34	0.75	53
302	1.05	74	1.05	74	4.2	294
302A	0.53	37	0.53	37	1.05	74
302B	0.11	7	0.11	7	1.05	74
302C	0.84	59	0.84	59	1.05	74
401A	0.25	17	0.25	17	2.45	172
344A	0.30	21	0.30	21	0.40	28
344B	0.04	3	0.04	3	0.40	28
347L	0.90	63	0	0	1.80	126
347R	1.08	76	1.08	76	1.80	126
RSL1	0	0	0	0	1.23	86
RSL2	0.31	21	0.31	21	1.23	86
Total	566.72	11,862	535.65	11,195	1,705.4	19,119
Support Facilities** Ord. Assembly Buildings		21,979				
Ready Missile Test Cells**		6,513				

\*A planning factor of 20 square feet per ton is used to compute the tonnage to sq. ft. data above.

A planning factor of 1.75 is used to account for the unusable square footage based on OP-5 guidance.

\*\*Ordnance Assembly buildings are not considered dedicated storage facilities, but do serve as unique auxiliary ordnance preparation facilities. Point Mugu has 10 such facilities, that the total above (226582 square feet) is for all 10. Likewise, the Point Mugu site has the unique capability to test all-up-round missiles (e.g., as opposed to component testing only) in Ready Missile Test facilities. The total square footage (6513) for these facilities is also included above.

TAB D

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It should be noted that if all ordnance materials were to be returned to dedicated storage, the Point Mugu site would be at a 95% capacity. This would include storage from flight lines, test cells, environmental chambers, ordnance assembly buildings, and other locations.

**1.2** For each Stowage facility identified in question 1.1 above, identify the type of facility (specify if "igloo," "box," etc.). Identify the type of ordnance commodity (from the list above) which are currently stowed in that facility and all other ordnance types which, given existing restrictions, could be physically accommodated in that stowage facility. Specify below if such additional accommodation would require a modification of the facility (e.g. enhanced environmental controls, ESQD waiver).

Identify the reason(s) for which this ordnance is stored at your facility from the following list: own activity use (training); own activity use (operational stock); Receipt/Segregation/ Stowage/Issue (RSSI); transshipment/awaiting issue; deep stow (war reserve); deep stow (awaiting Demil); other. Explain each "other" entry in the space provided, including ordnance stowed which is not a DON asset.

Table 1.2. Total Facility Ordnance Stowage Summary

Facility Number/ Type	Currently Stowed Commodity Type(s)	Reason for Stowage at Your Activity	Commodity Type(s) Which Can Be Stowed
85A/Igloo	Air-Launched Missiles	Test and Evaluation/ Fleet Support	Bombs/Small Arms/ Expendables/CADS/ Mines
85B/Igloo	IR-Launched Missiles/ Bombs	Test and Evaluation/ Fleet Support/Training	Small Arms/ Expendables/CADS/ NERT/Mines
85C/Igloo	Small Arms	Training/FBI Support	All Except Torpedoes
85D/Igloo	Demo	Training/Fleet Support	Bombs/Small Arms/ Expendables
85E/Igloo	Gun Ammo	Training	Small Arms/CADS/ NERT
864/FD	Riot Control Grenades	Training/Base Defense	Small Arms/CADS/ NERT
865/FD	CADS	Test and Evaluation/ Aircraft Support	Small Arms/ Expendables/CADS/ NERT
866/Igloo	Air-Launch Missile Rocket Motors	Test and Evaluation/ Training	Small Arms/ Expendables/CADS/ NERT
867/Igloo	Pyro	Training/Air Crew Support	Small Arms/ Expendables/CADS/ NERT
868/FD	Aircraft Seat Ejection Rocket Motors	Aircraft Support	Small Arms/ Expendables/CADS/ NERT
869/FD	Smokeless Powder/ Propellant	Naval Civil Engineering Lab, Port Hueneme	Small Arms/INERT

(Contd.)

Table 1.2. Total Facility Ordnance Stowage Summary (Contd.)

Facility Number/ Type	Currently Stowed Commodity Type(s)	Reason for Stowage at Your Activity	Commodity Type(s) Which Can Be Stowed
870/FD	Pyro/CADS	Training/Aircraft Support	Small Arms/ Expendables/CADS/ INERT
871/FD	Igniters for JATO	Test and Evaluation/ Fleet Support	Pyro/Small Arms
872/Igloo	Chaff/RBOC	Test and Evaluation/ Fleet Support	Bombs/Small Arms/ Expendables/CADS/ INERT/Mines
873/FD	Dud Fired Ammunition	Explosive Ordnance Disposal	None
874/Igloo	JATO/Boosters	Test and Evaluation/ Fleet Support	Small Arms/ Expendables/CADS/ INERT
857/Igloo	Chaff/RBOC/CADS	Test and Evaluation/ Training/Fleet Support	Bombs/Small Arms/ Expendables/CADS/ INERT/Mines
876/Igloo	Demo/CADS	Training/Fleet Support	Small Arms/ Expendables/INERT
877/Igloo	Pyro/Aircraft Flares	Test and Evaluation/ Training	Small Arms/ Expendables/CADS/ INERT
878/Igloo	Air-Launched Missiles	Test and Evaluation	Bombs/Small Arms/ Expendables
879/Igloo	Boosters for Targets	Test and Evaluation/ Fleet Support	Small Arms/ Expendables/CADS/ INERT
Magazines Outlying Landing Field, San Nicolas Island			
105/FD	Empty		All except torpedoes
106/Igloo	Target Drones	Test and Evaluation/ Fleet Support	None
107/Igloo	Boosters	Test and Evaluation/ Fleet Support	Small Arms/ Expendables/CADS/ INERT
Magazines - Channel Islands National Guard			
784/Box	Small Arms	California Air National Guard	Pyro/Expendables/ CADS/Inert
Liquid Propellant Storage			
810/Special Purpose	Target Drones	Test and Evaluation/ Fleet Support	None

(Contd.)

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Table 1.2. Total Facility Ordnance Stowage Summary (Contd.)

Facility Number/ Type	Currently Stowed Commodity Type(s)	Reason for Stowage at Your Activity	Commodity Type(s) Which Can Be Stowed
847/Liquid Propellant Storage	Oxidizer	Test and Evaluation/ Fleet Support	None
862/Liquid Propellant Storage	Fuel	Test and Evaluation/ Fleet Support	None
Transfer Shed			
811	All Except Torpedoes	Shipment/Outload	All except Torpedoes
Ready Service Lockers			
330-1/prefab	CADS/Pyro	Ready Issue/Operational Use	NERT/Small Arms
330-3/prefab	CADS/Pyro	Ready Issue/Operational Use	NERT/Small Arms
330-5/prefab	CADS/Pyro	Ready Issue/Operational Use	NERT/Small Arms
330-8/prefab	CADS/Pyro	Ready Issue/Operational Use	NERT/Small Arms
315A/Cinder Block	CADS/Pyro	Ready Issue/Operational Use	NERT/Small Arms
381/Cinder Block	CADS/Pyro	Ready Issue/Operational Use	NERT/Small Arms
785/Cinder Block	Small Arms	Ready Issue	CADS/INERT
47A	CADS/Pyro	Ready Issue/Operational Use	NERT/Small Arms
47B	CADS/Pyro	Ready Issue/Operational Use	NERT/Small Arms
47C	CADS/Pyro	Ready Issue/Operational Use	NERT/Small Arms
47D	Explosive Dog Training Kit	Training/Operational Use	None
47E	DEMO	Operational/Emergency Use	None
47F	DEMO	Operational/Emergency Use	None
302/prefab	CADS/Pyro	Ready Issue/Operational Use	NERT/Small Arms
302A/prefab	CADS/Pyro	Ready Issue/Operational Use	NERT/Small Arms
302B/prefab	CADS/Pyro	Ready Issue/Operational Use	NERT/Small Arms
302C/prefab	CADS/Pyro	Ready Issue/Operational Use	NERT/Small Arms
401A/prefab	CADS/Pyro	Ready Issue/Operational Use	NERT/Small Arms
344A/Cinder Block	CADS/Pyro	Ready Issue/Operational Use	NERT/Small Arms

(Contd.)

Table (Contd.)

Facility Number/ Type	Currently Stowed Commodity Type(s)	Reason for Stowage at Your Activity	Commodity Type(s) Which Can Be Stowed
344B/Cinder Block	CADS/Pyro	Ready Issue/Operational Use	INERT/Small Arms
347L/Cinder Block	CADS/Pyro	Ready Issue/Operational Use	INERT/Small Arms
347R/prefab	CADS/Pyro	Ready Issue/Operational Use	INERT/Small Arms
RSL1/prefab	CADS/Pyro	Ready Issue/Operational Use	INERT/Small Arms
RSL2/prefab	CADS/Pyro	Ready Issue/Operational Use	INERT/Small Arms

**1.3** Identify the rated category, rated NEW and status of ESQD arc for each stowage facility listed above.

Table 1.3. Facility Rated Status

Facility Number/ Type	Hazard Rating (1.1-1.4)	Rated NEW	ESQD Arc		
			Established (Y/N)	Waiver (Y/N)	Waiver Expiration Date
<b>Magazines - Point Mugu Main Base</b>					
85A/Igloo	1.1 1.2 (18) 1.3 1.4	30,000 Phy Cap Phy Cap Phy Cap	Y	N	
85B/Igloo	1.1 1.2 (18) 1.3 1.4	75,000 Phy Cap Phy Cap Phy Cap	Y	N	
85C/Igloo	1.1 1.2 (18) 1.3 1.4	250,000 Phy Cap Phy Cap Phy Cap	Y	N	
85D/Igloo	1.1 1.2 (18) 1.3 1.4	250,000 Phy Cap Phy Cap Phy Cap	Y	N	
85E/Igloo	1.1 1.2 (18) 1.3 1.4	250,000 Phy Cap Phy Cap Phy Cap	Y	N	

(Contd.)

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Table 1.3. Facility Rated Status (Contd.)

Facility Number/ Type	Hazard Rating (1.1-1.4)	Rated NEW	ESQD A c		
			Established (Y/N)	Waiver (Y/N)	Waiver Expiration Date
864/FD	1.1 1.2 (04) 1.3 1.4	0 Phy Cap 10,000 10,000	Y	N	
865/FD	1.1 1.2 (04) 1.3 1.4	0 Phy Cap 10,000 10,000	Y	N	
866/Igloo	1.1 1.2 (04) 1.3 1.4	0 Phy Cap 200,000 200,000	Y	N	
867/Igloo	1.1 1.2 (04) 1.3 1.4	0 Phy Cap Phy Cap Phy Cap	Y	N	
868/FD	1.1 1.2 (04) 1.3 1.4	0 Phy Cap Phy Cap Phy Cap	Y	N	
869/FD	1.1 1.2 (04) 1.3 1.4	0 Phy Cap Phy Cap Phy Cap	Y	N	
870/FD	1.1 1.2 (04) 1.3 1.4	0 Phy Cap Phy Cap Phy Cap	Y	N	
871/FD	1.1 1.2 (08) 1.3 1.4	0 Phy Cap Phy Cap Phy Cap	Y	N	
872/Igloo	1.1 1.2 (08) 1.3 1.4	0 Phy Cap Phy Cap Phy Cap	Y	N	
873/FD	1.1 1.2 (12) 1.3 1.4	20,000 Phy Cap Phy Cap Phy Cap	Y	N	
874/Igloo	1.1 1.2 (12) 1.3 1.4	20,000 Phy Cap 50,000 50,000	Y	N	

(Contd.)

Table 1.3. Facility Rated Status (Contd.)

Facility Number/ Type	Hazard Rating (1.1-1.4)	Rated NEW	ESQID Arc		
			Established (Y/N)	Waiver (Y/N)	Waiver Expiration Date
875/Igloo	1.1 1.2 (18) 1.3 1.4	75,000 Phy Cap Phy Cap Phy Cap	Y	N	
876/Igloo	1.1 1.2 (18) 1.3 1.4	75,000 Phy Cap Phy Cap Phy Cap	Y	N	
877/Igloo	1.1 1.2 (18) 1.3 1.4	75,000 Phy Cap Phy Cap Phy Cap	Y	N	
878/Igloo	1.1 1.2 (18) 1.3 1.4	75,000 Phy Cap Phy Cap Phy Cap	Y	N	
879/Igloo	1.1 1.2 (18) 1.3 1.4	30,000 Phy Cap Phy Cap Phy Cap	Y	N	
Magazines - Outlying Landing Facility - San Nicolas Island					
105/FD	1.1 1.2 (18) 1.3 1.4	15,000 15,000 Phy Cap Phy Cap	Y	N	
106/Igloo	1.1 1.2 (18) 1.3 1.4	100,000 100,000 Phy Cap Phy Cap	Y	N	
107/Igloo	1.1 1.2 (18) 1.3 1.4	100,000 100,000 Phy Cap Phy Cap	Y	N	
Magazines - Channel Islands Air National Guard					
784/Box	1.1 1.2 1.3 1.4	0 0 50 Phy Cap	Y	N	
Liquid Propellant Storage					

(Contd.)

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Table 1.3. Facility Rated Status (Contd.)

Facility Number/ Type	Hazard Rating (1.1-1.4)	Rated NEW	ESQD Arc		
			Established (Y/N)	Waiver (Y/N)	Waiver Expiration Date
810/Special Purpose	1.1 1.2 1.3 1.4	5,000 0 0 0	Y	N	
847/Liquid propellant Storage	GROUP III	10,000	Y	N	
862/Liquid Propellant Storage	Group I	10,000	Y	N	
Transfer Shed					
811/Special Purpose	1.1 1.2 (08) 1.3 1.4	15,000 15,000 Phy Cap Phy Cap	Y	N	
Ready Service Lockers					
330-1/prefab	1.1 1.2 1.3 1.4	0 0 50 100	Y	N	
330-3/prefab	1.1 1.2 1.3 1.4	0 0 50 100	Y	N	
330-5/prefab	1.1 1.2 1.3 1.4	0 0 50 100	Y	N	
330-8/prefab	1.1 1.2 1.3 1.4	0 0 50 100	Y	N	
315A/Cinder Block	1.1 1.2 1.3 1.4	0 0 50 100	Y	N	
381/Cinder Block	1.1 1.2 1.3 1.4	0 0 50 100	Y	N	
785/Cinder Block	1.1 1.2 1.3 1.4	0 0 0 100	Y	N	

(Contd.)

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Table 1.3. Facility Rated Status (Contd.)

Facility Number/ Type	Hazard Rating (1.1-1.4)	Rated NEW	ESQE Arc		
			Established (Y/N)	Waive (Y/N)	Waiver Expiration Date
47A, B, C, D, E, F Exp Limits are combined for all RSLs in the Group/prefab	1.1	200	Y	N	
	1.2 (12)	200			
	1.3	1000			
	1.4	1000			
302/prefab	1.1	0	Y	N	
	1.2	0			
	1.3	50			
	1.4	100			
302B/prefab	1.1	9	Y	N	
	1.2	9			
	1.3	50			
	1.4	100			
302C/prefab	1.1	0	Y	N	
	1.2	0			
	1.3	50			
	1.4	100			
401A/prefab	1.1	0	Y	N	
	1.2	0			
	1.3	50			
	1.4	100			
344A/Cinder Block	1.1	0	Y	N	
	1.2	0			
	1.3	50			
	1.4	100			
344B/Cinder Block	1.1	0	Y	N	
	1.2	0			
	1.3	50			
	1.4	100			
347L/Cinder Block	1.1	0	Y	N	
	1.2	0			
	1.3	50			
	1.4	100			
347R/prefab	1.1	0	Y	N	
	1.2	0			
	1.3	50			
	1.4	100			
RSL1/prefab	1.1	0	Y	N	
	1.2	0			
	1.3	50			
	1.4	100			
RSL2/prefab	1.1	0	Y	N	
	1.2	0			
	1.3	50			
	1.4	100			

TAB D

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CAPACITY**

BRAC 95 DATA CALL #4

ACTIVITY UIC: 63126

**1.4** *Identify any restrictions which prevent maximum utilization of your facilities. If restrictions are based on facility conditions, specify reason, the cost to correct the deficiency, and identify any programmed projects that will correct the deficiency and/or increase your capability.*

Magazines 864 through 872 are restricted from storing Hazard Class 1.1 material due to the proximity of the Range Radar, Building 84.

**1.5** *Identify if your activity performs any of the following functions on any of the ordnance commodities previously listed. Technical support includes planning, financial, administrative, process engineering and SOP support. Within each related function identify each ordnance commodity type for which you provide these services and the total Direct Labor Man Hours (DLMHs) expended (FY1994); identify only those DLMHs expended by personnel under your command.*

Table 1.5. Related Ordnance Support

Related Functions	Performed? (Y/N)	Type of Commodity	DLMHs
Maintenance (specify level)	Yes I - Level D-Level	Air-Launched Missiles	6562 9870
Testing	Yes	Air-Launched Missiles	40110
Manufacturing	No		
Outload	Yes	All except mines and torpedoes	11222
Technical Support	Yes	Air-Launch Missiles	33098

BRAC 95  
DATA CALL 4

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

G. H. Strohsahl, RADM, USN  
NAME (Please type or print)

  
Signature

Commander  
Title

5/13/94  
Date

Naval Air Warfare Center  
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

\_\_\_\_\_  
NAME (Please type or print)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

W. C. Bowes, VADM, USN  
NAME (please type or print)

  
Signature

Commander  
Title

13 May 94  
Date

Naval Air Systems Command  
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)  
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J. B. Greene, Jr  
NAME (Please type or print)

  
Signature

Acting  
Title

19 May 1994  
Date

of this mission. A single support organization serves both sites, resulting in the most cost effective infrastructure. Although BRAC '95 Data Call #5 is provided separately for China Lake and Point Mugu as requested, the capabilities of both NAWCWPNS sites must be considered as an integrated whole.

I certify the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

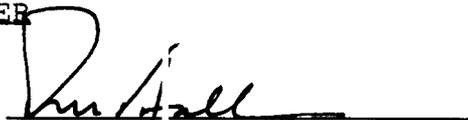
Roger K. Hull, CAPT., USN

NAME (Please type or print)

~~Vice Commander~~ **Acting**

Title  
Naval Air Warfare Center,  
Weapons Division

Activity

  
Signature

10 MAY 1994  
Date:

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

W. E. NEWMAN, RADM, USN  
NAME (Please type or print)  
COMMANDER  
Title  
NAVAL AIR WARFARE CENTER  
Activity

W E Newman  
Signature  
10/3/94  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print)  
Title  
Activity

Signature  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

W.C. BOWES, VADM USN  
NAME (Please type or print)  
COMMANDER  
Title  
NAVAL AIR SYSTEMS' COMMAND  
Activity

W C Bowes  
Signature  
9 Oct 94  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

**DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)  
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)**

P. W. DRENNON  
NAME (Please type or print)  
Acting  
Title

[Signature]  
Signature  
12 OCT 1994  
Date

BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

*In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, Uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."*

*The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.*

*Each individual in you activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.*

I certify the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

Roger K. Hull, CAPT, USN  
Name (Please type or print)

  
Signature

Acting Commander  
Title

20 Sept '94  
Date

Naval Air Warfare Center Weapons Division Point Mugu Site  
Activity

Data Call #4 Revision of 20 September 1994

NAWCWD  
PT. NUGU  
DATA CALL # 4  
REV 9/15/94

Rev. UIC 63126  
Pg 7.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

L. L. LUNDBERG  
NAME (Please type or print)  
ACTING COMMANDER  
Title  
NAVAL AIR WARFARE CENTER  
Activity

[Signature]  
Signature  
9/20/94  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

\_\_\_\_\_  
NAME (Please type or print)  
\_\_\_\_\_  
Title  
\_\_\_\_\_  
Activity

\_\_\_\_\_  
Signature  
\_\_\_\_\_  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

DONALD V. BOECKER, RADM USN  
WXXGXXBOWESVADMXXUSN  
NAME (Please type or print)  
COMMANDER (ACTING)  
Title  
NAVAL AIR SYSTEMS COMMAND  
Activity

[Signature]  
Signature  
21 Sep. 94  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

**DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)  
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)**

W. A. EARNER  
NAME (Please type or print)  
\_\_\_\_\_  
Title

[Signature]  
Signature  
9/29/94  
Date

BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, Uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in you activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

Roger K. Hull, CAPT. USN  
Name (Please type or print)

  
Signature:

Acting Commander  
Title

16 Sep: '94  
Date

Naval Air Warfare Center Weapons Division Point Mugu Site  
Activity



"LAB" JOINT CROSS-SERVICE GROUP GUIDANCE  
PACKAGE DATA CALL

(COMPLETE REVISION)  
8-8-94

CAPACITY ANALYSIS:  
DATA CALL #12

168

TECHNICAL CENTERS

WITH REVISIONS DATED

11-14 AUG 94

18 AUG 94

21 AUG 94

13 SEP 94

21 SEP 94

Category	Technical Center
Technical Center Site	NAWCWPNS, Point Mugu
Location/Address	Point Mugu, California

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## INTRODUCTION

### **NAVAL AIR WARFARE CENTER WEAPONS DIVISION, MISSION AND SITES**

The Naval Air Warfare Center Weapons Division (NAWCWPNS) is a full-spectrum research, development, test, evaluation, and in-service engineering center for weapon systems associated with air warfare (except antisubmarine warfare systems), missiles and missile subsystems, aircraft weapons integration, and assigned airborne electronic warfare systems. In addition, NAWCWPNS maintains and operates DOD's largest and most completely instrumented air, land, and sea test range complex.

NAWCWPNS was formed through the combination of four Navy shore facilities: the Naval Weapons Evaluation Facility, Albuquerque, New Mexico; the Naval Ordnance Missile Test Station, White Sands, New Mexico; the Pacific Missile Test Center, Point Mugu, California; and the Naval Weapons Center, China Lake, California. Integrating the full-spectrum activities of these four organizations provides an expanded capability for research, development, test, evaluation, and support throughout the weapon-system life cycle. The current structure of NAWCWPNS includes an overall Command function; laboratory (R&D) functions concentrated within the R&D Pillar, reporting to the Deputy Commander for R&D; T&E functions in the T&E Pillar, reporting to the Deputy Commander for T&E; a single Services and Information Directorate; and Naval Air Weapons Stations at Point Mugu and China Lake as "base-keepers."

The primary sites of NAWCWPNS are at China Lake, California located in the high desert approximately 150 miles northeast of Los Angeles, and at Point Mugu, California, located on the coast approximately 60 miles northwest of Los Angeles. A major detachment is operated at White Sands, New Mexico (as a tenant at the White Sands Missile Range (WSMR)), and another smaller group is located at Albuquerque, New Mexico (as a tenant at Kirtland AFB).

NAWCWPNS is a truly integrated structure. Many organizational entities are spread across multiple sites. For example, the Aircraft Weapon Systems programs at the China Lake and Point Mugu sites have been consolidated into a single organization with facilities and capabilities at both sites, and the personnel work as an integrated team. Similar consolidations at NAWCWPNS have been made in the areas of Engineering and In-Service Engineering, Targets and Threat Simulations, Information and Electronic Warfare, Air Intercept Weapons and Attack Weapons, and most base support functions. Additionally, this integration has resulted in the Naval Western Test Range Complex, which is composed of the Point Mugu sea range and test facilities combined with the land ranges and test facilities at China Lake and White Sands. The Complex provides complementary, full-spectrum test capability for weapon systems and aircraft. Additionally, the Major Range and Test Facility Base (MRTFB) portion of the funding is managed through a consolidated centralized program office.

NAWCWPNS as a total entity represents the work of more than 8,000 civilian employees and 1,300 military personnel. It is the Navy's complete sector of scientific and technical knowledge for air warfare systems, guided missiles, and aircraft weapon integration. Existence at China Lake of DOD's largest weapons R&D laboratory in immediate proximity to the land and test range has repeatedly been shown to be of great significance in furthering the air weapons development function. Equally significant is NAWCWPNS Point Mugu's role as the Navy's primary weapons T&E site and air weapons in-service engineering support site with its contiguous Sea Test Range and its air weapons in-service engineering support, which complements the China Lake R&D role.

Since NAWCWPNS is an integrated organization at multiple sites, an artificial split is being made to respond to BRAC data calls. The organization is completely integrated across sites and functional

Revised pg R

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areas and pursues work with the philosophy that RDT&E is a seamless process. In addition, many support functions are provided through a single, central, consolidated organizational element. Although the data calls are provided separately as requested, the capabilities of the NAWCWPNS sites must be treated as an integrated whole. As an example, the Threat Simulation Directorate is a single organization with personnel at both major sites supporting both Laboratory and T&E functions. The Directorate has a consolidated budget administered by a single comptroller, and a consolidated position management structure administered by a single Human Resources Department.

#### **NAWCWPNS LABORATORY FUNCTIONS**

The laboratory functions at the NAWCWPNS are performed in the R&D Pillar at China Lake and at Point Mugu. The data provided in this data call response reflect the operations of that organization.

**SECTION I: TASKING**

*In accordance with the Deputy Secretary of Defense memorandum dated 7 Jan 94, the Laboratory Joint Cross-Service Group (LJCSG) with DOD components should, where operationally and cost effective, strive to: retain in only one Service militarily unique capabilities used by two or more Services; consolidate workload across the Service to reduce capacity; and assign operational units from more than one Service to a single base. Specifically, the purpose of the LJCSG is:*

- *Determine common support functions and bases to be addressed by LJCSG*
- *Establish guidelines, standards, assumptions, measures of merit, data elements and milestone schedules for DOD Component conduct of cross-service analysis of common support functions*
- *Review excess capacity analysis*
- *Develop closure or realignment alternatives*
- *Analyze cross-service trade-offs*

*The following information identifies to the Services common support functions and data element requirements necessary to support the cross-service analysis of these common support functions.*

**1.1 Guidelines.** *Because the DOD components are organized differently, "Lab" activities are considered to be those involved in the following life cycle efforts: Science and technology, and/or engineering development, and/or in-service engineering.*

*Service missions and force structure will be as stipulated in the FY1995-2000 Defense Planning Guidance and Interim Force Structure Plan.*

*The Military Departments will use the projected funding in the FY95 President's Budget Submission (Future Years Defense Plan--FYDP) and an estimate of funds that will be received from outside the military department for execution.*

*If "lab" excess capacity exists, the Military Departments will start to reduce it where operationally and cost effective through a combination of downsizing in place within the departments, internal service consolidation, and cross-service alternatives.*

*The Military Departments will gather, exchange, and analyze data collected per this guidance call for Common Support Functions (Appendix C) at "lab" activities (Appendix B) in accordance with the milestones and schedule dates identified in Appendix A.*

*Cross-service alternatives will result in an aggregate reduction in the overall "lab" infrastructure across the Military Departments—personnel/funding/facilities and equipment.*

*Common cross-service Measures of Merit will be consistently applied for all cross-service alternatives.*

*Integration of weapon systems/components into operational forces will remain with the individual Military Departments responsible for those forces.*

**1.2 Standards.** *Evaluation of cross-service alternatives will be consistent with PL 101-510 (as amended) and the eight BRAC criteria. Only certified data will be used.*

*The COBRA cost model will be used to calculate estimated costs, estimated savings, and Return on Investment (ROI) of alternatives leading to proposed closures and realignments. Common inputs will be used for Military COBRA runs incorporating cross-service alternatives.*

areas and pursues work with the philosophy that RDT&E is a seamless process. In addition, many support functions are provided through a single, central, consolidated organizational element. Although the data calls are provided separately as requested, the capabilities of the NAWCWPNS sites must be treated as an integrated whole. As an example, the Threat Simulation Directorate is a single organization with personnel at both major sites supporting both Laboratory and T&E functions. The Directorate has a consolidated budget administered by a single comptroller, and a consolidated position management structure administered by a single Human Resources Department.

#### NAWCWPNS LABORATORY FUNCTIONS

The laboratory functions at the NAWCWPNS are performed in the F.&D Pillar at China Lake and for the most part at Point Mugu. The data provided in this data call response reflect the operations of that organization.

AM

*Military value analysis will be conducted by the Military Departments IAW Title 10, USC responsibilities.*

**1.3 Assumptions.** *"Lab" Common Support Functions and activities identified herein represent the major opportunities for developing cross-service alternatives. The Military Departments are not precluded from proposing other cross-service alternatives to reduce excess capacity as they assess the full complement of "lab" functions.*

*Previous BRAC decisions will be factored into cross-service alternatives.*

*"Lab" capacity will be based on budgeted workyears. A workyear is considered to be 2080 hours adjusted for time not on the job (e.g. sick leave, annual leave, etc.)*

**1.4 Measures of Merit.** *The following Measures of Merit represent the outcome from the DOD component final realignment and closure recommendations that are supported by the capabilities data which will be gathered by activity and common support function in Section III of this guidance.*

- *Reduction of "lab" infrastructure*
- *Return on investment (COBRA)*
- *Military value (BRAC criteria 1-4)—the composite assessment of the quality of the remaining "lab" infrastructure*

**1.5 Activities.** *The Military Departments will collect capacity data for each "lab" activity identified in Appendix B. The "lab" activities were selected by considering all individual aggregates of personnel and facilities located at one base, under the same commander, performing predominantly science and technology (S&T), engineering development, and/or in-service engineering work. Small subelements of these "lab" activities were included with the activity. Larger subelements were broken out and defined as separate activities. The list of activities was then narrowed down to the list in Appendix B based on a joint Military Department assessment of common support functions with cross-service potential.*

**1.6 Common Support Functions.** *The common support functions (CSFs) were selected as shown in Appendix C based on a joint Military Department assessment of commonality and cross-servicing potential. Common support functions which were already consolidated and being cross-serviced were not included.*

*Common Support Functions are divided into two categories: product and pervasive. Product functions include all S&T, engineering development, and in-service engineering efforts associated with a product from all funding sources. Pervasive functions only include those efforts that are S&T funded, i.e. Technology Base (6.1)/Exploratory Development (6.2)/Advanced Development (6.3).*

~~SECRET~~

**SECTION II: CAPACITY OF DOD COMPONENTS**

**2.1 Workload.** Use the following table to describe historic and projected workload at each activity in terms of funding and workyears. Assume previous BRAC closures and realignments are implemented on schedule. Projected funding will be derived from FY95 President's Budget Submission (Then year dollars). Past fiscal year data shall begin with FY86 or at the inception of the activity as it existed on 1 Oct 93. (BRAC Criteria I & IV)

NAWCWPNS is a Defense Operating Fund (DBOF) activity. As such, funding is programmed to support a combination of in-house technical efforts, local Scientific, Engineering and Technical Assistance (SETA) contracts, non-local technical work performed by industrial contracts and infrastructure support (i.e. overhead).

The data that is presented in the following table do not reflect non-R&D activity at the Point Mugu site. The data are for efforts that are managed by the "laboratory" portion of the organization. The workyear data is for Direct workyears only and do not include the production or general overhead workyears associated with the Direct workload.

Information Required	Fiscal Years											
	86	87	88	89	90	91	92	93	94	95	96	97
Total Funds Programmed (\$M)	151	173	226	251	248	283	288	327	324	323	320	315
Total Actual Funds (\$M)	153	173	236	248	244	289	298	327				
Programmed Workyears	1295	1532	1557	1421	1576	1922	1991	2040	1963	1884	1868	1850
Actual Workyears	1368	1532	1633	1578	1633	1843	1779	1910				

- Budgeted workyears are the selected indicator of the "lab" infrastructure's capacity at an aggregate level for each Military Department. They include both workyears funded directly by the Military Department and the workyears funded from organizations outside the Military Department.

Workyears = government personnel and on-site FFRDCs and SETAs

**2.2 Excess "Lab" Capacity—Measured at the DOD Component Level**

- *Excess "Lab" Capacity = Sum of the Peak Workyears - Sum of the Projected Workyears*
- *Peak at each activity = Highest value between FY86 (or since inception of organization) and FY93*
- *Projected at each activity = Estimated at FY97*

**SECTION III: CAPABILITY OF ACTIVITIES TO PERFORM COMMON SUPPORT FUNCTIONS (CSEs):** *Provide the information described for each common support function listed in Appendix C in which you are actively engaged.*

**3.0 Mission:** *Describe the major capabilities at your activity contributing to the common support function in bulletized format. Describe any relationship and interconnectivity with other functions (common or otherwise) in support of the overall activity mission.*

NAWCWPNS Point Mugu is an engineering center with a workload that encompasses a broad range of activity that span eight CSFs: Air Vehicles (both Fixed- and Rotary-Wing Avionics), Weapons (Conventional and Cruise Missiles, Bombs, and Guns and Ammunition), and C4I (Fixed and Mobile Ground-based C4I). The center's workload, consisting of development, T&E, and in-service support of systems in these CSFs, combined with a major test range, supports the fielding of integrated weapons systems to the Fleet. The following summarizes the capabilities of NAWCWPNS Point Mugu to support these CSFs.

**CSF: AIR VEHICLES, Fixed Wing, Avionics**

- Electronic Warfare Countermeasures Systems, R&D and ISE
- Electronic Warfare Systems Support Equipment
- EA-6B Weapons Systems R&D and ISE
- Life Cycle System Engineering for Tactical Aircraft Systems
- Tactical System Software Upgrades
- Avionics Systems Integration

**CSF: AIR VEHICLES, Rotary Wing, Avionics**

- Electronic Warfare Countermeasures Systems, R&D and ISE
- Electronic Warfare Systems Support Equipment
- EA-6B Weapons Systems R&D and ISE
- Life Cycle System Engineering for Tactical Aircraft Systems
- Tactical System Software Upgrades
- Avionics Systems Integration

**CSF: WEAPONS, Conventional Missiles/Rockets**

- Digital Hardware-In-The-Loop Simulation
- Tactical Aircraft Weapons Integration
- All-Up-Round and Launch Platform Integration Testing
- Provide and maintain facilities required for the above functions; facilities are used by Government and contractors

**CSF: WEAPONS, Cruise Missiles**

- Digital Hardware-In-The-Loop Simulation
- Tactical Aircraft Weapons Integration
- All-Up-Round and Launch Platform Integration Testing
- Provide and maintain facilities required for the above functions; facilities are used by Government and contractors

**CSF: WEAPONS, Bombs**

- Digital Hardware-In-The-Loop Simulation
- Tactical Aircraft Weapons Integration
- All-Up-Round and Launch Platform Integration Testing
- Provide and maintain facilities required for the above functions; facilities are used by Government and contractors

**CSF: WEAPONS, Guns and Ammunition**

- Digital Hardware-In-The-Loop Simulation
- Tactical Aircraft Weapons Integration
- All-Up-Round and Launch Platform Integration Testing
- Provide and maintain facilities required for the above functions; facilities are used by Government and contractors

**CSF: C4I, Fixed Ground-Based C4I**

- Tactical Aircraft Systems Mission Planning Systems R&D and ISE
- Tactical Systems/Software Upgrades
- EA-6B Electronic Tactical Warfare Intelligence Data Fusion and Engineering Support
- EA-6B Mission Support Systems Acquisition and ISE support

**CSF: C4I, Ground-Based Mobile C4I**

- Tactical Aircraft Systems Mission Planning Systems R&D and ISE
- Tactical Systems/Software Upgrades
- EA-6B Electronic Tactical Warfare Intelligence Data Fusion and Engineering Support
- EA-6B Mission Support Systems Acquisition and ISE support

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BRAC 95 DATA CALL #12

ACTIVITY UIC: 63126

3.1 Location

**3.1.1 Geographic/Climatological Features:** Describe any geographic/climatological features in and around your activity that are relevant to each CSF. Indicate and justify those that are required versus those that just serve to enhance accomplishing the mission of the activity. For example, clear air at high altitude that increases quality of atmospheric, ground-based laser experiments in support of the weapons CSF. (BRAC Criteria I)

The primary sites of NAWCWPNS are at Point Mugu, California, located on the coast, appropriately 80 miles northwest of Los Angeles, and at China Lake, located in the high desert, approximately 150 miles northeast of Los Angeles. Major detachments are operated at Albuquerque, New Mexico (as a tenant at Kirtland AFB), and White Sands, New Mexico (as a tenant at the White Sands Missile Range). A smaller detachment is operated at Eglin AFB in Florida to provide joint technical management with the USAF of the Joint Direct Attack Munition (JDAM) program.

The location of Point Mugu is shown on the maps in Figures 1 and 2 in relation to the other activities. As can be seen, the NAWCWPNS complex provides a unique capability to exercise long-range, multiplatform weapon systems that require complementary capabilities of neighboring facilities. As an example (Figure 2) the Tomahawk cruise missile can be launched from the Sea Test Range at Point Mugu, from ship or submarine; fly over water to the desired distance; make a landfall and fly hundreds of miles overland through a special corridor; and impact realistic targets at NAWCWPNS China Lake or at the Utah Test and Training Range.

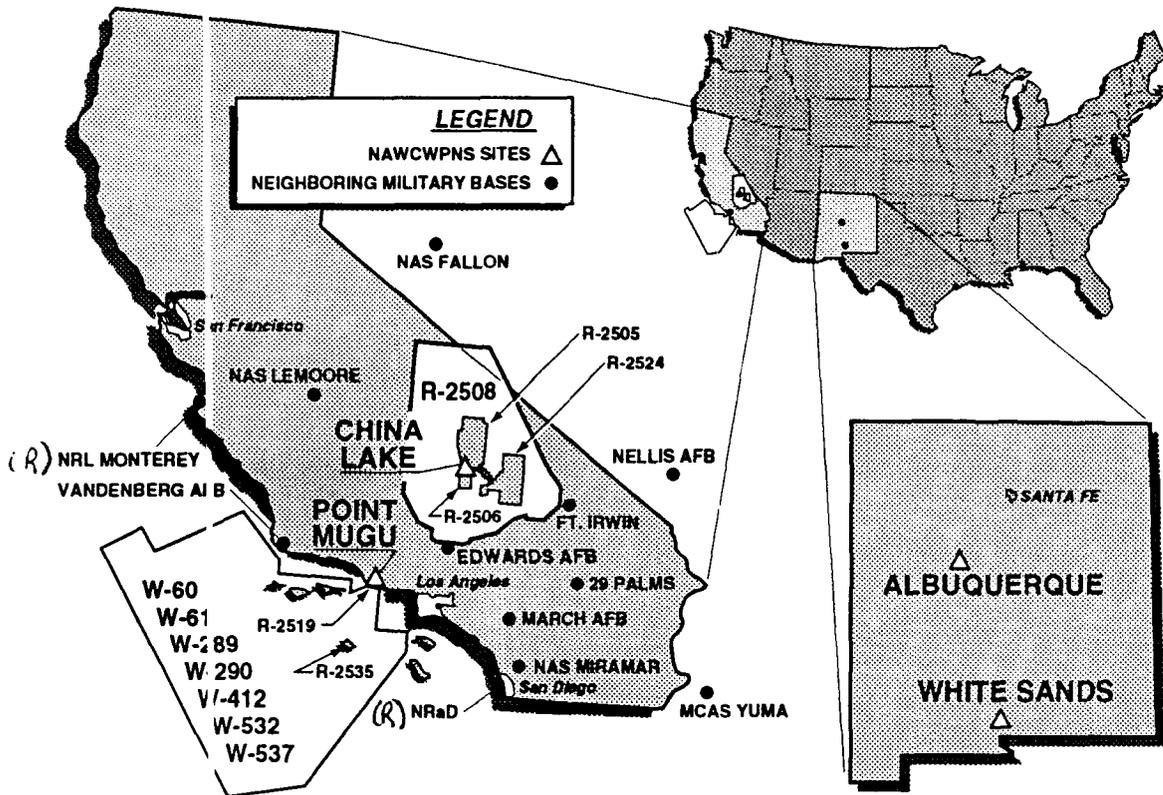


FIGURE 1. NAWCWPNS Site Locations.

ALR-0763,  
9/20/94

3.1 Location

3.1.1 Geographic/Climatological Features: Describe any geographic/climatological features in and around your activity that are relevant to each CSF. Indicate and justify those that are required versus those that just serve to enhance accomplishing the mission of the activity. For example, clear air at high altitude that increases quality of atmospheric, ground-based laser experiments in support of the weapons CSF. (BRAC Criteria I)

The primary sites of NAWCWPNS are at Point Mugu, California, located on the coast, appropriately 80 miles northwest of Los Angeles, and at China Lake, located in the high desert, approximately 150 miles northeast of Los Angeles. Major detachments are operated at Albuquerque, New Mexico (as a tenant at Kirtland AFB), and White Sands, New Mexico (as a tenant at the White Sands Missile Range). A smaller detachment is operated at Eglin AFB in Florida to provide joint technical management with the USAF of the Joint Direct Attack Munition (JDAM) program.

The location of Point Mugu is shown on the maps in Figures 1 and 2 in relation to the other activities. As can be seen, the NAWCWPNS complex provides a unique capability to exercise long-range, multiplatform weapon systems that require complementary capabilities of neighboring facilities. As an example (Figure 2) the Tomahawk cruise missile can be launched from the Sea Test Range at Point Mugu, from ship or submarine; fly over water to the desired distance; make a landfall and fly hundreds of miles overland through a special corridor; and impact realistic targets at NAWCWPNS China Lake or at the Utah Test and Training Range.

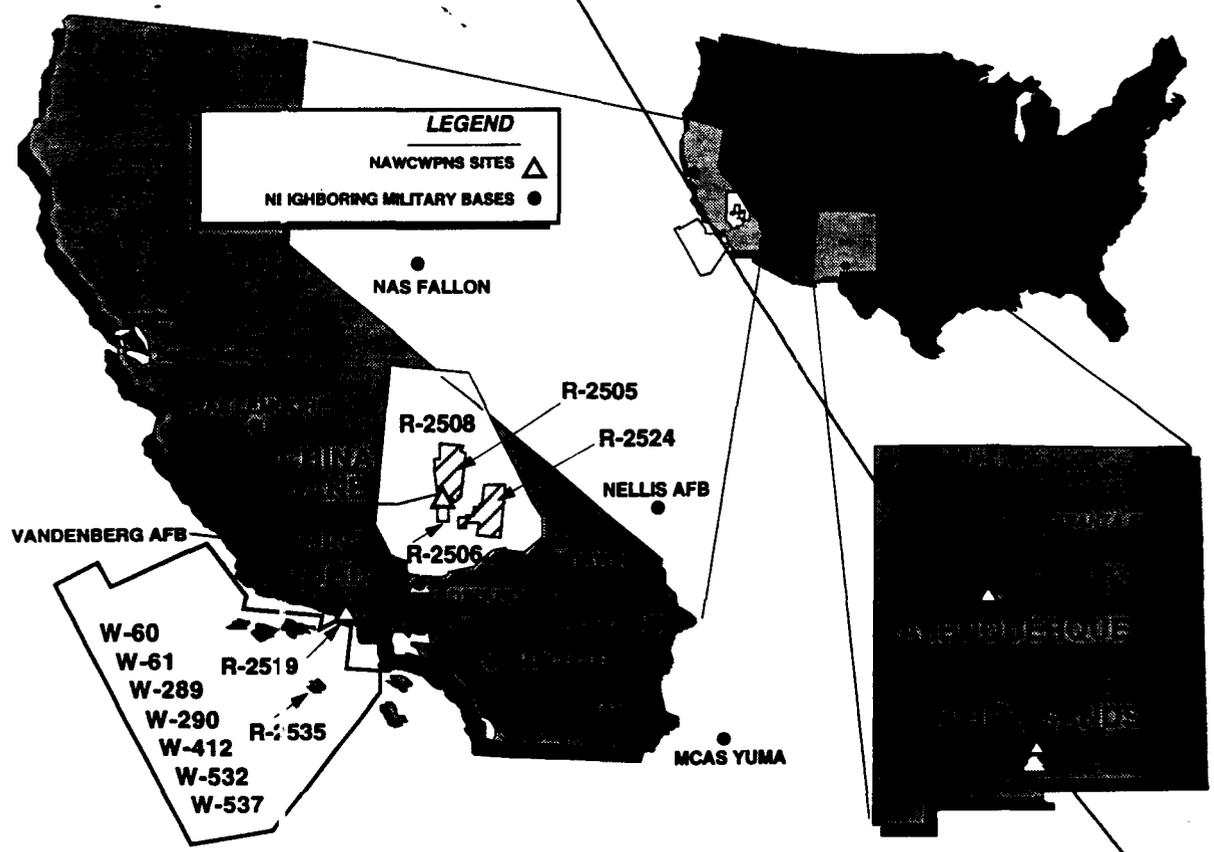


FIGURE 1. NAWCWPNS Site Locations.

### 3.1 Location

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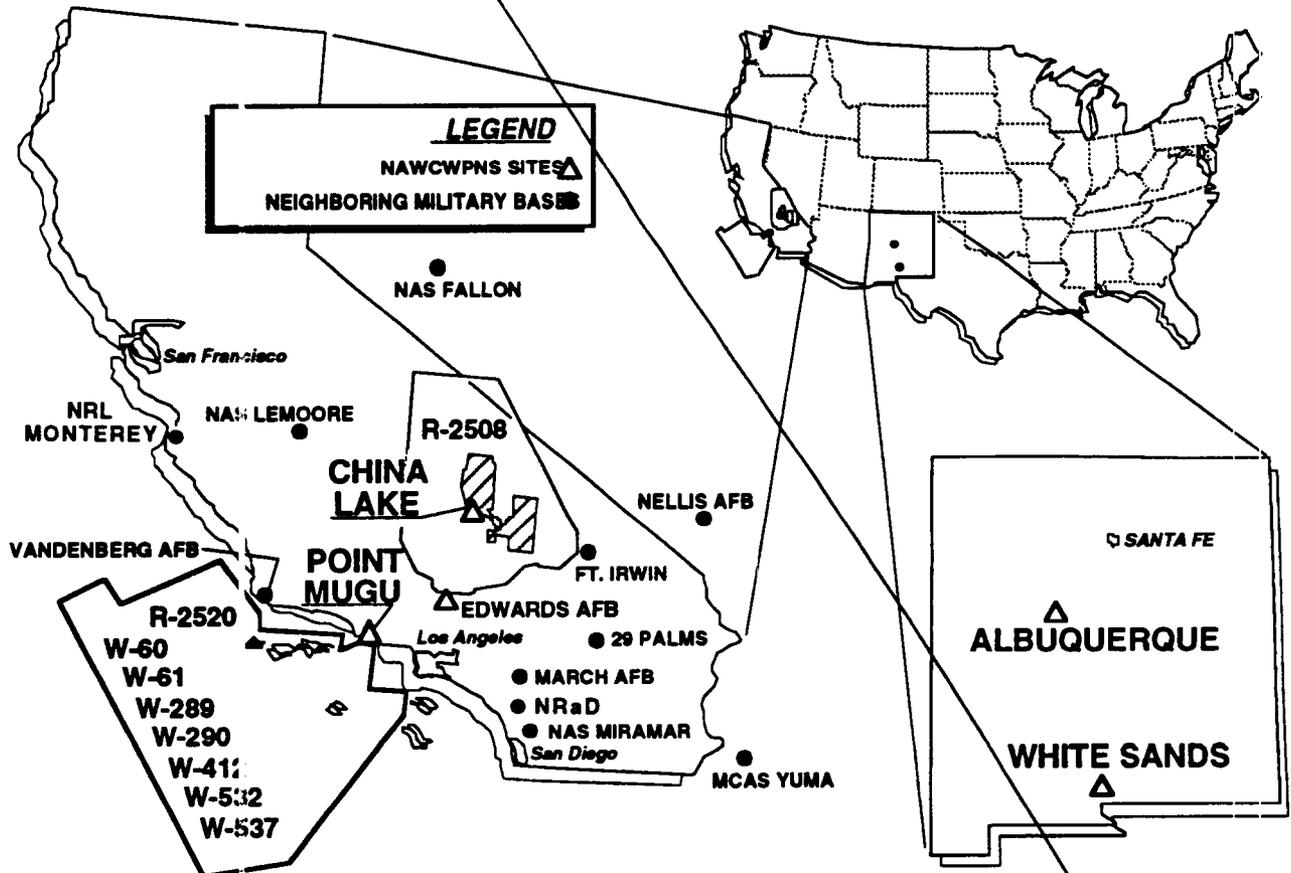


FIGURE 1. NAWCWPNS Site Locations.

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ACTIVITY UIC: 63126

While Point Mugu's atmosphere is typically mild, comfortable and very favorable for conducting test operations, it also incorporates many of the features needed to ensure that test and evaluation (T&E) of weapons systems will be performed not only under ideal conditions, but also in settings which duplicate conditions experienced in the most prominent and likely theaters of operation worldwide. These features which are addressed in the Navy RDT&E efforts, address the highest CINCPACFLT and CINCLANTFLT environmental support requirements, EM/EO propagation, and Tomahawk support. For example, the strong ducting conditions that occur in the Point Mugu area are precisely those experienced in the Northern Arabian Sea and Persian Gulf areas which challenge AEGIS and all threat detection system capabilities. The ability to test shipboard detection and Standard Missile capabilities in this environment not only enhances operational AEGIS "Shield of the Fleet" capabilities, but also provides a basis for mitigating the environmental (air-sea) ducting conditions. Testing in this environment now minimizes such uncertainties for future engagements. The Point Mugu atmosphere provides the vehicle for testing the various near-sea surface capabilities developed by or for the Navy to measure, model and forecast radar propagation in the shipboard boundary layer environment where the threat from sea-skimming missiles is greatest. The Navy-sponsored RDT&E performed within this laboratory addresses these operational problems.

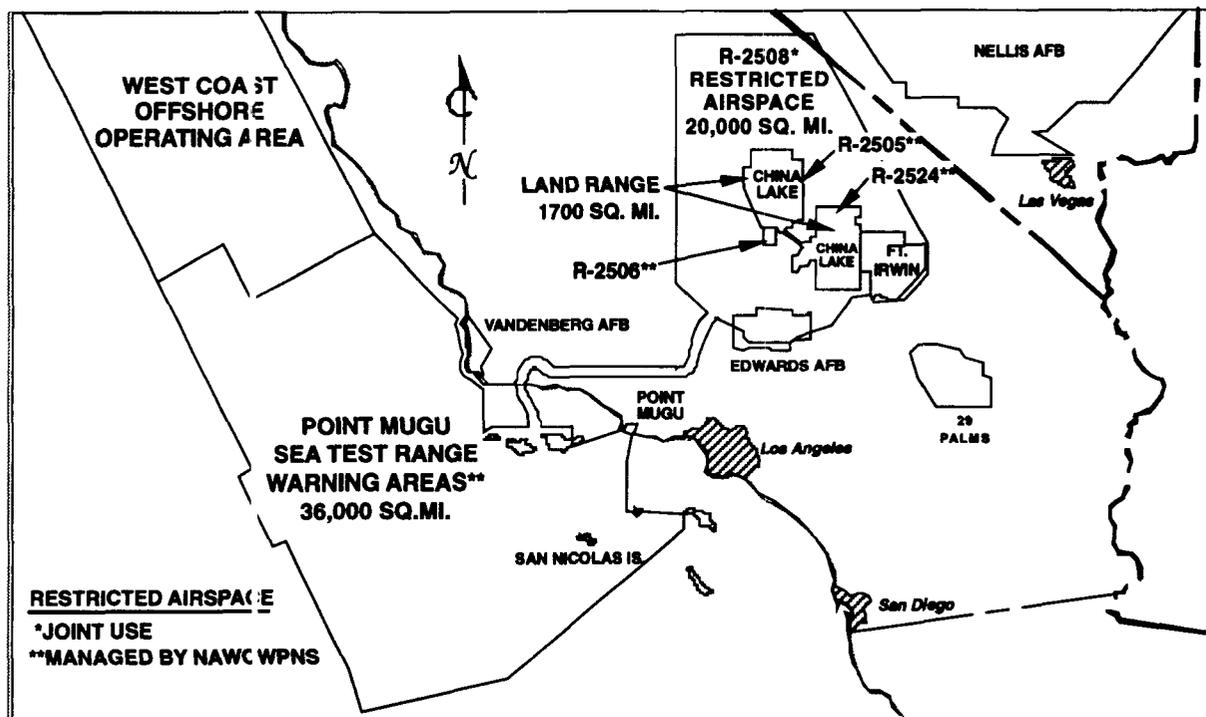


FIGURE 2. NAWCWPNS Air/Land/Sea Ranges.



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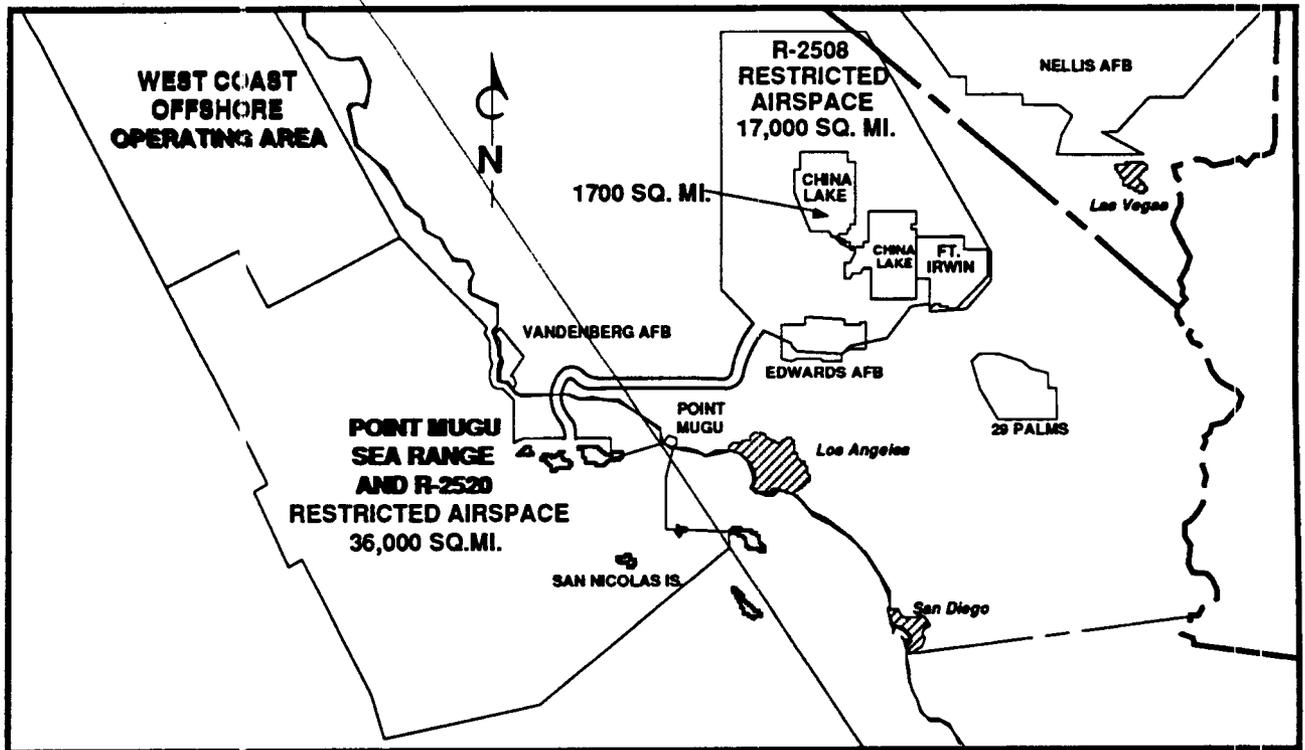


FIGURE 2. NAWCWPNS Air/Land/Sea Ranges.

The following CSIs require each of the unique Geographic/Climatological features described below to accomplish their mission:

AIR VEHICLES, FIXED WING, AVIONICS  
AIR VEHICLES, ROTARY WING, AVIONICS  
WEAPONS, CONVENTIONAL MISSILES/ROCKETS  
WEAPONS, CRUISE MISSILE  
WEAPONS, BOMBS  
WEAPONS, GUNS and AMMUNITION  
C4I, FIXED, GROUND-BASED  
C4I, GROUND BASED, MOBILE

Point Mugu's unique Geographic/Climatological features are:

- SEA TEST RANGE
- R-2508 SPECIAL USE AIRSPACE COMPLEX
- AIR-SEA ENVIRONMENT
- SAN NICOLAS ISLAND
- LAGUNA PEAK
- FAA CORRIDORS

### Sea Test Range

The NAWCWPNS Point Mugu Sea Test Range provides an irreplaceable operationally realistic environment that combines open ocean, islands, coastal air and sea influences, and adjacent mountains and desert. The NAWCWPNS Point Mugu site provides precisely the combination of factors needed to satisfy DOD's emphasis on precision guided munitions and smart stand-off weapons. It provides the realistic test and evaluation setting required to address the needs of strike, littoral, anti-surface, anti-aircraft, and Joint Special Warfare requirements as described in "From The Sea", and in so doing provides the knowledge-base for laboratory efforts to develop techniques to exploit the environment in Navy operations by capitalizing on range operations and the activities in the Sea Range.

### R-2508 Special Use Airspace Complex

Additionally, Point Mugu uses the R-2508 special use airspace complex. This airspace complex is relatively unencroached by commercial and general aviation traffic and is used extensively by numerous other military activities, including Edwards AFB, California; NAWCWPNS China Lake, California; NAS Lemoore, California; Naval Strike Warfare Center, Fallon, Nevada; Fresno Air National Guard, California; Nellis AFB, Nevada; NAS Miramar, California; and MCAS Yuma, Arizona.

The NAWCWPNS complex provides a unique capability to exercise long-range, multi-platform weapon systems that require complementary capabilities of neighboring facilities. As an example (Figure 2) the Tomahawk cruise missile can be launched from Sea Test Range at Point Mugu, from ship or submarine, fly over water to the desired distance; make a landfall and fly hundreds of miles overland through a special corridor; and impact realistic targets at NAWCWPNS China Lake or at the Utah Test and Training Range.

The Cruise Missile Program's Mission Planning Office has provided NAWCWPNS Point Mugu with an upgraded Mission Distribution System (MDS) in BMIC so that its capability for including meaningful environmental inputs from TESS(3), from the Navy Integrated Tactical Environmental Sub-System (NITESS) and other planned sources can be successfully incorporated and tested to

enhance the strike/mission planning process. The basis of the MDS inputs will be previously described cruise missile developmental efforts at Point Mugu, with emphasis on the kinds of environmental data contrasts characteristic of the NAWCWPNS Point Mugu to fill this important void because of the ongoing work and experience with supporting Tomahawk in the NAWCWPNS air-sea environment. As capabilities are developed, they will be tested in concert with Tomahawk operational and developmental (OT/DT) tests to eliminate deficiencies and significant weather-related sensitivities encountered during Operation Desert Storm. A NITES system is being moved from a carrier to Point Mugu to support these development efforts. Some of the emerging concepts have been successfully implemented in support of Tomahawk OTLS on the Sea Range, wherein satellite display techniques have been used to move and locate submarines and surface launch ships to favorable areas in order to meet GO/NO-GO criteria. These applications save the Sea Range approximately \$.5 million per year. Similar environmental support capabilities are leveraged for SLAM and many other major programs. Interfacing and testing TESS, NITES and Tactical Air Mission Planning System (TAMPS), connectivity is also underway.

### Air and Sea Environment

The importance and uniqueness of the NAWCWPNS Point Mugu air-sea environment is also demonstrated by the role that it has played in supporting the Joint Target Signatures Program (TSP). To provide a basis for making recommendations to Congress on potential investments and tradeoffs between radio frequency (RF) and electro-optical (EO) sensors, the TSP and EOMET programs conducted a nationwide site survey to locate an atmospheric transmission facility where sensor and weapons performance could be closely monitored in a marine environment over operationally-required, over-water path lengths, at the same time that the environment itself is monitored. San Nicolas Island in Point Mugu's Sea Range was selected as the best site in the nation because of its location within the air stream, its facilities, its weapons-oriented mission, its airfield, its control and security aspects, and the technical expertise that could be brought to bear on the problem. San Nicolas Island played host to Army, Navy, Air Force and laboratory/university personnel during a series of test which included scientific measurements coincident with flybys of operational aircraft, passing ships, and multi-spectral sensors in a varying marine atmosphere. The resulting data collected at the Marine Environment Test Range (METR) on the northern end of the island formed the basis of the Navy's Aerosol Model which was incorporated into the Air Force's LOWTRAN Code to predict EO sensor performance for DOD systems. One of the significant inputs for EO assessments is an "air mass" parameter that describes the continental or marine nature of air masses and greatly impacts the attenuation of propagated energy. NAWCWPNS Point Mugu is engaged in a Navy-sponsored RDT&E effort to develop and test a more practical approach to the air mass specification than is currently used operationally.

### San Nicolas Island

The unique placement and facilities of San Nicolas Island also led to consideration of its use for directed energy studies should future versions of the technology mature. A variety of classified programs were also brought to the region to take advantage of the operationally-realistic air and sea conditions characteristic of the area. In further recognition of its unique location in a clean, marine environment most of the time, California Institute of Technology, under the auspices of the state of California and in a cooperative effort with the Navy, used San Nicolas Island for background pollution measurements to serve as the benchmark for unpolluted Pacific air reaching the mainland. This data was used for comparisons with air in the Los Angeles Basin, and for establishing air quality standards.

**Laguna Peak**

An unsurpassable geographic and climatological asset is Laguna Peak, a 1500 foot instrumented mountain peak on the perimeter of Point Mugu that provides realistic air-to-surface paths for testing EO sensors under very controlled conditions. A variety of targets including aircraft, runways, ships at sea, islands, buildings, tanks and various wet and dry vegetation cover can be looked at by actual weapon seekers (e.g., SLAM) in a variety of backgrounds that include sun, moon, day and night scintillation, wave clutter, dust and sand, hazes, clear, cloudy and stormy conditions, etc. Data collected will provide a unique set of scenes and target contrasts in a coastal environment for those conditions where data is at present totally lacking, or is unreliable. Weather and scene backgrounds can be selected at will, "pick and choose", by operating the mountain-top ground site only when criteria are met, thus eliminating the need for costly and logistically complicated airborne platforms. The Joint Test Director for the Smart Weapons Operability Enhancement (SWOE) Program has expressed interest in the utilization of this capability and sponsored an initial measurement effort in FY93 to address the void in coastal data. The effort consisted of a set of multi-spectral IR measurements and a set of simultaneous meteorological measurements near the source and target to demonstrate the feasibility of the approach.

**FAA Corridors (Five)**

While there are five FAA corridors that cross the Sea Range from west to east, only two must remain open at any one time. Since the scheduling of these corridors is performed under a joint agreement with the FAA, the range has a significant amount of flexibility in planning and conducting operations.

In summary, Point Mugu's ocean, islands, mountains, weather, air and sea space make it a national treasure for its capacity, representativeness to worldwide operational conditions, and overall operational realism in the test and evaluation of the nation's weapon systems. Because of this representativeness, Point Mugu has been assigned tasks to develop practical procedures for exploiting or predicting these conditions for both the range and the Fleet.

**3.1.2 Licenses and Permits:** Describe and list the licenses or permits (e.g., environmental, safety, etc.) that your activity currently holds and justify why they are required to allow tests, experiments, or other special capabilities at your location for each CSF. For example, permit to store and use high explosives. (BRAC Criteria I)

Permit/License Type	Description*	Why Required	CSF Impact
Environmental	1. Air Emissions permits: (8) Point Mugu (2) San Nicolas Island (3) Santa Cruz Island	See narrative below.	Air Vehicles, Fixed, Avionics Air Vehicles, Rotary, Avionics Weapons, Conventional Weapons, Cruise Weapons, Bombs Weapons, Guns & Ammunition C4I, Fixed, Ground Based C4I, Ground Based, Mobile
Environmental	2. Water Discharge permits: (2) Point Mugu (2) San Nicolas Island	See narrative below.	Air Vehicles, Fixed, Avionics Air Vehicles, Rotary, Avionics Weapons, Conventional Weapons, Cruise Weapons, Bombs Weapons, Guns & Ammunition C4I, Fixed, Ground Based C4I, Ground Based, Mobile
Environmental	3. Underground Storage Tank permits: (18)	See narrative below.	Air Vehicles, Fixed, Avionics Air Vehicles, Rotary, Avionics Weapons, Conventional Weapons, Cruise Weapons, Bombs Weapons, Guns & Ammunition C4I, Fixed, Ground Based C4I, Ground Based, Mobile

TABLE (Cont'd.)

Permit/License Type	Description*	Why Required	CSF Impact
Environmental	4. Solid Waste Landfill permits: (1) San Nicolas Island	See narrative below.	Air Vehicles, Fixed, Avionics Air Vehicles, Rotary, Avionics Weapons, Conventional Weapons, Cruise Weapons, Bombs Weapons, Guns & Ammunition C4I, Fixed, Ground Based C4I, Ground Based, Mobile
Environmental	5 Water Supply permits: (1) Point Mugu (1) San Nicolas Island (1) Santa Cruz Island	See narrative below.	Air Vehicles, Fixed, Avionics Air Vehicles, Rotary, Avionics Weapons, Conventional Weapons, Cruise Weapons, Bombs Weapons, Guns & Ammunition C4I, Fixed, Ground Based C4I, Ground Based, Mobile
Environmental	6 Industrial Storm Water Discharge permits: (1) Point Mugu (1) San Nicolas Island	See narrative below.	Air Vehicles, Fixed, Avionics Air Vehicles, Rotary, Avionics Weapons, Conventional Weapons, Cruise Weapons, Bombs Weapons, Guns & Ammunition C4I, Fixed, Ground Based C4I, Ground Based, Mobile
Environmental	1 Airfield Safety Waivers: (12) permanent waivers. Covering various buildings, radar and shore protection walls.	Structures and buildings within the clear zone and also penetrate the height restriction criteria.	Air Vehicles, Fixed, Avionics Air Vehicles, Rotary, Avionics Weapons, Conventional Weapons, Cruise Weapons, Bombs Weapons, Guns & Ammunition C4I, Fixed, Ground Based C4I, Ground Based, Mobile

\* Included in the description are waivers. Detailed lists of specific licenses, permits, and waivers can be provided on request. BRAC 93, Call #3 can also be reference for detailed data.

Air Emissions. The Point Mugu complex and the outlying landing facility on San Nicolas Island are under the air quality jurisdiction of the Ventura County Air Pollution Control District (VCAPCD). Santa Cruz Island, which supports Point Mugu for range functions, is regulated for air quality by the Santa Barbara County Air Pollution Control District (SBCAPCD).

Ventura County exceeds both the state and federal air quality standards for ozone and the state standard for fine particulate matter (PM10). Therefore, the area is subject to stringent air pollution control measures enforced as VCAPCD rules. Similar measures, though not as stringent as those of the VCAPCD, are in place for the SBCAPCD-controlled area.

Air quality permit programs exist in both SBCAPCD- and VCAPCD-controlled areas. The permit program gives permitted facilities the right to operate equipment which emits regulated pollutants. The pollutants currently regulated are the criteria pollutants; namely, reactive organic compounds, nitrogen oxides, sulfur oxides, carbon monoxide, and PM10. Certain solvents, such as 1,1,1-trichloroethane, methylene chloride, perchloroethylene, and various freons are also included on permits although these are not considered reactive organic compounds.

Each permit provides a pollution limit in tons per year and pounds per hour for each regulated pollutant. Additionally, through input and/or usage limits are also stated on the permit. Examples of other permit conditions are limit on power generated or amount of solid waste incinerated. The permittee is given the opportunity to review the permit conditions, to negotiate changes, or to appeal to the Hearing Board (third party) for a change in permit conditions. Usually, permit conditions are based on data provided by the permittee. Therefore, a carefully prepared application should not have any permit conditions that a permittee would find difficult to comply with. However, record-keeping requirements for ensuring compliance with permit conditions are both difficult and time-consuming, particularly for untrained personnel.

The permit program in both Ventura and Santa Barbara counties is further impacted by the California Clean Air Act of 1988 which requires a permitting program designed to mitigate emission increases from new or modified permitted sources. This translates to installing Best Available Control Technology (BACT) and obtaining emission offsets if new emissions sources are to operate or an existing source is to be modified. BACT is negotiable for remote sources or for sources that have relatively small emissions. Emission offsets can be purchased through the market or obtained by reducing existing permitted sources throughout. These requirements do not unnecessarily limit or preclude growth in programs and projects.

Water Discharge Permits. The Point Mugu complex and the Outlying Landing Field on San Nicolas Island are under the jurisdiction of the Los Angeles Regional Water Quality Control Board (RWQCB). The RWQCB implements the permitting program (National Pollutant Discharge Elimination System (NPDES)) which is required under the Federal Clean Water Act. As a requirement of the Clean Water Act and the California Water Code Chapter 5.5, NAWS, Point Mugu has two NPDES permits for water treatment discharges located at each site.

As a requirement of the California Water Code, NAWS, Point Mugu has one Waste Discharge Permit for the discharge of treated sewage located at San Nicolas Island. The Waste Discharge Permit is issued by the RWQCB.

NAWS, Point Mugu, has one waste water permit which the local sewer authority. The local sewer authority issues waste water permits to comply with their NPDES permit. Pretreatment standards are established in the permit as a requirement of 40 CFR 414.65 and the local city code.

Underground Storage Tanks and Solid Waste Landfill Permits. Permits for 18 underground fuel storage tanks. The uses of the tanks are motor gasoline (8), standby generators (8), and furnaces (2). The permits are not required to allow tests, experiments, or other special capabilities at our location.

Permit for a closed landfill on San Nicolas Island. The permit is not required to allow tests, experiments, or other special capabilities at our location.

Water Supply. The California Department of Health Services, Office of Drinking Water has authority from the U.S. Environmental Protection Agency to implement requirements of the Safe Drinking Water Act/ The

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ACTIVITY UIC: 63126

California Department of Health Services, Office of Drinking Water has issued three water supply permits to implement the requirements of the Federal Safe Drinking Water Act and the California Domestic Water Regulations (Title 22).

Industrial Storm Water. The Point Mugu complex and the Outlying Landing Field on San Nicolas Island are under the jurisdiction of the Los Angeles Regional Water Quality Control Board (RWQCB). The RWQCB implements the permitting program (National Pollutant Discharge Elimination System (NPDES)) which is required under the Federal Clean Water Act. General Industrial Storm Water NPDES permits were issued for Point Mugu and San Nicolas since these locations fall under the storm water permitting criteria. Storm water run off is discharged from both locations where industrial operations are conducted.

**3.1.3 Environmental Constraints:** *Describe and list the environmental or land use constraints present at your activity which limit or restrict your current scope for each CSF, i.e., would not allow increased "volume" or "spectrum" for the CSF. Example -- Volume: frequency of a type of experiment. Example—Spectrum: Current permit to detonate high explosives will not allow detonation or storage of increased quantity of explosives without legal waiver (state law) or relocation of surrounding (non-govt) buildings. (BRAC Criteria II)*

The following Environmental Constraints pertain to the the CSFs for:

- Air Vehicle, Fixed, Avionics
- Air Vehicle, Rotary, Avionics
- Weapons, Conventional
- Weapons, Cruise
- Weapons, Guns and Ammunition
- Weapons, Bombs
- C4I, Fixed, Ground-based
- C4I, Ground-based, Mobile

Due to careful, continuous monitoring by the Environmental organization at NAWCWPNS, Point Mugu, CA, the following potential environmental constraints would have a minimum effect on the future expansion of work:

**Installation Restoration Constraints.** There are 11 restoration sites for the main base at Point Mugu covering a total of 1,390.82 acres. San Nicolas Island has 5 restoration sites covering a total of 11.02 acres in addition to some ravine areas. In general, no construction is allowed at restoration sites. However, much of the land designated as restoration sites is not considered to be buildable for other reasons such as proximity to the flight line, locations in wetlands, and areas with steep terrain. The goal of the restoration program is to cleanup the sites if necessary and return the land back for general use. Installation restoration/FS fieldwork for the main base was completed February 1994 and SI work for SNI was completed April 1993. Sites recommended for no further action or interim removal/remedial action account for 15 of the 16 sites listed for Point Mugu. Pending regulatory approval of these recommendations, these sites could be removed from the restoration program at an accelerated rate. This would free up the sites for future use.

**Air Emissions.** One area that does have constraints on certain aspects of mission requirements is air emissions permits. These constraints are based on the quantity and toxicity of the emissions. Conditions to receive these permits may include emission mitigation measures, which include emission offsets, purchase of emission credits, and utilization of BACT. The tempo and scope of operations at Point Mugu has not been limited by air emission requirements. A future increase in scope of operations is possible provided the resultant air emissions are mitigated.

Point Mugu is located in an area designated as non-attainment for the national Ambient Air Quality Standards for ozone and fine particulate matter. These designations impose requirements for emission reductions and attainment-planning on a regional scale. Point Mugu's environmental staff actively participates with local and state regulators in their attainment planning efforts through working groups and the public review process. As a result of these efforts, Point Mugu enjoys a solid reputation and productive relationship with local, state, and federal air quality regulators.

**Natural and Cultural Resources.** The entire Point Mugu complex is committed to the protection and conservation of our natural and cultural resources as we implement our mission. We have developed and implemented an extremely strong program with established guidelines that will protect our sensitive resources, while allowing the base to conduct operations and avoid or mitigate adverse impacts on protected resources. Our environmental staff works closely with project

Wetlands. Approximately one-half of the main base at Point Mugu consists of salt marsh and lagoon habitat. This is a functional wetland that is extremely important due to its relatively pristine nature, the tremendous value to local flora and fauna, and the fact that it is one of the last remaining functional salt marshes in southern California. The environmental staff works closely with regulatory agencies, environmental groups and project managers to ensure protection of this vital ecosystem, while still allowing full accomplishment of mission requirements. Space is available at the main base for development. However, offsets will be required if future mission requirements involve peripheral marsh areas.

Endangered Species.

Point Mugu. Six endangered species occupy beach and wetland habitats. Although close coordination with U.S. Fish and Wildlife Service, project managers, and environmental staff is required for many new projects, there are few restrictions imposed upon all current activities, or future activities of a similar nature.

San Nicolas Island. Three species found on the island are listed by the federal Endangered Species Act, several more are currently proposed to be added to that list, and several species are on the California list. These species inhabit rugged cliff areas, undeveloped beaches, or are generally widespread throughout the island (e.g., peregrine falcons when present). There are no restrictions from future development in current operational areas due to endangered species conflicts.

Marine Mammals.

Point Mugu. A colony of approximately 100 harbor seals live near the mouth of the lagoon in the southeastern portion of the base complex. This colony is unique in Southern California, in that it is a totally resident population that breeds, bears young, and resides within a populous area. The Marine Mammal Protection Act requires that marine mammals be protected from harassment or disturbance. The colony occupies an area outside of the operational support function and also outside normal flight paths. Therefore, it is unlikely that future activities would be constrained by marine mammal issues.

San Nicolas Island. The island is noted as a unique habitat for thousands of marine mammals. Outside of San Miguel Island, San Nicolas harbors the widest and most diverse assemblage of pinnipeds (seals and sea lions) within the continental U.S. (south of Alaska). More than 25,000 sea lions, 15,000 elephant seals, 1,000 harbor seals, and an occasional southern fur seal populate the western and southern beaches and shorelines of the island. Seasonal breeding periods may affect the time schedules of some operational tests that may require low overflights or beach activity, but a proposed test has never needed to be canceled due to incompatibility with marine mammals. The environmental staff can usually site operations away from rookery areas so that schedules and flight scenarios do not affect marine mammals.

Migratory Birds.

Point Mugu. Mugu Lagoon provides food and shelter seasonally to tens of thousands of migratory shore birds and waterfowl. The lagoon also is essential habitat for several endangered birds which breed there. There are few current issues involving migratory birds and operations from the main base installation. Future development will not adversely impact these species provided the lagoon habitat is protected.

San Nicolas Island. The island is a critical rookery area for Brandt's cormorants and western gulls. Both rookeries occur in the extreme western portion of the island. Human ingress into the areas are controlled, and operational testing is sited away from these sites or at times when the sites are not

managers so resource issues are considered early in the planning process. This process minimizes the constraints imposed on mission requirements. Issues which require the most careful review are archaeological resources, wetlands, endangered species, marine mammals and migratory birds.

Archaeological Resources.

Point Mugu. There are several identified archaeological sites at Point Mugu, but they are not within areas which would constrain future increases in mission function.

San Nicolas Island. There are over 500 archaeological sites that have been identified on the island. The environmental staff has an extremely strong program in archaeological investigation, and project siting has not been a problem due to coordinated efforts between project managers and environmental staff. Archaeological resources should not pose a problem for substantial growth in mission requirements on San Nicolas Island, provided there is minor flexibility in siting requirements.

biologically active. Some tests have been sited in other areas of the island, especially launch operations, but testing on the island has never needed to be canceled due to migratory bird concerns. A large increase in future operations may require alternate siting within the island, or must follow schedules when bird areas are not active. However, with close coordination among the regulatory agencies, the environmental staff, and program managers, there should be no insurmountable constraints.

**3.1.4 Special Support Infrastructure:** List and describe the importance of any mission related special support infrastructure (e.g. utilities) present at your location for your activity. (BRAC Criteria I)

	AIRSPACE	SEA RANGE	ELECTRICAL	POTABLE WATER	SEWAGE TREATMENT	POLICE, FIRE, EMERGENCY	COMMUNICATION	MEDICAL & DENTAL
AIR VEHICLES, FIXED WING, Avionics	XX	XX	X	X	X	X	X	X
AIR VEHICLES, ROTARY WING, Avionics	XX	XX	X	X	X	X	X	X
WEAPONS, CONV'L MISSILES/ROCKETS	XX	XX	X	X	X	X	X	X
WEAPONS, CRUISE MISSILES	XX	XX	X	X	X	X	X	X
WEAPONS, BOMBS	XX	XX	X	X	X	X	X	X
WEAPONS, GUNS and AMMUNITION	XX	XX	X	X	X	X	X	X
C4I, FIXED, GROUND BASED	XX	XX	X	X	X	X	X	X
C4I, GROUND BASED, MOBILE	XX	XX	X	X	X	X	X	X
X = These infrastructure features are necessary to support this CSF.								
XX = These infrastructure features are uniquely suited to enable this CSF to be performed specifically at the Point Mugu site.								

### Summary

Electric power, water, sewage processing, and gas supplies that are provided by external agencies can be increased to a practically unlimited supply. The existing plant and distribution infrastructure at main base at Point Mugu is not only capable of handling the current demand but has sufficient reserves to handle expansion of mission. At least a ten-fold base expansion can be accommodated with the current utility supply or processing capability. Future expansion and growth within the Station can be accommodated without large expenditures of funds on the utility infrastructure.

**Electrical.** Electrical services have been provided to Point Mugu by Southern California Edison (SCE) at 16,500 volts. During FY94, SCE will be converting to a 66,000-volt transmission service. This new service will reduce SCE's operating costs and will provide a million dollar savings to the Navy each year.

SCE's capacity is presently greater than 125% of existing demand. In order to meet expansion of mission at Point Mugu, SCE would be able to deliver that excess capacity to Point Mugu. Currently SCE has an excess capacity of 4,500,000 kW while Point Mugu has a peak demand of only 13,000 kW.

**Natural Gas.** Natural gas is provided to the Station through contract with The Gas Company for housing core services and transportation of gas purchased through Defense Fuel Supply Center

(DFSC) for commercial use. The gas distribution systems to and throughout Point Mugu have sufficient capacity to accept additional growth with minimum expenditures. All gas mains and distribution lines at Point Mugu are owned by the Navy. The Gas Company would be able to provide transmission in excess of 260,000 CFH. Point Mugu's existing peak demand is only 26,000 CFH.

Potable Water. Potable water is furnished to Point Mugu from United Water Conservation District (United) via a 14" pipeline. The contract includes no limits on delivery rates. United can provide three times the existing peak demand via their existing infrastructure. Additionally, six wells at Point Mugu can provide potable water for mixing and emergency services. Point Mugu will also be receiving additional state water supplies through a subregional project. The existing water distribution system is in good condition with capacity available to accept additional water consumption and growth.

Sewage Treatment. The sanitary sewer system collects and treats the wastewater which is generated by the facilities at main base and three integral housing areas. Approximately 100,000 linear feet of gravity sewer lines, 30 lift stations and appurtenant force mains comprise the system. The effluent receives pre-treatment in two Imhoff tanks, then transfers to four stepped oxidation ponds. The "clear" effluent is then transferred to the Oxnard Wastewater Treatment Plant via a 12" PVC force main for final processing. Final processing is very inexpensive due to the pre-treatment provided at Point Mugu. The existing system processes a normal load of 260,000 GPD and is capable of processing 12 times the existing daily processed amount.

Police and Fire Protection. The Point Mugu site provides support to local, state, and federal law enforcement agencies where joint investigations are required. In addition, the Point Mugu site provides training facilities for local, state and federal agencies on an as-needed basis. The site also maintains a military working dog division in support of explosive and narcotic detection for local military as well as other government agencies upon request. The site provides local law enforcement agencies with range master/range safety officers for the Small Bore pistol range. We also provide ordnance storage services for the FBI.

Point Mugu participates in a "mutual aid" agreement with the City of Oxnard as well as the Ventura County Fire Protection services. Point Mugu participates as the front line response for the portion of the city and county adjacent to the base.

San Nicolas Island Electrical. The island provides its own power generation with five engine-generators. The combined capacity of the units is 3,500 kW. Current peak demand is only 1,050 kW. Additionally, demand-side management could be provided (changing pump operating schedules, etc. to non-peak times) to increase the capacity to well over three times existing demand.

San Nicolas Island Potable Water. Potable water is a mixed blend of water produced from the Reverse Osmosis Plant, wells, and various natural springs. There are numerous pumping stations and storage tanks throughout the island. The potable water generated supports the island population, operations, and activities performed on the island. Full operation of both the fresh water system and salt water reverse osmosis plant more than doubles the normal steady state load.

San Nicolas Island Sewage Treatment. The wastewater generated by the various facilities on San Nicolas Island is either collected by a sanitary sewer system and treated at the wastewater treatment facility or disposed of by using septic tanks and leach fields. Approximately 4,700 linear feet of gravity sewer lines, appurtenant manholes, and three settling ponds comprise the collection system. The operation and function of the wastewater handling, conveying and treatment/disposal facilities are satisfactory, and the quality of the treated wastewater meets the criteria in force for spray

disposal. The system is in good physical and operating condition and is capable of processing 10 times the 9,500 GPD normally processed.

3.1.5. Proximity to Mission-Related Organizations: List and describe the importance and impact of not having nearby organizations which facilitate accomplishing or performing your mission -- e.g. operational units, FFRDCs, universities/colleges, other government organizations, and commercial activities. Restrict your response to the top five. Complete the following: (BRAC Criteria I)

NAWCWPNS Point Mugu is located in a complex of military activities in the western United States, all of which are important to the NAWCWPNS mission. The Naval Strike Warfare Center, Fallon, Nevada; NAWCWPNS, China Lake; NAS Lemoore; the Naval Surface Warfare Center (NSWC), Port Hueneme; the Fleet operating base at San Diego; MCAS, Yuma, Arizona; Edwards AFB; and Nellis AFB, Nevada form the complex. Regular interactions and interchanges take place with all these organizations. In addition, the proximity to the complex of aerospace industries, colleges, and universities in the Los Angeles, Phoenix, and Tucson areas facilitates coordination and cooperative efforts with industry and academia.

The NAWCWPNS Training Center brings technical and business classes to Point Mugu from several universities. This makes it possible to obtain both BS and MS degrees on site. In addition, a fellowship program sponsors 8 to 10 personnel each year to attend on-campus advanced degree programs at universities.

On site degree programs are offered by the University of Southern California, the University of Southern Illinois, and the University of LaVerne, California. Nearby major universities offering four-year technical programs and graduate programs include the University of California at Los Angeles, the University of California at Santa Barbara, California State University at Northridge, and Pepperdine University as shown on the map of Southern California in Figure 3, below.

Colleges and universities which offer courses or degree/external degree programs at regional campus facilities or educational centers within 30 miles of NAWCWPNS Point Mugu include:

Institution:	Location:
California Lutheran	Oxnard
California Lutheran	Thousand Oaks
California State University at Northridge	C.A.T.E. Newbury Park
California State University at Northridge	Ventura Campus
Oxnard College	Oxnard
Pepperdine University	Malibu
University of California at Santa Barbara	Ventura Center
University of Southern California	C.A.T.E. Newbury Park
University of LaVerne	Ventura Center
Ventura College	Ventura
West Coast University	Ventura

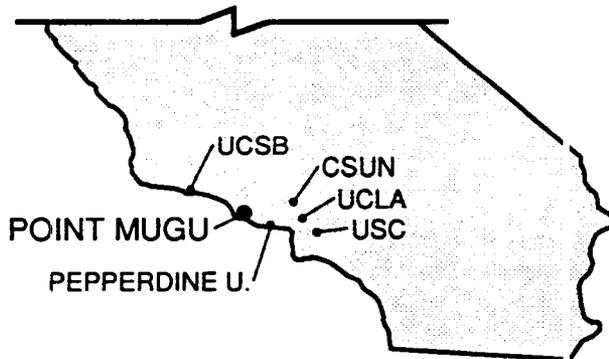


FIGURE 3. Major Universities Near Point Mugu.

The following table indicates the five (5) highest-priority relationships with other organizations that interact continuously with NAWCWPNS, Point Mugu so that it can perform its mission and provide support for the following CSFs:

AIR VEHICLES, FIXED WING, AVIONICS  
 AIR VEHICLES, ROTARY WING, AVIONICS  
 WEAPONS, CONVENTIONAL MISSILES/ROCKETS  
 WEAPONS, CRUISE MISSILES  
 WEAPONS, BOMBS  
 WEAPONS, GUNS and AMMUNITION  
 C4I, FIXED, GROUND BASED  
 C4I, GROUND-BASED, MOBILE

Name	Type of Organization	Distance	Workyears Performed by Your Activity	Workyears Funded by Your Activity
Edwards AFB	USAF Flight Test Center	80 mi NE	As required by program sponsors	As required by program sponsors
NAWCWPNS China Lake	Navy RDT&E center, land test range complex	150 mi NE	N/A; part of NAWCWPNS organization	N/A; part of NAWCWPNS organization
WTR Vandenberg	USAF T&E Center	110 mi NW	As required by program sponsors	As required by program sponsors
NSWC Port Hueneme	Navy in-service eng. activity for surface-launched missiles	5 mi NW	As required by program sponsors	As required by program sponsors
NAS Miramar	Tactics and training	150 mi SE	As required by program sponsors	As required by program sponsors

Figure 4 shows the geographical relationship of NAWCWPNS Point Mugu to other major military installations and urban areas.

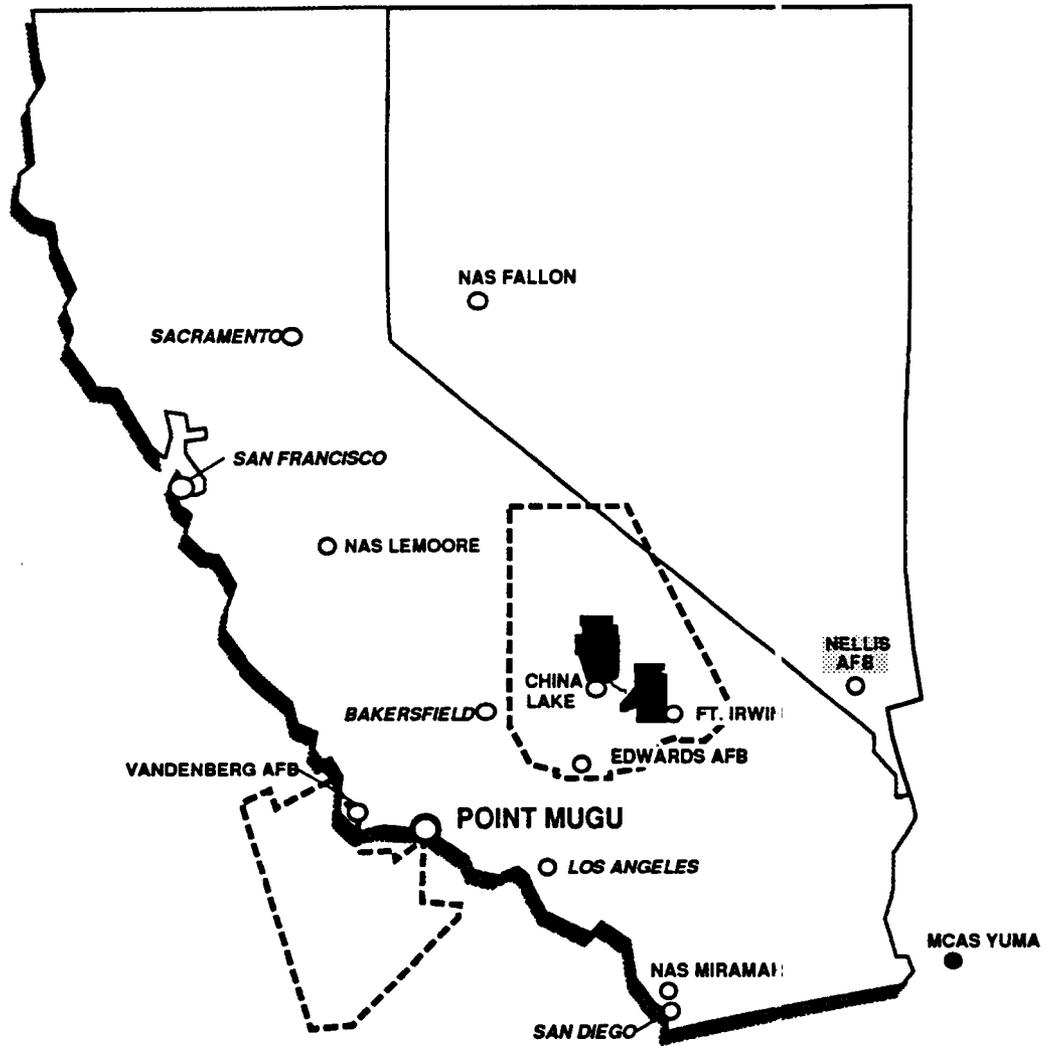


FIGURE 4. Point Mugu's Proximity to Other Military Installations and Urban Areas.

**3.2 Personnel:**

**3.2.1 Total Personnel:** *What is the total number of government (military and civilian), on-site federally funded research and development center (FFRDC), and on-site system engineering technical assistance (SETA) personnel engaged in science and technology (S&T), engineering development and in-service engineering activities as of end FY93? For individuals that predominantly work in CSFs, involved in more than one CSF, account for those individuals in the CSF that represents the preponderance of their effort. (BRAC Criteria I)*

NAWCWPNS operates as an integrated military/civilian/contractor team, as can be seen from the following table. Also, as can be seen, approximately 60% of the total technical work force at the Point Mugu site is contractor. There is no collocated FFRDC.

The data below for civilians are from the Personnel Data Access System (PDAS) database, which originates as a download from the Defense Civilian Personnel Data System (DCPDS) and is end of FY93. Civilians are Full Time Permanent. On-Site SETA data include part-time.

Military data are from on-board-counts as of 30 September 1993. Navy Chiefs and above were designated "Management(Supv)."

The SETA data were provided by the respective contractors. The "Technical" category includes part-time and consultant personnel, in addition to Full Time Permanent. Subcontractor personnel are included in the "Technical" category but not in "Management" or "Other."

**CSF: AIR VEHICLES, FIXED WING, AVIONICS**

Types of personnel	Number Of Personnel			
	Government		On-Site FFRDC	On-Site SETA
	Civilian	Military		
Technical	387	17	0	488
Management (Supv)	61	3	0	38
Other	69	6	0	38

**CSF: AIR VEHICLES, ROTARY WING, AVIONICS**

Types of personnel	Number Of Personnel			
	Government		On-Site FFRDC	On-Site SETA
	Civilian	Military		
Technical	6	1	0	5
Management (Supv)	1	0	0	0
Other	1	0	0	0

**CSF: WEAPONS, CONVENTIONAL MISSILES/ROCKETS**

Types of personnel	Number Of Personnel			
	Government		On-Site FFRDC	On-Site SETA
	Civilian	Military		
Technical	177	4	0	351
Management (Supv)	38	0	0	4
Other	163	0	0	4

**CSF: WEAPONS, CRUISE MISSILES**

Types of personnel	Number Of Personnel			
	Government		On-Site FFRDC	On-Site SETA
	Civilian	Military		
Technical	9	0	0	18
Management (Supv)	2	0	0	0
Other	8	0	0	0

**CSF: WEAPONS, BOMBS**

Types of personnel	Number Of Personnel			
	Government		On-Site FFRDC	On-Site SETA
	Civilian	Military		
Technical	26	1	0	50
Management (Supv)	5	0	0	0
Other	23	0	0	0

**CSF: WEAPONS, GUNS AND AMMUNITION**

Types of personnel	Number Of Personnel			
	Government		On-Site FFRDC	On-Site SETA
	Civilian	Military		
Technical	10	0	0	21
Management (Supv)	2	0	0	0
Other	10	0	0	0

**CSF: C4I SYSTEMS, FIXED GROUND-BASED C4I**

Types of personnel	Number Of Personnel			
	Government		On-Site FFRDC	On-Site SETA
	Civilian	Military		
Technical	14	3	0	60
Management (Supv)	2	0	0	0
Other	1	0	0	0

**CSF: C4I SYSTEMS, GROUND-BASED MOBILE C4I**

Types of personnel	Number Of Personnel			
	Government		On-Site FFRDC	On-Site SETA
	Civilian	Military		
Technical	13	3	0	41
Management (Supv)	3	1	0	0
Other	1	0	0	0

**3.2.2 Education:** *What is the number of government personnel actively engaged in S&T, engineering development and in-service engineering activities by highest degree and type of position? Provide the data in the following table: (BRAC Criteria I)*

Point Mugu is one of three NAWCWPNS sites that operate under the Demonstration Project. Under Title VI of the Civil Service Reform Act (CSRA) of 1978, and as confirmed by the National Performance Review, there are provisions for Federal agencies to conduct personnel management demonstration projects. Such projects permit the removal of unnecessary constraints and changes to personnel regulations to increase effectiveness and efficiency in the workforce. The first project approved was the Department of Navy's Personnel Demonstration Project initiated in July 1980 at the then-Naval Weapons Center, China Lake, and Naval Ocean Systems Center, San Diego. This system is a revised personnel management system providing simplified position classification, performance-linked pay, and performance-based retention.

In addition to Point Mugu and China Lake, the Demonstration Project is the operating civilian personnel system at the White Sands site. The system at the three sites currently covers all non-bargaining unit employees at these three sites. A general description of the Project and an evaluation of its results are summarized below.

This Project allows line-management control of major personnel-related decisions, such as recruitment, compensation, performance appraisal, and rewards, which have important effects upon motivation and organizational effectiveness. To accomplish these changes, the Demonstration Project includes

1. A more flexible, manageable, and understandable classification system that aggregates several GS grade levels into broad pay bands
2. A performance-appraisal system that links performance goals, compensation, and organizational effectiveness
3. An expanded application of the merit pay concept for both supervisory and non-supervisory employees
4. A primary emphasis on performance as a criterion in the retention process

Evaluation of the Project, by law, is performed by an independent external evaluator, in this case the Office of Personnel Management (OPM). Factors such as recruitment success, turnover, pay and job satisfaction, line management's and the personnel function's effectiveness, and retention of high performers are used to evaluate the success of the Project. OPM has published 15 management reports on the Project pointing to its success in achieving the above objectives. The data below are from the PDAS database which originates as a download from DCPLS dated end of FY93. These tables refer only to Full Time Permanent civilian personnel.

#### CSF: AIR VEHICLES, FIXED WING, AVIONICS

Type of Degree/ Diploma	Number of Government Personnel by Type of Position		
	Technical	Management (Supv)	Other
High School or Less	55	9	89
Associates	14	3	18
Bachelor	215	27	17
Masters	48	17	3
Doctorate (include Med/Vet/etc.)	4	0	0

**CSF: AIR VEHICLES, ROTARY WING, AVIONICS**

Type of Degree/ Diploma	Number of Government Personnel by Type of Position		
	Technical	Management (Supv)	Other
High School or Less	1	0	1
Associates	0	0	0
Bachelor	3	0	0
Masters	1	0	0
Doctorate (include Med/Vet/etc.)	0	0	0

**CSF: WEAPONS, CONVENTIONAL MISSILE AND ROCKETS**

Type of Degree/ Diploma	Number of Government Personnel by Type of Position		
	Technical	Management (Supv)	Other
High School or Less	40	7	65
Associates	11	2	13
Bachelor	157	20	13
Masters	35	13	3
Doctorate (include Med/Vet/etc.)	3	0	0

**CSF: WEAPONS, CRUISE MISSILES**

Type of Degree/ Diploma	Number of Government Personnel by Type of Position		
	Technical	Management (Supv)	Other
High School or Less	2	0	3
Associates	1	0	1
Bachelor	8	1	1
Masters	2	1	0
Doctorate (include Med/Vet/etc.)	0	0	0

**CSF: WEAPONS, BOMBS**

Type of Degree/ Diploma	Number of Government Personnel by Type of Position		
	Technical	Management (Supv)	Other
High School or Less	6	1	9
Associates	2	0	2
Bachelor	22	3	2
Masters	5	2	0
Doctorate (include Med/Vet/etc.)	0	0	0

**CSF: WEAPONS, GUNS AND AMMUNITION**

Type of Degree/ Diploma	Number of Government Personnel by Type of Position		
	Technical	Management (Supv)	Other
High School or Less	2	0	4
Associates	1	0	1
Bachelor	9	1	1
Masters	2	1	0
Doctorate (include Med/Vet/etc.)	0	0	0

**CSF: C4I, FIXED GROUND BASED**

Type of Degree/ Diploma	Number of Government Personnel by Type of Position		
	Technical	Management (Supv)	Other
High School or Less	2	0	3
Associates	0	0	1
Bachelor	7	1	1
Masters	2	1	0
Doctorate (include Med/Vet/etc.)	0	0	0

**CSF: C4I, GROUND BASED MOBILE**

Type of Degree/ Diploma	Number of Government Personnel by Type of Position		
	Technical	Management (Supv)	Other
High School or Less	3	0	5
Associates	1	0	1
Bachelor	11	1	1
Masters	2	1	0
Doctorate (include Med/Vet/etc.)	0	0	0

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**3.2.3 Experience:** *What is the experience level of government personnel? Fill in the number of government personnel in the appropriate boxes of the following table. (BRAC Criteria I)*

Point Mugu's participation in the pay-for-performance Demonstration Project, coupled with broad pay-banding (replacing the normal GS/GM system), has aided in the retention of qualified technical personnel, as shown in the following table.

The data below for civilians are from the PDAS database, which originates as a download from DCPDS and is end of FY93. Civilians are Full Time Permanent.

Data in these tables refer only to civilian employees.

**NAWCWPNS, POINT MUGU, ALL CSFs**

Type of Position	Years of Government and/or Military Service				
	Less than 3 years	3-10 years	11-15 years	16-20 years	More than 20 years
Technical	1	327	123	58	168
Management (Supv)	0	6	21	12	77
<b>Total</b>	<b>1</b>	<b>333</b>	<b>144</b>	<b>70</b>	<b>245</b>

**CSF: AIR VEHICLES, FIXED WING, AVIONICS**

Type of Position	Years of Government and/or Military Service				
	Less than 3 years	3-10 years	11-15 years	16-20 years	More than 20 years
Technical	1	164	62	29	84
Management (Supv)	0	3	11	6	39
<b>Total</b>	<b>1</b>	<b>167</b>	<b>73</b>	<b>35</b>	<b>123</b>

**CSF: AIR VEHICLES, ROTARY WING, AVIONICS**

Type of Position	Years of Government and/or Military Service				
	Less than 3 years	3-10 years	11-15 years	16-20 years	More than 20 years
Technical	0	3	1	0	1
Management (Supv)	0	0	0	0	1
<b>Total</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>2</b>

**CSF: WEAPONS, CONVENTIONAL MISSILE AND ROCKETS**

Type of Position	Years of Government and/or Military Service				
	Less than 3 years	3-10 years	11-15 years	16-20 years	More than 20 years
Technical	0	116	44	22	60
Management (Supv)	0	2	7	4	27
Total	0	118	51	26	87

**CSF: WEAPONS, CRUISE MISSILES**

Type of Position	Years of Government and/or Military Service				
	Less than 3 years	3-10 years	11-15 years	16-20 years	More than 20 years
Technical	0	6	2	1	3
Management (Supv)	0	0	0	0	1
Total	0	6	2	1	4

**CSF: WEAPONS, BOMBS**

Type of Position	Years of Government and/or Military Service				
	Less than 3 years	3-10 years	11-15 years	16-20 years	More than 20 years
Technical	0	17	6	3	9
Management (Supv)	0	0	1	1	4
Total	0	17	7	4	13

**CSF: WEAPONS, GUNS AND AMMUNITION**

Type of Position	Years of Government and/or Military Service				
	Less than 3 years	3-10 years	11-15 years	16-20 years	More than 20 years
Technical	0	7	3	1	3
Management (Supv)	0	0	0	0	2
Total	0	7	3	1	5

**CSF: C4I, FIXED GROUND BASED**

Type of Position	Years of Government and/or Military Service				
	Less than 3 years	3-10 years	11-15 years	16-20 years	More than 20 years
Technical	0	6	2	1	3
Management (Supv)	0	0	0	0	1
Total	0	6	2	1	4

**CSF: C4I, GROUND BASED MOBILE**

Type of Position	Years of Government and/or Military Service				
	Less than 3 years	3-10 years	11-15 years	16-20 years	More than 20 years
Technical	0	9	4	2	5
Management (Supv)	0	0	1	0	2
Total	0	9	5	2	7

**3.2.4 Accomplishments During FY91-93:** *For government personnel answer the following questions.*

Important Accomplishments by Point Mugu Personnel Since FY91. Decision aid concepts and advanced software and documentation were developed for cruise missile applications. For the Tomahawk Land-Attack Missile (TLAM), a Time-On-Target Wind and Temperature Compensation Module (TOTWIN) was developed to provide an automated, accurate and displayable method of incorporating realistic wind and temperature variations along a missile flight path to calculate the incremental and cumulative impact on time-on-target for use in TLAM-TACAIR coordinated strikes.

This module will become part of the TESS(3) and will reside in a modified form also in the NITES which is part of the tactical Joint Maritime (JMCIS) architecture. In addition, TOTWIN may also be incorporated into the operational Tomahawk MDS which will give the Navy an afloat mission planning capability in which real-time weather inputs are essential.

Also developed since FY91 is another module for the Tomahawk Anti-Ship Missile (TASM) which allows for the calculation and inclusion of more realistic wind conditions to provide an improved wind input into the fire control system (Tomahawk Weapon Control System (TWCS)) to get the missile to the intended missile search point. The module called Tomahawk Effective Wind (TEFWIN) has been prototyped and is being converted under a SPAWAR advanced development effort into 'C' language. Like TOTWIN, TEFWIN is also planned for integration into TESS(3) and NITES, and potentially into strike/mission planning systems.

Separate versions of these modules are being planned in concert with the JSOW Class Desk to provide an environmental support structure for JSOW when developed and fielded.

In addition, concepts have been developed for computing the effects of rain on the attenuation of energy from the TASM seeker, and these are being developed to integrate a short-term 6- to 24-hour prediction capability using satellite data for strike planning.

Tailoring of products and concepts for the Tactical Aircraft Missile Planning Systems (TAMPS) Program Office is also being explored with NAVAIR personnel.

In the Electromagnetic Propagation area, several significant accomplishments have been made since FY91. NAWCWPN Point Mugu techniques for using conventional weather map and satellite imagery data to infer the occurrence, height, and intensity of ducts have been refined to the point where they are now being integrated and converted into an Expert System for worldwide operational use. Based on manual techniques developed earlier by Point Mugu and implemented operationally at Pearl Harbor by the Navy Meteorology and Oceanography Command, the first "EXPERDUCT" has been developed for the Eastern Pacific Ocean using software assistance from NRL. The next EXPERDUCT will be for the Persian Gulf area, and will incorporate Point Mugu guidance on expected radar performance that was previously praised by COMSEVENTHFLT and distributed to virtually every ship in the Navy, particularly those deployed to the Northern Arabian Sea, following the attack on the U.S.S. *Stark*.

Other important accomplishments include development of numerical "Equivalent Altitude" techniques of inferring duct height from digital numerical weather prediction fields output at several levels from numerical forecast centers; refinement of another Point Mugu-automated technique of estimating duct height from satellite data over large cloud-covered ocean regions based on conversion of information on cloud top temperature. When fully implemented, this technique will estimate duct characteristics over a Battlegroup-size area using a quick interactive technique.

Also developed was a preliminary version of a 2-layer "Mixed Layer" model that gives realistic depictions of wind, marine layer depth, and coastal eddies in the Sea Range area off Point Mugu.

In the measurement area, a technique was developed to allow balloon rawinsondes to rise, detach and return to the surface, while taking two soundings, one up, one down, instead of the conventional on-the-way-up-only sounding. This technique was used during project VOCAR which incorporated planning, data analysis and many of the previously-mentioned techniques in a Navy multi-laboratory effort at Point Mugu, San Diego and San Nicolas Island. This effort was conducted to determine appropriate methods of characterizing the propagation environment and inputting data to range-dependent models. One of the basic questions to be answered is how often, and in what manner, the Navy needs to sample the atmosphere to adequately describe and predict radar performance.

Several papers have been presented and more are in preparation describing these developments to NATO AGARD (Turkey), NATO AGARD (Germany), S.P.I.E. and the IEEE IGARS (International Geoscience and Remote Sensing Symposium).

In addition, Point Mugu is participating in and serving as a principal test site for a new environmental prediction system under development to help in threat detection by NAVCENT forces.

In the EO and other spectrum areas, Point Mugu has developed the basis of an improved air mass parameter and input for the LOWTRAN model; has conducted an EO sensor test in the Point Mugu coastal environment for the Joint Test Director of the SWOE program; and is currently conducting an investigation into the measurement and application of ULF/ELF spectral signatures from the background environment and airfield operations for use in target detection and simulation.

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**3.2.4.1 Patents and Disclosures: How many patents were awarded and patent disclosures (only count disclosures with issued disclosure numbers) were made? (BRAC Criteria I)**

CSF	Total	Disclosures	Awarded	Patent Titles (List)
Air Vehicles, Fixed Wing Avionics	6	72640	Issued	An Auxiliary Target Area Chaff Container (ATACC)
		73821	Issued*	Space Shuttle Wheel Acceleration System (SSWAS)
		74033	Issued	Portable Radar Simulator (PRS)
		74738		Slave Controller with Lock Transfer Capability
		5097265	Issued	Triangular Target Boat Reflector
		5150127	Issued	Portable Radar Simulator
Air Vehicles, Rotary Wing Avionics	2	75222		RBS-70 Laser Beamriding CM Technology (Aerosol Approach)
		75222		RBS-70 Laser Beamriding CM Technology (Pebbles Approach)
Air Vehicles, Fixed Wing Avionics; Air Vehicles, Rotary Wing Avionics	2	5307505	Issued	RRT (Rapid Reprogramming Terminal)
		74535		VME Slave Controller
C4I Systems, Fixed Ground-Based C4I	4	72564	Issued	Stand Alone Multiple Unit Tracking System
		73378	Issued	Remotely Controlled C Band Signal Generator
		74319		Rebound Hammer
		75648		Global Positioning Satellite Antenna Mounting Bracket
C4I Systems, Ground-Based Mobile C4I	2	73358	Issued	Portable Automatic Radar Simulator (PARS II)
		74699		Diver Navigation System
Air Vehicles, Fixed Wing Avionics; Air Vehicles, Rotary Wing Avionics Weapons, Conventional Missiles/Rockets Weapons, Cruise Weapons, Bombs Weapons, Guns & Ammo C4I, Fixed Ground-Based C4I, Ground-Based Mobile	21	72472		Design of a Nonvolatile Memory System
		73380	Issued	Wall Outlet Lock Apparatus
		73822	Issued	Rapid Reprogramming Terminal
		74235		MS-1553 Bus Interface Utilizing A TMS320C30 Digital Signal Processor
		74900		Protocol Converter
		75124		Digital Circuit for the Introduction and Later Removal of Dither From an Analog Signal
		75204		Digital Interface Circuit
		75352		Doubling Valve Mechanism for an Acoustic Modulator
		75378		Gray Code Counter
		73336	Issued	Binary Decision Apparatus

\* Issued = Patents/Sirs/D-10/D-11 in FY91, FY92, and FY93

TABLE (Cont'd.)

CSF	Total	Disclosures	Awarded	Patent Titles (List)
(Cont'd.)		72119	Issued	Biodegradation of 2,4,6-Trinitrotoluene By White Rot Fungus
		71514	Issued	Circulation Enhancing Apparatus
		73574		Foot Cast Toe Shield - Adjustable and Removable
		74737	Issued	Universal Protective Shield for the Foot
		73481		Photonic Electromagnetic Field Sensor
		74095		Photonic Radar Receiver
		74837	Issued	Photonic Electromagnetic Field Sensor Apparatus
		74901	Issued	Photonic Electromagnetic Field Sensor
		69327	Issued	Tactical Overboard Acoustic Decoy (TOAD)
		73225	Issued	Triangular Target Boat Reflector (TTBR)
	73554	Secrecy	Optical Clutter Rejection Technique Using Anti-Coincidence Detection of Reflected Optically Augmented Laser Pulses (U)	
Weapons, Conventional Missiles/Rockets	2	68382	Issued	Low Observability Aperture Design for Expendable Countermeasures Device
		72848	Issued	Dual-Modular Launcher
Air Vehicles, Fixed Wing Avionics; Air Vehicles, Rotary Wing Avionics Weapons, Conventional Missiles/Rockets	1	73958	Issued	Method of Phased Magnitude Correlation Using Binary Sequences
<b>Total</b>		<b>40</b>	<b>22</b>	

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**3.2.4.2 Papers Published:** *How many papers were published in peer reviewed journals?*

CSF Weapons, Conventional Weapons, Cruise Weapons, Bombs Weapons, Guns & Ammunition	1	• "Radar Imaging" Published in International Journal of Imaging Systems & Technology, February 1992
C4I Systems, Fixed Ground-Based	1	• "Electronic Warfare Basics" - an Electronic Warfare course presented at the Naval Post Graduate School, Monterey, CA.
Air Vehicles, Fixed Wing, Avionics Weapons, Conventional Weapons, Cruise Weapons, Bombs Weapons, Guns & Ammunition	1	• "Minimum Time for RCS Measurements" published for the Antenna Measurements Techniques Assoc. Journal, August 1993.
<b>TOTAL</b>	<b>3</b>	

NAWC/CB Change  
CAMS NAWC-21  
9/19/94

42R  
43R

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3.2.4.2 Papers Published: How many papers were published in peer reviewed journals?

CSF		
Air Vehicles, Fixed Wing, Avionics Air Vehicles, Rotary Wing, Avionics	10	<ul style="list-style-type: none"> <li>• "Interface Control Documents - the Key to Electronic Warfare System Performance and Quality" presented at Assoc. of Old Crows Symposium, April 91</li> <li>• "Receiver Tests for Electronic Warfare and Radar Systems" Navy E3 Conference, December 1992</li> <li>• "EO/IR Modeling of a Generic Aircraft" presented at the SPIE Conference, April 1993.</li> <li>• "EO Multi-Spectral Data Fusion Simulation Capability Development" presented at the SPIE Conference, 12-14 April 1993.</li> <li>• "EO Multi-Spectral Data Fusion Simulation Capability Development" presented at the 38TH JEW, 3-6 May 1993.</li> <li>• "IRIAM or a Tool for NEOTAM" presented at the NATC RSG-18 Meeting, June 1993.</li> <li>• "Ozone Sensitivity Analysis using LOWTRAN 7" presented at the JANNAF EPTS Signatures Panel SPIRITS Users Meeting, 13-15 July 1993.</li> <li>• "JTAMS in Support of the Navy" presented to ADM Hood (NAVSEA 400), September 1993.</li> <li>• "Modeling Experiences at Point Mugu" presented at the EOATMUM 93', 26-28 October 1993.</li> <li>• "BRIGHTGUARD Program" presented at the Laser Hardened Materials and Structures Group Meeting on 16 November 1993.</li> </ul>
Weapons, Conventional Weapons, Cruise Weapons, Bombs Weapons, Guns & Ammunition	2	<ul style="list-style-type: none"> <li>• "Radar Imaging" Published in International Journal of Imaging Systems &amp; Technology, February 1992</li> <li>• "An RCS/Glint Target Model for X-Pol Studies in Missile Simulation, Presented at ADPA Symposium, August 1993.</li> </ul>
C4I Systems, Fixed Ground-Based	5	<ul style="list-style-type: none"> <li>• "Dual-Channel Airborne Telemetry Retransmission Unit" presented at ITC Exhibit, October 1991.</li> <li>• "Software as a Tool for Controlling EMI/EMC" presented at the IEEE '93 Symposium. (June 1991)</li> <li>• "Effect of Group Delay Variations on Bit Error Probability" presented at International Telemetry Conference (ITC), May 1993</li> <li>• "Tactical Aircraft Mission Planning System (TAMPS) (1.0)" presented at the National Simulation Conference, February 1993</li> <li>• "Electronic Warfare Basics" - an Electronic Warfare course presented at the Naval Post Graduate School, Monterey, CA.</li> </ul>
C4I Systems, Ground-Based Mobile	3	<ul style="list-style-type: none"> <li>• "TERPES (Tactical Electronic Reconnaissance Processing and Evaluation System): An Acquisition Study for the 90's" presented at 37th Joint Electronic Warfare Conference, May 1992.</li> <li>• "TERPES: An Acquisition Study in Portability" presented at AFCEA Database Colloquium, August 1992.</li> <li>• "TERPES: Joint Western-Mountain Region EW Technical Symposium, April 93</li> </ul>
Air Vehicles, Fixed Wing, Avionics Weapons, Conventional Weapons, Cruise Weapons, Bombs Weapons, Guns & Ammunition	7	<ul style="list-style-type: none"> <li>• "Aspects of Image Editing" presented at Antenna Measurement Assoc. Symposium, October 1991.</li> <li>• "Luenburg Lens Antenna with Photonic Sensors" presented at IEEE/APS Symposium, August 1992.</li> <li>• "Photonic Electromagnetic Field Sensor with a Lunenburg Lens Antenna" presented at DARPA/Rome Lab Symposium, March 1992.</li> <li>• "Applicability of Maximum Entropy Methods to RCS Analysis" presented at the Antenna Measurement Techniques Assoc. Meeting, October 1992.</li> <li>• "Surface Wave Scattering on the MQM-107D Drone Target" presented at IEEE/APS Symposium, February 1993.</li> <li>• "Scattering Characteristics of Photonic Sensor Systems" presented at IEEE/APS Symposium, March 1993.</li> <li>• "Minimum Time for RCS Measurements" published for the Antenna Measurements Techniques Assoc. Journal, August 1993.</li> </ul>
TOTAL	27	

3.3 Workload

3.3.1 FY93 Workload

3.3.1.1 Workyear and Lifecycle: Identify the number of actual workyears executed for each applicable CSF in FY93 for each of the following: government civilian; military; on-site FFRDCs; and on-site SETAs. (BRAC Criteria I)

The NAWCWPNS laboratory function at Point Mugu is spread across nine CSFs: Air Vehicles (both Fixed- and Rotary-Wing Avionics), Weapons (Conventional and Cruise Missiles, Bombs, and Guns and Ammunition), C4I (Fixed and Mobile Ground-based C4I), and Training Systems. The Aircraft Weapons Integration Department provides lifecycle support to tactical fighter aircraft, including aircraft weapons integration and tactical system software upgrades. The Information and Electronic Warfare Directorate provides R&D, development and SE support for tactical and electronic warfare avionics systems as well as C4I systems. The Weapons Systems Evaluation Directorate and the Weapons and Engineering Logistics Department provide weapons development, production support and in-service engineering.

**CSF: AIR VEHICLES, FIXED WING, AVIONICS**

"LAB"	Fiscal Year 1993 Actual			
	Civilian	Military	FFRDCs	SETA
Science & Technology	0	0	0	0
Engineering Development	302	7	0	101
In-Service Engineering	215	19	0	463

**CSF: AIR VEHICLES, ROTARY WING, AVIONICS**

"LAB"	Fiscal Year 1993 Actual			
	Civilian	Military	FFRDCs	SETA
Science & Technology	0	0	0	0
Engineering Development	4	1	0	2
In-Service Engineering	4	0	0	3

**CSF: WEAPONS, CONVENTIONAL MISSILES/ROCKETS**

"LAB"	Fiscal Year 1993 Actual			
	Civilian	Military	FFRDCs	SETA
Science & Technology	0	0	0	0
Engineering Development	6	0	0	5
In-Service Engineering	372	4	0	354

**CSF: WEAPONS, CRUISE MISSILES**

"LAB"	Fiscal Year 1993 Actual			
	Civilian	Military	FFRDC	SETA
Science & Technology	0	0	0	0
Engineering Development	6	0	0	6
In-Service Engineering	13	0	0	12

**CSF: WEAPONS, BOMBS**

"LAB"	Fiscal Year 1993 Actual			
	Civilian	Military	FFRDC	SETA
Science & Technology	0	0	0	0
Engineering Development	0	0	0	0
In-Service Engineering	54	1	0	50

**CSF: WEAPONS, GUNS AND AMMUNITION**

"LAB"	Fiscal Year 1993 Actual			
	Civilian	Military	FFRDC	SETA
Science & Technology	0	0	0	0
Engineering Development	0	0	0	0
In-Service Engineering	22	0	0	21

**CSF: C4I SYSTEMS, FIXED GROUND-BASED C4I**

"LAB"	Fiscal Year 1993 Actual			
	Civilian	Military	FFRDC	SETA
Science & Technology	0	0	0	0
Engineering Development	17	3	0	60
In-Service Engineering	0	0	0	0

## CSF: C4I SYSTEMS, GROUND-BASED MOBILE C4I

"LAB"	Fiscal Year 1993 Actual			
	Civilian	Military	FFRD	SETA
Science & Technology	0	0	0	0
Engineering Development	13	3	0	36
In-Service Engineering	4	1	0	5

**3.3.1.2 Engineering Development By ACAT:** *For each Common Support Function (e.g. airborne C4I) at each activity engaged in engineering development, provide:*

- *For each ACAT IC, ID, and II program (as defined in DODI 5000.2):*
  - *The name of the program*
  - *A brief program description*
- *For each ACAT III and IV programs:*
  - *The number of such programs*
  - *A list of program names*
- *For each program not an ACAT I, II, III, IV:*
  - *The number of such programs*
  - *A list of program names*
- *For the purpose of this question, any program between Milestone I and IV and containing demonstration and validation (Dem/Val 6.4)/Engineering and Manufacturing Development (EMD 6.5) funds in the FY95 PBS is considered to be engaged in engineering development (BRAC Criteria I).*

NAWCWPNS Point Mugu typically plays at least one of the following roles while performing development engineering tasks.

1. Following development of requirements and specifications, in-house design of the system, with contractor participation for packaging, preparing technical documentation, and preparing for competitive production by industry.
2. Following development of requirements and specifications, cooperative development of the system with a major system contractor, along with contractor participation for packaging, preparing technical documentation, and preparing for competitive production by industry.
3. Development of requirements and specifications, analysis, design evaluation, and testing of a contractor design.
4. Monitoring of a contractor design program.

For CSFs in which NAWCWPNS is actively engaged but has no ACAT-level programs, no table is given for that CSF.

## CSF: AIR VEHICLES, FIXED WING, AVIONICS

Engineering Development	Name or Number	Workyears (FY93 Actual)	FY93 Funds Received (Obligation Authority)	Narrative
ACAT ID	ASPJ	13.3	\$1.6M	On-board advanced self-protection system that provides RF countermeasures for pulse CW, and pulse doppler radars.
ACAT II	EA-6B	238	\$42.6M	Provides advanced development support for the EA-6B Tactical Jamming System. Serves as the primary technical agent and field activity in support of the PEO(T) and the Naval Air Systems Command's acquisition and support of the Navy's only tactical support jamming aircraft, the EA-6B.
	ALE-47	2.1	\$1.45M	Advanced automated dispensing systems for tactical and assault platforms.
	IDECM	.9	\$ .9M	Integrated Electronic Warfare suite which provides RF countermeasures for advanced threats and optimally integrates Electronic Warfare sensors and radar and missile countermeasures.
ACAT III/IV	VARIOUS	126.6	\$15.8M	AAR-47 APR-39A ALR-67 V (2) ALR-67 V (3) & (4) IDAP AAED/ALE-50/MPLC ESM (ALR-6)
Other	FMS	29.6	\$9.4M	FMS - Non appropriated funds (Australia, Finland, Italy, Kuwait, Malaysia, Spain, Switzerland)

**CSF: AIR VEHICLES, ROTARY, AVIONICS**

Engineering Development	Name or Number	Workyears (FY93 Actual)	FY93 Funds Received (Obligation Authority)	Narrative
ACAT ID	ASPJ	.7	\$0.1M	On-board advanced self-protection system that provides RF countermeasures for pulse CW, and pulse doppler radars.
ACAT II	IDECM	.1	\$0.1M	Integrated Electronic Warfare suite which provides RF countermeasures for advanced threats and optimally integrates Electronic Warfare sensors and radar and missile countermeasures.
ACAT III/IV	VARIOUS	6.7	\$0.8M	AAR-47 APR-39A ALR-67 V (2) ALR-67 V (3) & (4) IDAP AAED/ALE-50/MPLC ESM (ALR-(6)

**CSF: WEAPONS, CONVENTIONAL MISSILES/ROCKETS**

Engineering Development	Name or Number	Workyears (FY93 Actual)	FY93 Funds Received (Obligation Authority)	Narrative
Other	Classified Programs	11.4	\$1,125k	Classified Program Development

**CSF: WEAPONS, CRUISE MISSILES**

Engineering Development	Name or Number	Workyears (FY93 Actual)	FY93 Funds Received (Obligation Authority)	Narrative
ACAT IC	TOMAHAWK	1.4	\$205K	Provide flight test engineering support for all variants/versions of TOMAHAWK.
	HARPOON	5.0	\$670K	
ACAT ID	SHORT/MED RANGE UAV	2.2	\$300K	Provide flight test and evaluation of the Medium Range Unmanned Aerial Vehicle (UAV) System through limited rate production.
ACAT II	PIONEER (UAV)	2.0	\$300K	Responsible for providing fleet support, payload integration and test, and T&E of system upgrades for the pioneer UAV system through phase-out.
ACAT III/IV	TALD/ITALD	2.0	\$300K	Responsible for the production reliability acceptance testing of TALD and the system level flight test evaluation of the ITALD variant.

**CSF: C4I, FIXED GROUND-BASED C4I**

Engineering Development	Name or Number	Workyears (FY93 Actual)	FY93 Funds Received (Obligation Authority)	Narrative	
ACAT III/IV	Fixed Ground-Based C4I	80.1	\$10.4M	TERPES TAMPS	

**CSF: C4I, GROUND-BASED MOBILE C4I**

Engineering Development	Name or Number	Workyears (FY93 Actual)	FY93 Funds Received (Obligation Authority)	Narrative	
ACAT III/IV	Ground-Based Mobile C4I	52.3	\$6.9M	TERPES TAMPS	

**3.3.1.3 In-Service Engineering:** For each Common Support Function at each activity engaged in in-service engineering, list the in-service engineering efforts, the FY93 funds (from all sources) obligated for these efforts, the FY93 workyears for these efforts, and the weapon system(s) supported by these efforts. In-service engineering consists of all engineering support of fielded and/or out of production systems and includes efforts to improve cost, throughput, and schedule to support customer requirements as well as mods and upgrades for reliability, maintainability, and performance enhancements. (BRAC Criteria I)

Common Support Functions	In-Service Engineering Efforts (List)	FY93 Actual		Weapon System(s) Supported
		Funds Received (Obligation Authority) \$M	Workyears	
<b>AIR VEHICLES:</b>				
Fixed, Avionics	Performance Enhancements, Training Systems Development, Fleet Problem Resolution, Integration Of New Capabilities, Software Maintenance	140.5	696.8	F-14 ALL T/M/S 46JC Spares/Repair 482 ECP Support A-6 COUPLER A-6 Training Device A-6E BLOCK 1A AAR-47/EO Warning Rec AIM-268/ALR-67(V)2 AIM-7M QA Program ALARMS & ATIMS III ALE-47 ALE-50 ALQ-126B ALQ-162 EA-6B EA-6B ADV S/W EA-6B ADVCAP H/W EA-6B ADVCAP SDS JTAMS EO/IR Modeling KOREA FMS AN/ALR-66B(V)3 UDF/P-3 KUWAIT E2 Eng Supt SINGAPORE FMS USM-482 Test Set SMART SPANISH EF-18 SPANISH FMS ALR-67 F-14D APG-71 F-14D EW System Integ F-14D O-LVL F-16 ECIPS FCT F-22 PROGRAM CDRS F/A-18 EW Supt Integ F/A-18 OEWTPS FINLAND FMS MALAYSIA FMS TERPES System IAW TERPES System Upgrade
Rotary, Avionics		1.4	6.6	AH-1W COBRA NTS

TABLE (contd.)

Common Support Functions	In-Service Engineering Efforts (List)	FY93 Actual		Weapon System(s) Supported
		Funds Received (Obligation Authority) \$M	Workyears	
<b>WEAPONS:</b>				
Conventional Missile	Life Cycle Integrated Logistics, Reliability Engineering, Environmental Engineering, On-Site Fleet Support, Fleet Training	94.9	729.8	AMRAAM HARM Hellfire JSOW Launcher Systems Maverick Penguin Phoenix Sidewinder Sparrow Tow UAV/Pioneer F-14 Wpns Integration
Cruise Missile	Life Cycle Integrated Logistics, Reliability Engineering, Environmental Engineering, On-Site Fleet Support, Fleet Training	4.6	24.2	Harpoon, SLAM, Tomahawk
Bombs	Production Engineering Support, Life Cycle Integrated Logistics, Reliability Engineering, Environmental Engineering, PIP, On-Site Fleet Support, Fleet Training, BDE	13.5	104.5	Navy Bombs Including General Purpose Bombs, Gator And Other Cluster Weapons
Guns and Ammunition	Production Engineering Support, Life Cycle Integrated Logistics, Reliability Engineering, Environmental Engineering, PIP, On-Site Fleet Support, Fleet Training, BDE	12.3	43.4	Navy Guns and Ammunition For Aircraft

TABLE (Cont'd.)

Common Support Functions	In-Service Engineering Efforts (List)	FY93 Actual		Weapon System(s) Supported
		Funds Received (Obligation Authority) \$M	Workyear :	
C4I:				
Ground-Based Mobile C4I	Performance Enhancements, Training Systems Development, Fleet Problem Resolution, Integration Of New Capabilities, Software Maintenance	.9	9.6	Information Warfare Sys.

**3.3.2 Projected Funding**

**3.3.2.1 Direct Funding:** *For each applicable CSF, identify direct mission funding by appropriation from FY94 to FY97. Use FY95 PBS for FY95-FY97. (BRAC Criteria I)*

CSF	SM			
	FY94	FY95	FY96	FY97
N/A	N/A	N/A	N/A	N/A

**3.3.2.2 Other Obligation Authority:** *For each applicable CSF, identify reimbursable and direct-cite funding (other obligation authority expected) from FY94 to FY97. Funding allocation must be traceable to FY95 PBS. (BRAC Criteria I)*

CSF	SM			
	FY94	FY95	FY96	FY97
Air Vehicles, Fixed Wing, Avionics	190	190	188	185
Air Vehicles, Rotary Wing, Avionics	2	2	2	2
Weapons, Coventional Missiles/Rockets	86	86	85	84
Weapons, Cruise Missiles	6	6	6	6
Weapons, Bombs	13	12	12	12
Weapons, Guns and Ammunition	11	11	11	11
C4I, Fixed Ground-Based C4I	9	9	9	9
C4I, Ground-Based Mobile C4I	7	7	7	7

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LABS

ACTIVITY UIC: 63126

3.4 Facilities and Equipment

**3.4.1 Major Equipment and Facilities:** Describe major facilities and equipment necessary to support each Common Support Function (include SCIFs). If the facilities and equipment are shared with other functions, identify those functions and the percentage of total time used by each of the functions. Provide labeled photographs that picture the breadth and scope of the equipment and facilities described. If it is unique to DOD, to the Federal Government, or to the U.S., describe why it is unique. Insert the replacement cost. For this exercise, Replacement cost = (Initial cost + capital investment) multiplied by the inflation factor for the original year of construction. (BRAC Criteria II)

Common Support Function	Major Facility or Equipment Description	Unique To			Replacement Cost (\$K)
		DOD	Federal Gov't	U. S.	
90% Air Vehicle, Fixed, Avionics 10% Weapons Conventional Missiles/Rockets	F-14 Installed Systems Test Facility	Y	Y	Y	200,400
90% Air Vehicle, Fixed, Avionics 10% Air Vehicle, Rotary, Avionics	Electronic Warfare Countermeasures Systems Capability	N	N	N	900
100% Air Vehicle, Fixed, Avionics	Electronic Warfare and Radar Support Equipment	Y	Y	Y	11,653
100% Air Vehicle, Fixed, Avionics	EA-6B Systems Facility	Y	Y	Y	63,000
60% C4I Fixed Ground 40% C4I Ground Mobile	Information Warfare Systems Laboratory Complex	Y	Y	Y	7,433
80% Air Vehicle, Fixed, Avionics 20% Air Vehicle, Rotary, Avionics	Warning and Surveillance Systems Capability	Y	Y	Y	5,465
100% Air Vehicle, Fixed, Avionics	Laser and Stabilized Optics	N	N	N	7,665
100% Air Vehicle, Fixed, Avionics	Electronic Combat Simulation and Evaluation Laboratory	Y	Y	Y	62,000
100% Air Vehicle, Fixed, Avionics	Airborne Infrared Measurements Capability	Y	Y	Y	19,025
2% Air Vehicle, Fixed, Avionics 3% Weapons, Guns & Ammunition	*Sea Level Climatic Chamber	N	N	N	16,000
3% Weapons Conventional Missiles/Rockets 2% Weapons, Bombs	*Reliability Test Facilities	Y	Y	Y	4,000
3% Weapons Conventional Missiles/Rockets 2% Weapons, Bombs	*Ready Missile Test Facility	Y	Y	Y	12,500
20% Weapons, Cruise	*Strike Weapons Evaluation Facility	Y	Y	Y	5,000
5% Air Vehicles, Fixed, Avionics 2% Weapons, Conventional Missiles/Rockets 5% Weapons, Cruise  0% Air Vehicle, Rotary Wing, Avionics; Weapons, Bombs; Weapons, Guns & Ammun.; C4I, Fixed, Ground-based; C4I, Ground-based, Mobile	*Sea Test Range	Y	Y	Y	684,300 (The facilities and equip. involved with providing this capability are interrelated and function as a system when supporting each CSF.)

TABLE (cont'd.)

20% Weapons Conventional Missiles/Rockets 20% Weapons, Cruise	*Bistatic Radar Reflectivity Lab	Y	Y	Y	17,600
20% Weapons Conventional Missiles/Rockets 20% Weapons, Cruise	*Monostatic Radar Reflectivity Lab	Y	Y	Y	10,950
10% Weapons Conventional Missiles/Rockets	*Missile Hardware-in-the-Loop Lab	N	N	N	51,800
20% Weapons Conventional Missiles/Rockets	*Simulation & Effectiveness Center	N	N	N	2,700
Air Vehicles, Fixed, Avionics Weapons Conventional, Missiles/Rockets; Weapons, Cruise (Due to the sensitivity of this function, and the classification for this BRAC data call, the percentages for each CSF cannot be listed. However, the space utilization of the Special Projects Facilities are shown in the following table.)	Special Project Facilities	N	N	N	10,754

\*Major Facilities with CSFs totaling less than 100% perform the remaining percentage in T&E.

SPECIAL PROJECT FACILITIES

Common Support Function	Space Utilization in Square Feet					
	Engineering Labs	Classified Storage Facilities	Ordnance Assembly Building	Secure Hangar	Secure Data Reduction & Analysis	Computer Facilities
Air Vehicles, Fixed, Avionics	2350	0	0	0	0	0
Weapons Conventional Missiles/Rockets	16435	100	4000	5600	8125	2000
Weapons, Cruise Missiles	6000	0	2400	16000	4700	0

TABLE (cont'd.)

20% Weapons Conventional Missiles/Rockets 20% Weapons, Cruise	*Bistatic Radar Reflectivity Lab	Y	Y	Y	17,600
20% Weapons Conventional Missiles/Rockets 20% Weapons, Cruise	*Monostatic Radar Reflectivity Lab	Y	Y	Y	10,950
10% Weapons Conventional Missiles/Rockets	*Missile Hardware-in-the-Loop Lab	N	N	N	51,800
20% Weapons Conventional Missiles/Rockets	*Simulation & Effectiveness Center	N	N	N	2,700
Air Vehicles, Fixed, Avionics Weapons Conventional, Missiles/Rockets; Weapons, Cruise (Due to the sensitivity of this function, and the classification for this BRAC data call, the percentages for each CSF cannot be listed.)	Special Project Facilities	N	N	N	10,754

\*Major Facilities with CSFs totaling less than 100% perform the remaining percentage in T&E.

## 3.4 Facilities and Equipment

**3.4.1 Major Equipment and Facilities:** Describe major facilities and equipment necessary to support each Common Support Function (include SCIFs). If the facilities and equipment are shared with other functions, identify those functions and the percentage of total time used by each of the functions. Provide labeled photographs that picture the breadth and scope of the equipment and facilities described. If it is unique to DOD, to the Federal Government, or to the U.S., describe why it is unique. Insert the replacement cost. For this exercise, Replacement cost = (Initial cost + capital investment) multiplied by the inflation factor for the original year of construction. (BRAC Criteria II)

Common Support Function	Major Facility or Equipment Description	Unique To			Replacement Cost (\$K)
		DOD	Federal Gov't	U. S.	
90% Air Vehicle Fixed Avionics 10% Weapons Conventional	F-14 Installed Systems Test Facility	Y	Y	Y	200,400
90% Air Vehicle Fixed Avionics 10% Air Vehicle Rotary Avionics	Electronic Warfare Countermeasures Systems Capability	N	N	N	900
100% Air Vehicle Fixed Avionics	Electronic Warfare and Radar Support Equipment	Y	Y	Y	11,653
100% Air Vehicle Fixed Avionics	EA-6B Systems Facility	Y	Y	Y	63,000
60% C4I Fixed Ground 40% C4I Ground Mobile	Information Warfare Systems Laboratory Complex	Y	Y	Y	7,433
80% Air Vehicle Fixed Avionics 20% Air Vehicle Rotary Avionics	Warning and Surveillance Systems Capability	Y	Y	Y	5,465
100% Air Vehicle Fixed Avionics	Laser and Stabilized Optics	N	N	N	7,665
100% Air Vehicle Fixed Avionics	Electronic Combat Simulation and Evaluation Laboratory	Y	Y	Y	62,000
100% Air Vehicle Fixed Avionics	Airborne Infrared Measurements Capability	Y	Y	Y	19,025
2% Air Vehicle Fixed Avionics 3% Weapons, Guns & Ammun.	*Sea Level Climatic Chamber	N	N	N	16,000
5% Weapons Conventional	*Reliability Test Facilities	Y	Y	Y	4,000
5% Weapons Conventional	*Ready Missile Test Facility	Y	Y	Y	12,500
20% Weapons Cruise	*Strike Weapons Evaluation Facility	Y	Y	Y	5,000
Avionics, Weapons, C4I	*Sea Test Range	Y	Y	Y	684,300
20% Weapons Conventional 20% Weapons Cruise	*Bistatic Radar Reflectivity Lab	Y	Y	Y	17,600
20% Weapons Conventional 20% Weapons Cruise	*Monostatic Radar Reflectivity Lab	Y	Y	Y	10,950
10% Weapons Conventional	*Missile Hardware-in-the-Loop Lab	N	N	N	51,800
20% Weapons Conventional	*Simulation & Effectiveness Center	N	N	N	2,700
Air Vehicles, C4I, Weapons	Special Project Facilities	N	N	N	

\*Major Facilities with CSFs totaling less than 100% perform the remaining percentage in T&E.

**F-14 WEAPONS SYSTEM SUPPORT ACTIVITY.** The F-14 Weapons System Support Activity (WSSA) provides the tools and facilities needed to develop, integrate, test, verify and maintain the F-14 weapon systems software. This includes weapons system software and subsystems integration for the F-14A/B, and F-14 trainers. The facility provides individual hardware-in-the-loop (HWIL) laboratories for the real-time evaluation of engineering changes and for the investigation of problems encountered during flight tests. It is an ideal facility for radar performance verification and the integration and evaluation of EO sensors for new/improved subsystems under controlled and repeated test conditions. The dynamics of the HWIL allow the direct evaluation of system/subsystem interaction and augment complement actual flight tests.

**ELECTRONIC WARFARE COUNTERMEASURES SYSTEMS CAPABILITY.** The NAWCWPNS Electronic Warfare Avionics Organization, Code P234, is NAVAIR's technical agent for the development and production of multi-spectral self-protection electronic warfare countermeasures systems. The organization provides threat assessments and develops and/or improves countermeasures techniques for on-board/off-board countermeasures systems; integrates electronic warfare responses to provide optimum utilization of aircraft sensors and tactics; produces and delivers software user data files for deployed countermeasures systems that reflect changes in the threat; incorporates countermeasures techniques that are effective increase aircraft survivability, and improve the probability of mission success; increases the survivability of fixed and rotary wing aircraft which use light weight electronic warfare systems; and maintains the engineering expertise and facilities for analyses and exploitation of foreign electronic warfare and weapon systems. The organization performs the full spectrum of project and business management support including financial, acquisition, facilities, and equipment management; general administrative and clerical assistance in support of the technical mission; and project planning, control, scheduling, tasking, and coordination.

**ELECTRONIC WARFARE AND RADAR SUPPORT EQUIPMENT.** The NAWCWPNS Electronic Warfare Avionics Systems Support Organization, Code P235, is the Navy's technical agent for the acquisition of electronic warfare and radar support systems and serves as the designated commodity manager for Navy airborne electronic warfare and radar avionics automatic test equipment and test program software under authority from NAVAIR. The historic role of NAVAIR in the acquisition and support of these systems has changed as a result of decentralization. Full responsibility for the acquisition, management, engineering, and integrated logistics support of electronic warfare and radar support systems has been divested to Point Mugu. The Organization's mission also includes the maintenance of laboratory and computer facilities which support the acquisition, development, integration, test, and evaluation of cognizant support systems. The laboratory facilities contain installed avionics systems and actual aircraft platform radio frequency transmission lines which replicate real world aircraft platform installations.

The Integrated Support Station Laboratory is the only facility, with installed avionics systems and actual aircraft platform radio frequency transmission lines, available to perform support systems integration and T&E. The laboratory has been used for U.S. Air Force support systems development.

**EA-6B SYSTEMS FACILITY.** The mission of the EA-6B Systems Facility is to serve as a systems engineering center for the development and Fleet support of assigned Navy and Marine Corps Electronic Warfare and Intelligence support systems and to act as the WSSA for the EA-6B Tactical Jamming System. This facility uses advanced technologies and techniques to provide engineering services including the definition and specification of new and improved systems in response to user and sponsor requirements or intelligence updates; the development of both hardware and software systems for support jamming, mission planning, mission analysis and support, and intelligence support; and the production support, testing, quality assurance, and in-service engineering for these systems.

Currently, the EA-6B Weapons System Support Laboratory (WSSL) is the only facility which can support the EA-6B WSSA. The Electronic Warfare Data Support (EWDS) laboratory is the only facility which can support specific intelligence data engineering for the EA-6B Tactical Jamming System. These roles and capabilities are unique in DOD. In addition, the EA-6B laboratories are networked with the Information Warfare Support Laboratory Complex and share resources with the Electronic Combat Simulation and Evaluation Laboratory.

INFORMATION WARFARE SYSTEMS LABORATORY COMPLEX. The mission of the Information Warfare Systems Laboratory Complex is to conceive, develop, and deploy software and hardware products which result in the seamless integration of automated mission planning and intelligence systems in a common operating environment. The Complex provides for the design, development, integration, training, rapid prototyping, and life cycle support of the new fully open architecture Tactical Aircraft Mission Planning System (TAMPS) version 6.0 and beyond and the Tactical Electronic Reconnaissance Processing and Evaluation System (TERPES). Complex personnel define and specify new and improved systems in response to fleet requirements and intelligence data. The Complex is comprised of approximately 11,000 square feet of laboratory and office space which are electronically interconnected to a number of key facilities, and houses over \$2.3 million of computer resources including several open architecture mainframe multi-user assets with significant computing power (2000 MIPS). The Complex is capable of conducting modeling and simulation and performing planning efforts at the force and unit levels in support of development and test and evaluation efforts.

The Information Warfare Systems Laboratory Complex is the only facility providing development, production, and in-service engineering support to TERPES. The Complex is unique in that it is the only facility currently integrating development efforts on intelligence processing systems with mission planning systems in an open architecture environment. Further, this complex is unique in the fact that it is collocated and interconnected to the EA-6B WSSA and the NAWCWPNS BMIC.

WARNING AND SURVEILLANCE SYSTEMS CAPABILITY. NAWCWPNS Code P238 is NAVAIR's principal technical systems engineering agent for the development, test, and support of multi-spectral electronic warfare warning and surveillance systems and suites for tactical Navy aircraft, Foreign Military Sales customers, and Joint Service programs. The organization provides life cycle support which encompasses the design, development, systems engineering, test, verification, validation, integration, production support, acceptance, quality assurance, Fleet introduction, configuration management, distribution, control, modification, post deployment software support, and Fleet support of assigned systems and related software. The organization provides quick reaction and rapid reprogramming capability to deployed Fleet systems.

The overall capability, including expertise and laboratory support, to perform the services for the multi-spectral systems previously described is unique and not available elsewhere.

LASER AND STABILIZED OPTICS. NAWCWPNS Code P2385 provides mission support capabilities to the Fleet in the area of laser-guided weapons training, imaging weapons training, multi-spectral training, and long focal length imaging and intelligence collection. The organization supports this capability in conjunction with the other DOD components to facilitate integrated planning and operations and provides support to other government agencies on a "non-interference" basis which allows them to benefit from DOD's investment in technology and experience.

ELECTRONIC COMBAT SIMULATION AND EVALUATION LABORATORY (ECSEL). The ECSEL is the Navy's principal laboratory complex for research, development, and in-service engineering support of naval airborne electronic warfare equipment. A modern secure laboratory facility, the ECSEL develops, operates, and maintains simulations that replicate the functional

characteristics and performance of threat weapon systems. The ECSEL's Advanced Multiple Environment Simulator family of open-loop simulations provide a dense electromagnetic environment of land-based, naval, and airborne threat weapon systems and frequency coverage from 100 kHz to 96 GHz. Specific closed-loop simulators include a modern threat surface-to-air missile system, the Radar Equipment Simulator, the Semi-Active Test System, and the Early Warning/Acquisition system. The electronic warfare systems' workstations provide prime power, avionics, computer, and simulator interfaces for naval aircraft radar warning receivers and jammers. Research and development testing of developmental electronic warfare equipment, software support for systems currently in the Fleet, integration support, and techniques development and optimization are routinely accomplished in the ECSEL.

The magnitude of the naval threat open loop simulation capability is not available anywhere else.

AIRBORNE INFRARED MEASUREMENTS CAPABILITY The Support Systems and Measurements facilities test the effectiveness of decoy flares in protecting U.S. aircraft from IR-guided missiles, conduct lot-acceptance testing of Navy flares, provide aircraft store separation photo analysis, and execute the test and evaluation of ground support equipment and software for aircraft electronic warfare systems.

Airborne system is unique in its capability to collect simultaneous data from three IR instruments and four captive IR missiles and in its capability to perform tests at supersonic speeds.

SEA LEVEL CLIMATIC CHAMBER. The Sea Level Chamber provides the capability to generate and control various combinations of temperature, humidity, rain, snow, and wind environments. Vehicles, including the largest military fighter aircraft or ground combat vehicle, can be tested to climatic extremes from arid desert, to monsoon rains, to Arctic chill. Systems may be fully operational while testing is underway to validate their operation during exposure to various climatic extremes. Sliding walls permit the Sea Level Chamber to be compartmented and operated as three independent chambers: one chamber at 63' x 60' or as two chambers at 30' x 60'; and an additional chamber at 20' x 25', all with a 24-foot ceiling height. Thus, various parts or components of a system may be subjected simultaneously to entirely different climatic environments.

RELIABILITY TEST FACILITIES. The Reliability Test Facility provides the capability to conduct functional testing, acoustic/dynamic testing, thermal conditioning, and assembly/disassembly of missiles or components which do not contain explosives. This facility consists of four vibro-acoustic test cells capable of combining shaped acoustics to 157+dB and mechanical shakers which cover a frequency range of 5Hz to 2000Hz. The thermal capacity of each cell ranges from -70°F to +170°F with LN2 boost for high cooling ramps. These cells also allow a complete functional check-out of each missile during the test. This capability was designed to meet the requirements of MIL-STD-810D/E method 523 and to support the reliability measurements of MIL-STD-781 on new production, as well as, in-service weapons.

This is the only facility that can reproduce the stresses of captive flight environments, dynamically (acoustics and shakers), thermally, and functionally.

READY MISSILE TEST FACILITY. The Ready Missile Test Facility (RMTF) provides the capability to conduct functional testing, acoustic/dynamic testing, thermal conditioning, real time radiography, and assembly/disassembly of all-up-round weapons containing explosive loaded warheads and live rocket motors. This facility consists of four vibro-acoustic test cells rated at 650 lbs or more of class A explosives. These cells are capable of combining shaped acoustics to 457+dB and mechanical shakers which cover a frequency range of 5 to 2000 Hz. The thermal capacity of each cell ranges from -70°F to +170°F with LN2 boost for high cooling ramps. The four functional test cells located on site provide the complete functional check-out of each missile in a live

all-up-round configuration. There is also a real time x-ray capability to provide an evaluation of missile rocket motor integrity before and after being subjected to test environments. This facility also provides an assembly/disassembly capability.

These are the only ordnance approved test facilities that allow the combined environments testing on all-up-round tactical missiles.

STRIKE WEAPONS EVALUATION FACILITY. The Strike Weapons Evaluation Facility consists of knowledgeable workers and physical laboratories focused on the complete test and evaluation of weapons and weapon control systems associated with the strike mission. Individual laboratories focus on radar seekers, weapon data link pods, missile flight computers, and analytical simulation and analysis. The facility's capabilities are used to support full spectrum evaluation work consisting of simulation, hardware testing, test planning and execution, data analysis and display, missile performance prediction and evaluation, missile flight control and mission logic evaluation, and pre- and post-flight data comparisons.

Laboratory assets include fixed site labs, a mobile lab, and a remote laboratory on Santa Cruz Island which is located approximately 20 miles from Point Mugu. The multiple labs allow subsystem testing with a variety of targets, backgrounds, and environmental conditions that are unavailable at a fixed site location. Computational assets provide multiprocessing services for users simultaneously running any mix of simulation, flight test analysis, database management, or program development applications. Laboratories and personnel are capable of fully supporting projects requiring TOP SECRET Special Access constraints. A TEMPEST shielded secure computing and analysis environment is available.

There is no other facility with the unique set of target generation equipment and instrumentation in proximity to a real test environment representative of the operational need. Proximity to other technical assets, such as RCS measurement chambers and the sea and land test range assets, provides an unmatched evaluation capability.

SEA TEST RANGE. The Sea Test Range at Point Mugu is DOD's largest and most heavily instrumented sea/air range, encompassing 125,000 square miles of instrumented test space with 36,000 square-nautical miles of controlled airspace. The range has the unique feature of geographic location combined with a highly-instrumented coastal region and offshore islands. The Point Mugu Sea Test Range has the capability of providing and supporting true at-sea and littoral scenarios. Facilities that are located at Point Mugu, Laguna Peak, and on the outlying islands of San Nicolas, Santa Cruz, Santa Rosa, and San Clemente, as well as up the coast to Tassajera Peak and as far south as San Diego, provide capability for precision metric tracking of up to 35 objects, target control for up to 10 airborne and surface targets, and telemetry for up to 20 sources. The Point Mugu site offers the advantage of laboratories collocated with operational air and sea test range capabilities. The combination of location, extensive instrumentation capacity, over-the-horizon command and control, unique test capabilities, and a highly-skilled, experienced technical work force provides a realistic sea/air environment for conducting large integrated, joint test and evaluation, and training exercises with integrated subsurface, surface, and air coverage. Finally, Laguna Peak supports command-and-destroy capabilities for ICBM and Polar satellite launches.

Unique Sea Test Range Capabilities :

- Complex multiparticipant, multiple warfare area operations
- Coordinated air, surface, and submarine operations
- Submarine, surface, and air-launched cruise weapons testing
- Long-range, large-hazard-pattern weapons testing
- Ballistic missile operations support
- ICBM and Polar-orbit satellite launch operations support

- Sea-environment special access program support
- Classified target development and testing
- Joint engagement zone scenarios
- Simulated regional conflict operations
- Multiple participant live-fire exercises
- Theater missile defense
- Radar-cross-section measurement of sea and air platforms

**BISTATIC RADAR REFLECTIVITY LAB.** Provides near field and far field bistatic measurements of radar signatures of full scale missiles and other aerial targets up to 30 feet in length. The laboratory supports measurements of horizontal bistatic angles from 0 to 180 degrees and vertical bistatic angles from 0 to 90 degrees within the VHF through W-band frequency range. The facility provides definition and diagnostic analyses of electromagnetic scattering and radiation measurements. Supports the development, planning, and analysis of flight test operations and engagement/encounter simulations. Provides survivability analysis and development and test of low observable vehicles.

**MONOSTATIC RADAR REFLECTIVITY LAB.** Provides near and far field monostatic measurements of radar signatures of full scale missiles and other aerial targets up to 16 feet in length. The laboratory supports measurements within the "S" through "W" band frequency range. The facility provides definition and diagnostic analyses of electromagnetic scattering and radiation measurements. Supports the development, planning and analysis of flight test operations and engagement/encounter simulations. Provides survivability analysis and development and test of low observable vehicles.

**MISSILE HARDWARE-IN-THE-LOOP.** Provides missile system performance evaluation from launch to intercept against single or multiple targets in clear, clutter, or electronic countermeasures environments through open- and closed-loop testing. The missile performance is assessed against maneuvering or non-maneuvering targets with glint and scintillation RF signatures. Dual spectrum (i.e., RF and IR) testing is performed in one of the facility's test laboratories. The facility supports weapon system acquisition milestone decisions and is used to conduct technical baseline performance evaluation of tactical missile software. Pre- and Post-Flight simulations are conducted for air-to-air and surface-to-air missile development and operational tests. Aircraft to missile interfaces are tested for various air-to-air missile systems.

**SIMULATION AND EFFECTIVENESS CENTER.** The Simulation and Effectiveness Center (SEC) consists of computational facilities that provide missile performance assessments through the use of digital models and simulations. Data gathered from live missile flights, captive flights, and Hardware-in-the-Loop (HWIL) operations are used to predict weapon system guidance accuracy, fuze detection ranges, warhead effectiveness, and probability of kill. This facility is used for developing, maintaining, and operating missile all digital six degrees-of-freedom flyout and lethality simulations. Warhead, fuze, target vulnerability, and N-point radar cross section models are also developed, supported and used at this site. The SEC has developed tri-service models such as JSEMS that are distributed by the Joint Technical Coordinating Group on Munitions Effectiveness (JTTCG/ME). The SEC personnel analyze six degrees-of-freedom and lethality simulation data; flight test guidance and endgame performance data; and, using in-house developed analysis tools, generate preflight weapon system risk assessments, missile kinematics assessments, detailed baseline performance matrix analyses, and fuze software and hardware evaluation. The results of these complex digital simulations are used to assess overall weapons system performance for a variety of different tactical situations and flight parameters.

The Integrated Radar and Infrared Analysis and Modeling System (IRIAM) is a Point Mugu FY93/94 Defense Modeling and Simulation Organization (DMSO) project to develop a standard testbed for the integrated interactive display of multi-spectral sensor measurement and simulation data for comparison of modeling with the actual weapon systems test data. This laboratory serves as a testbed for EO and IR signature databases and models, supports the development of a Virtual Reality Presentation Engine (VRPE), and is used to demonstrate the interoperability of T&E support databases with modeling and simulation.

**WEAPONS SUPPORT FACILITY.** The combined laboratories perform three separate functions within the In-Service phase of a weapon life cycle. The Airborne Weapon Information System (AWIS) is a common communications network containing all maintenance production deficiency reporting data bases of all air-launched weapon systems including conventional missiles, bombs, and guns and ammunition. Components of the system are the Airborne Weapons Analysis and Reporting System (AWARS), Management Action and Reporting System (MARS), and the Configuration and Data Management and Support Structure (CADMSS). The Ship Installation Facility is used to validate prototype weapons and equipment configuration against ship configuration to eliminate loading and storage problems for weapons as they are introduced to the Fleet. The facility is used to support Ship Installation Assurance Tests (SIAT) and Consolidation Operability Tests for armament support equipment, container design, and shipboard integration requirements. The Maintenance Support Trainer Laboratory programs and installs Part Task Trainers and Computer Based Trainers that provide weapon/platform interface training to Fleet air crews and maintenance personnel. The trainers are used to provide simulated flight/weapons training for HARPOON, SLAM, MAVERICK, and HARM missile systems and the Airborne Multifunctional Electronic Warfare Trainer (AMEWT) that supports many weapons and airframes.

**Interconnectivity/Multi-Use of T&E Facility:** AWIS facility provides maintenance and readiness condition information for each Navy air-launched weapon to over 90 sites and 600+ users across the country. The Ship Installation Facility and the Maintenance Support Trainer Laboratory provide direct support to Fleet units.

**Type of Test Supported:** Laboratories support Ship Installation Assurance Tests and Consolidation Operability Tests, test hardware and software for various computer-based training systems, and provide life-cycle tracking and condition readiness for all air-launched Navy weapon systems.

**Summary of Technical Capabilities:** AWIS has the capability to track each air-launched weapon through its entire life cycle, identifying all maintenance and repair to the system, any problems and the corrective action(s) taken, until the unit is expended. The Ship Installation facility has the capability to test prototype weapons and support equipment in a mock-up aircraft carrier environment to ensure the system can fit into carrier elevators along with other storage details. The Maintenance Support Trainer Laboratory has the capability to program upgrade and update software to provide the Fleet with the most accurate simulation training on flying and using HARPOON/SLAM, MAVERICK, HARM, and Electronic Warfare systems.

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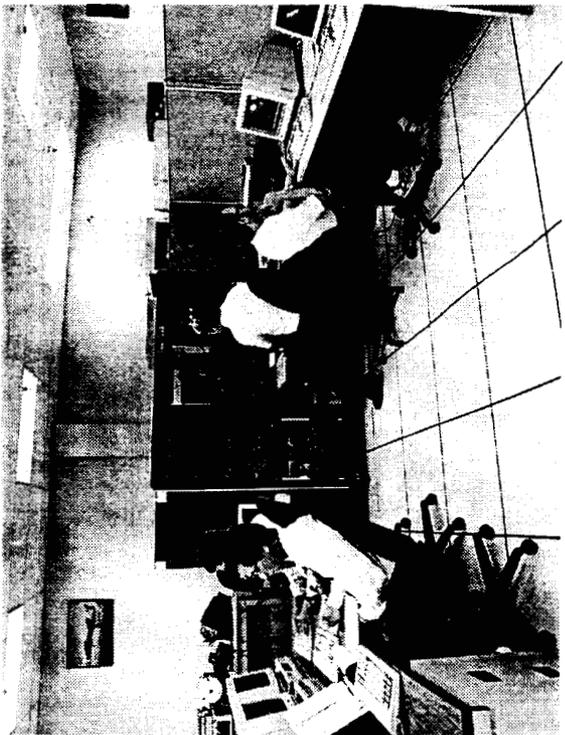
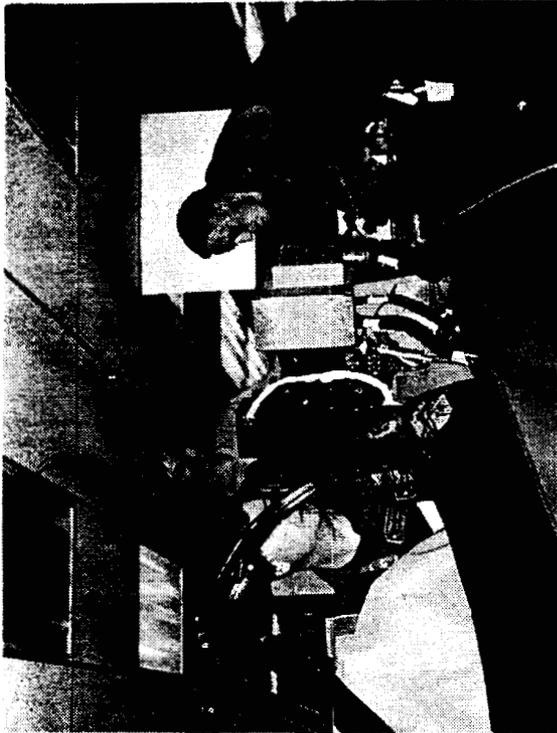
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LABS

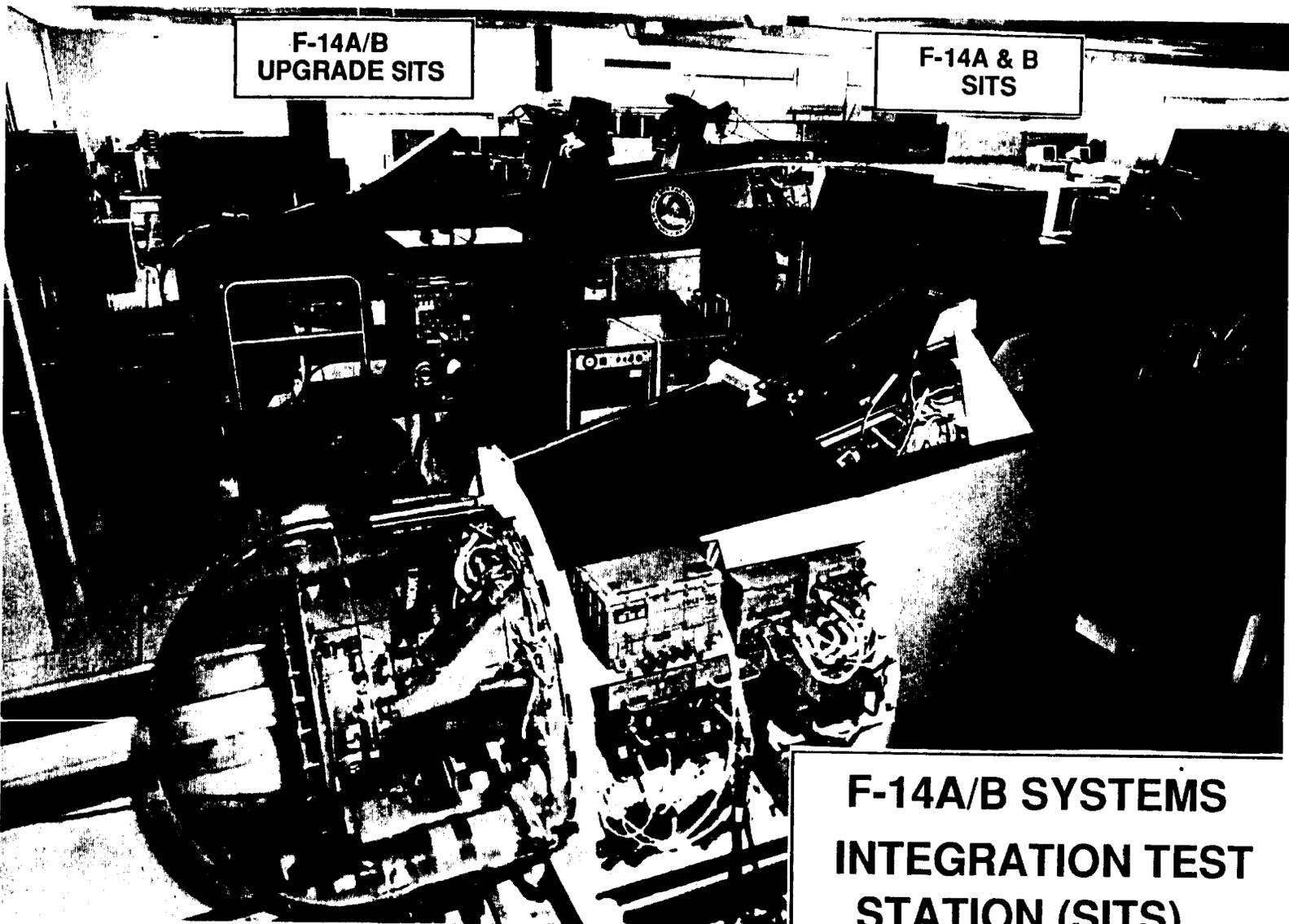
ACTIVITY UIC: 63126

**SPECIAL PROJECT FACILITIES:** The facilities and equipment provided RDT&E for projects involving highly classified technology. These projects which cannot be discussed here in detail for security reasons are composed of various tasks involving all Directorates at Point Mugu. Currently there are 19 facilities in which special projects are supported. These facilities were designed to meet DIAM 50-3 security requirements. These include engineering laboratories, classified storage facilities, ordnance assembly buildings, secure hangars, secure data reduction and analysis facilities, and computer facilities.

The following photographs illustrate many of Point Mugu's major equipment and facilities.



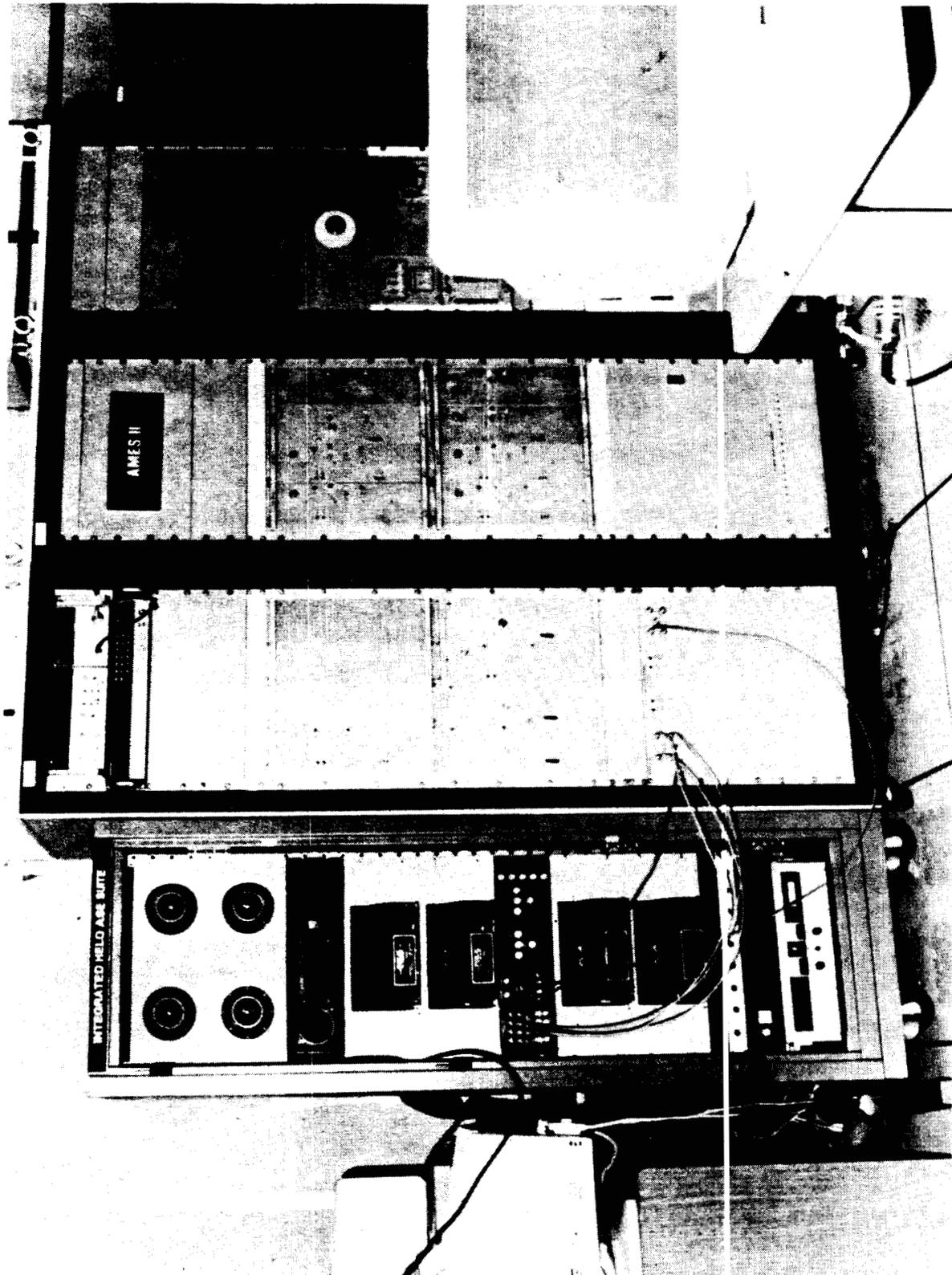
F-14 Weapons Systems Support Activity



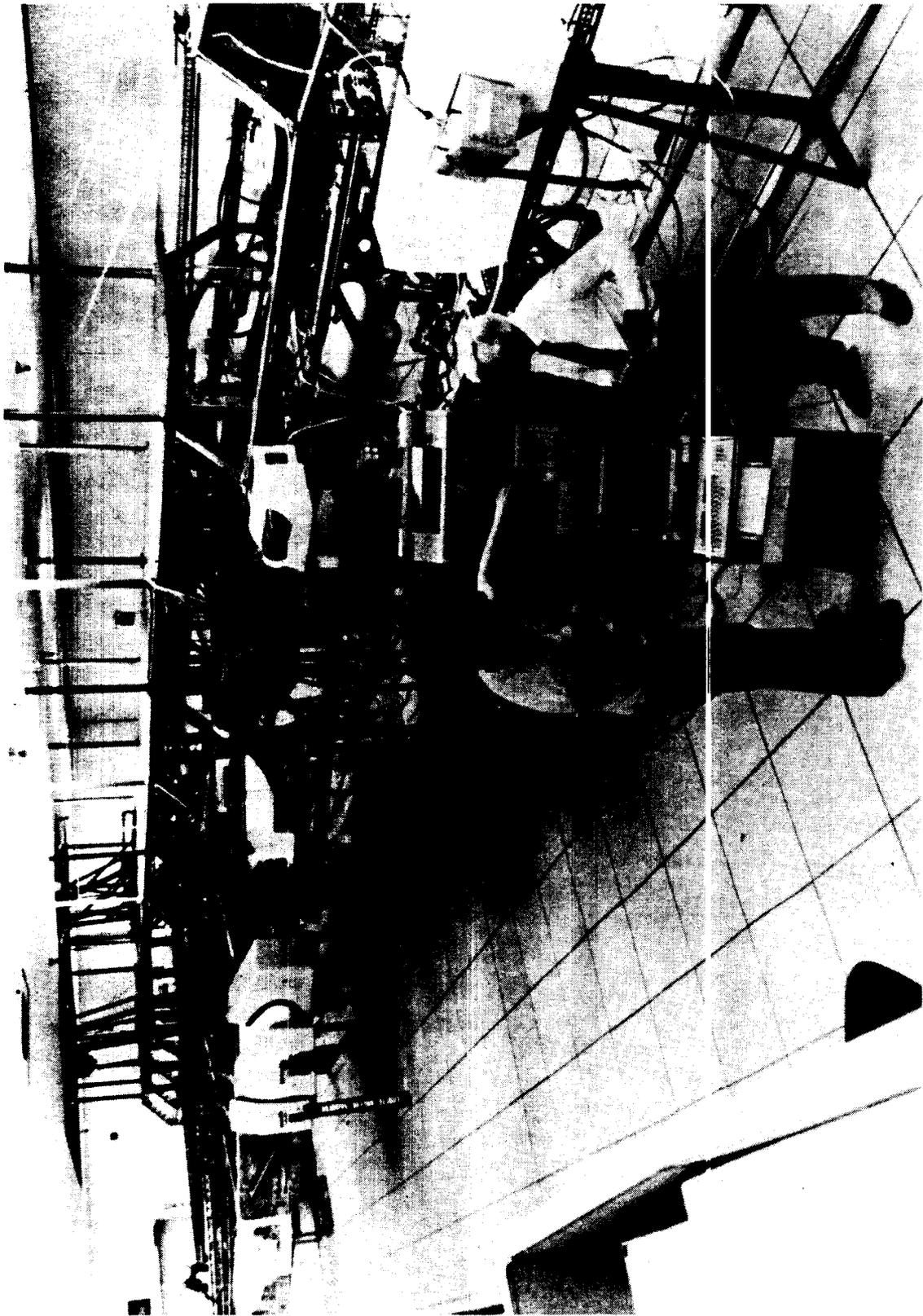
F-14 Installed Systems Test Facility



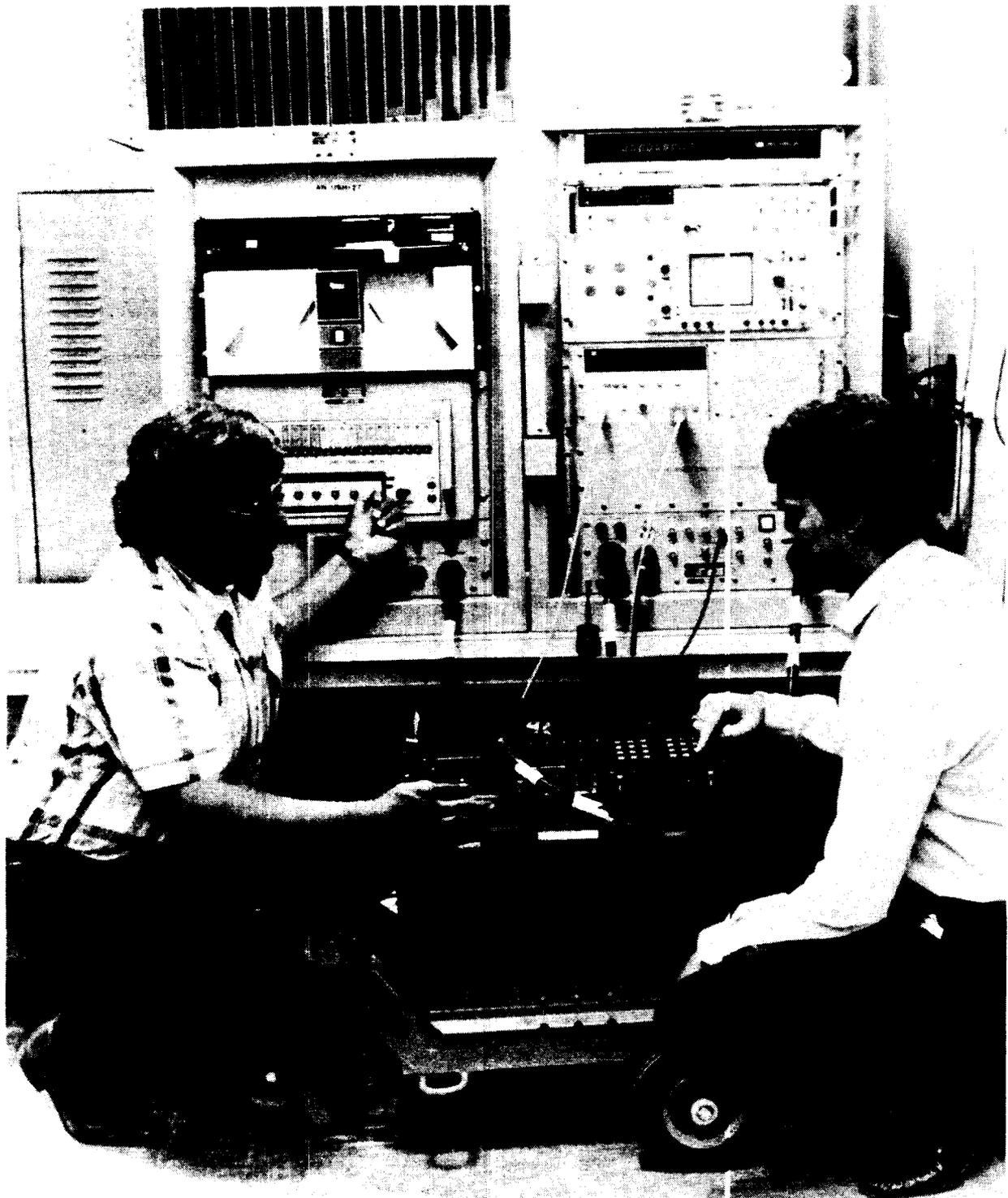
F-14 Installed Systems Test Facility



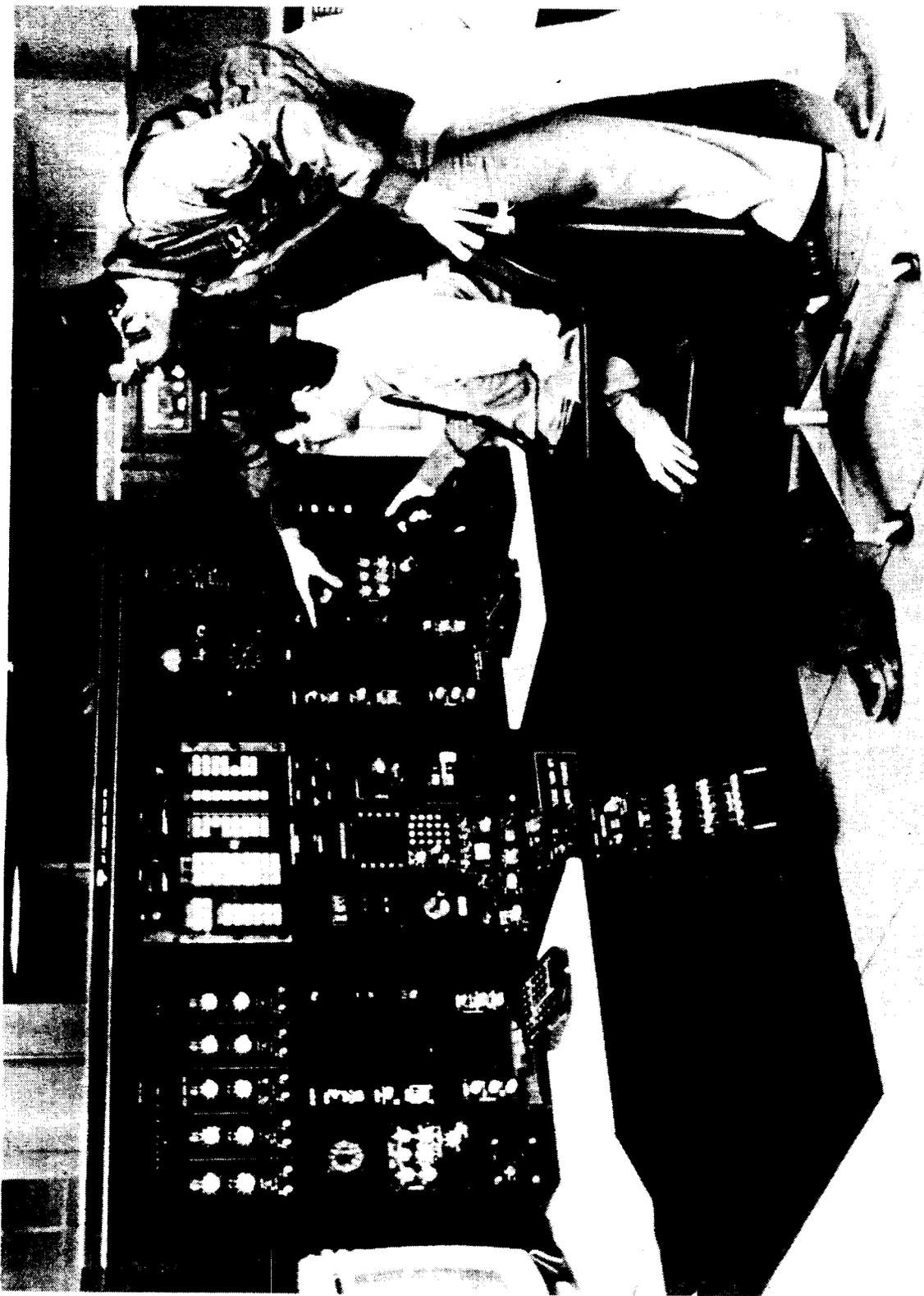
HH-60H EW Suite Integration Laboratory



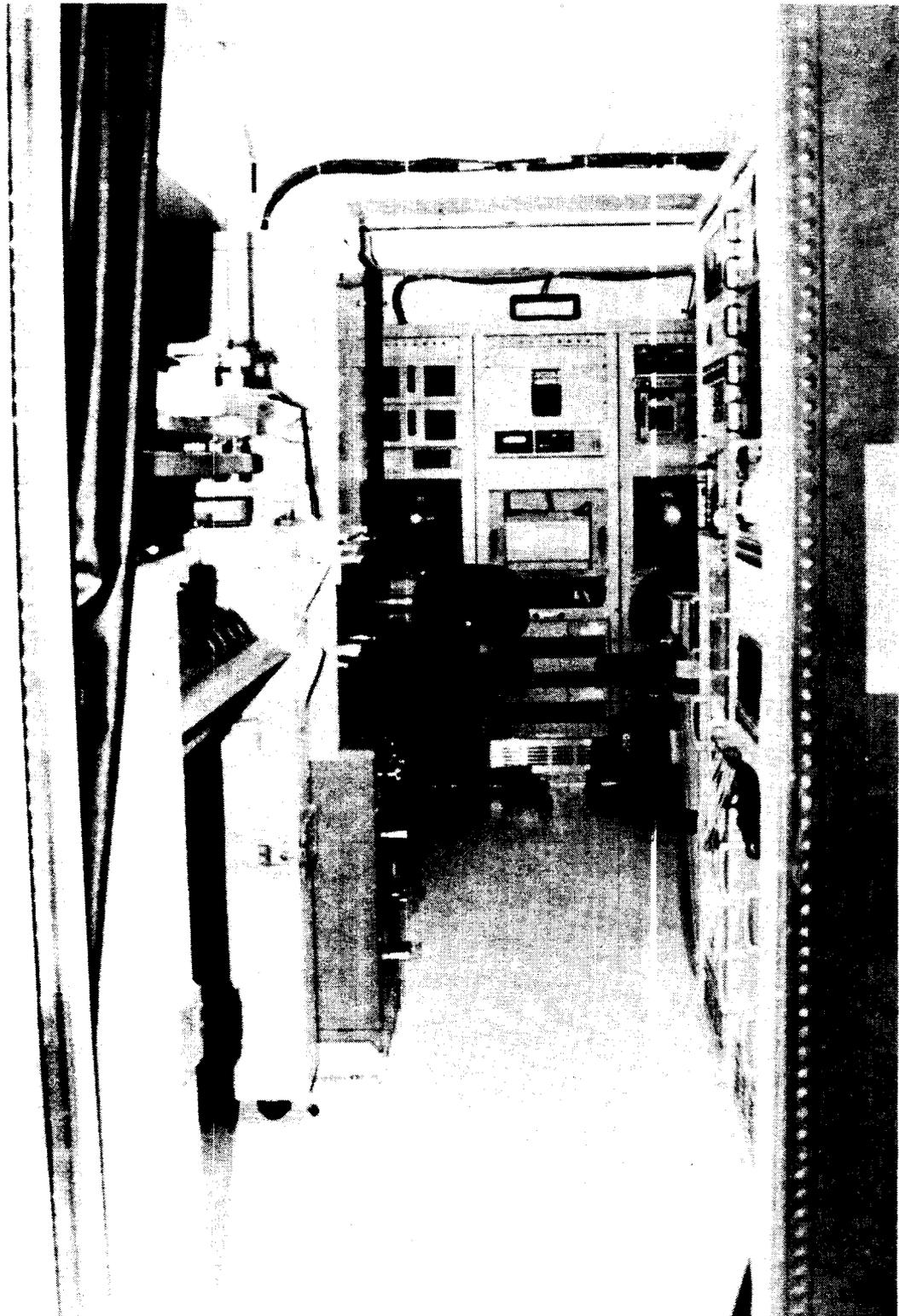
Integrated Systems Support Laboratory (ISSL)



EW Support Equipment Development Station



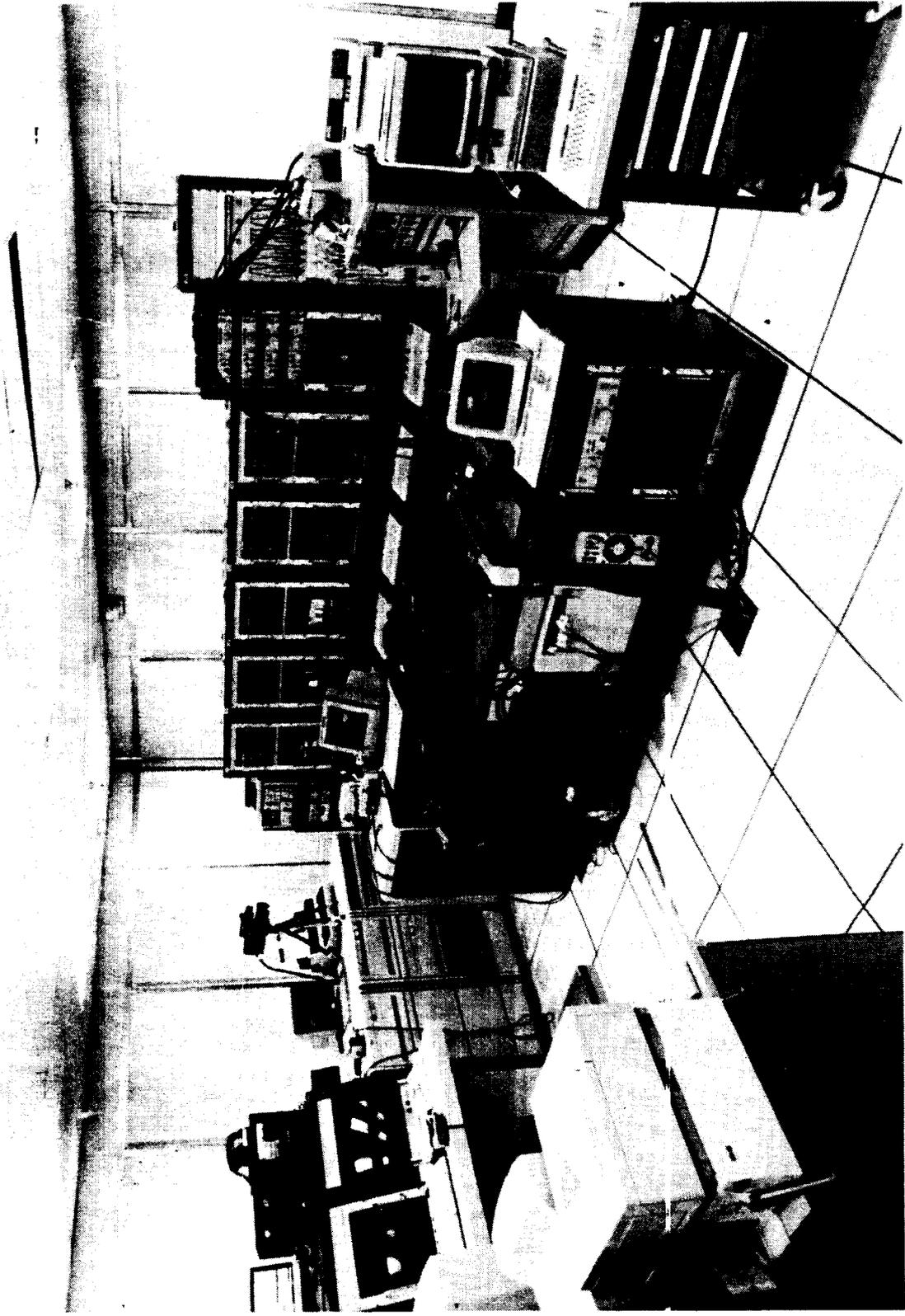
EA-6B Weapons System Support Laboratory (WSSL)



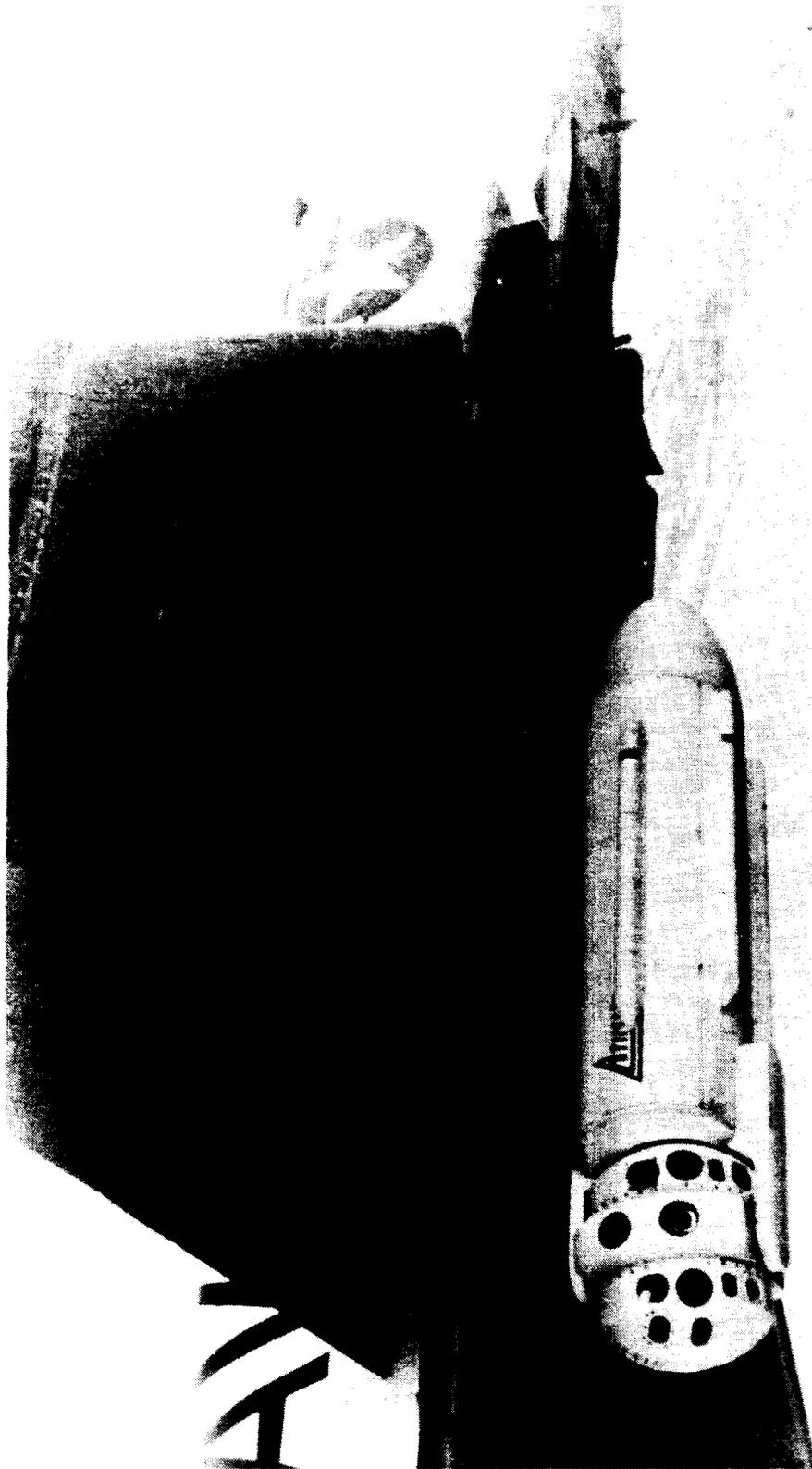
TERPES Integration Laboratory Facility



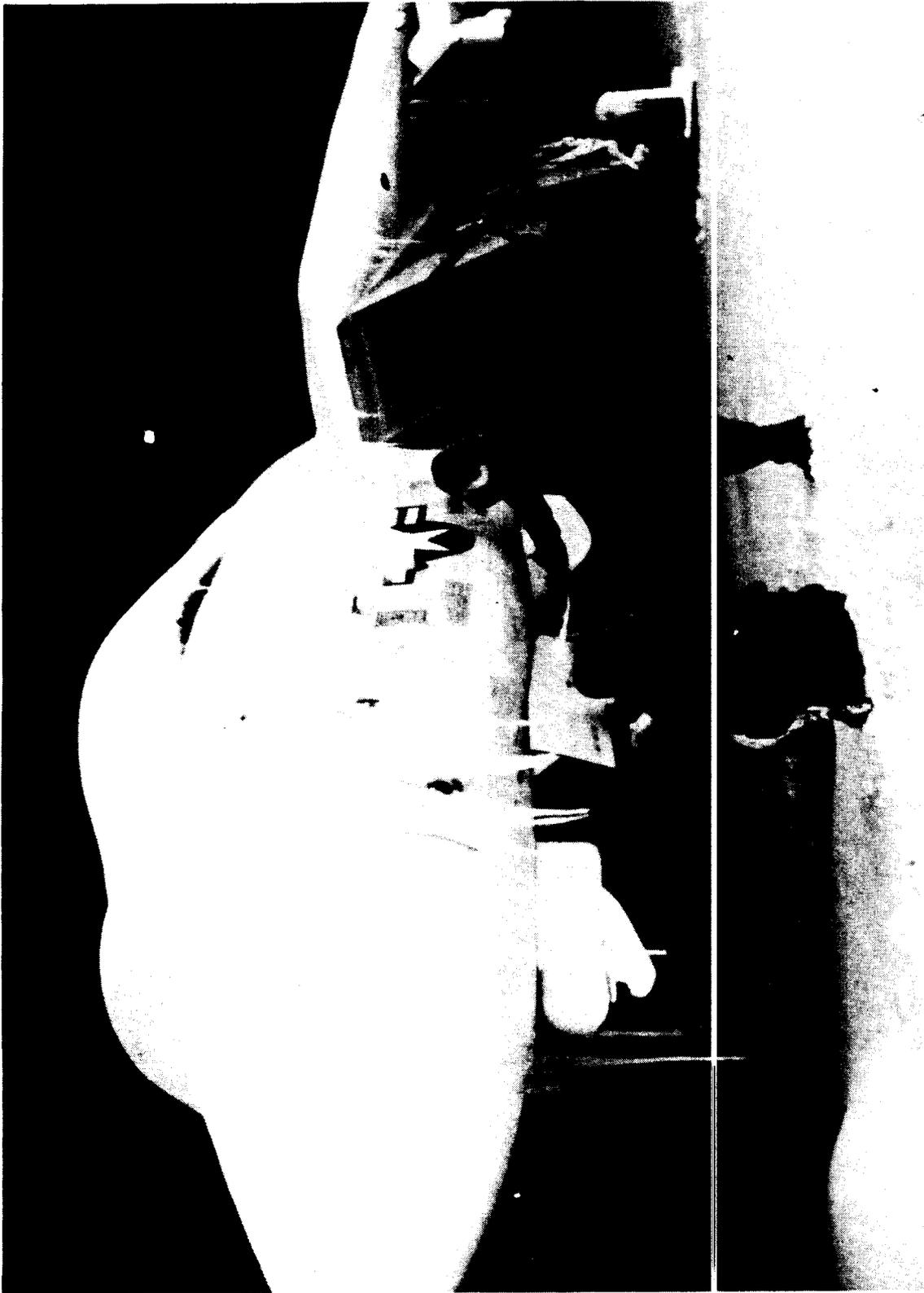
ALR-67 Software Development Laboratory



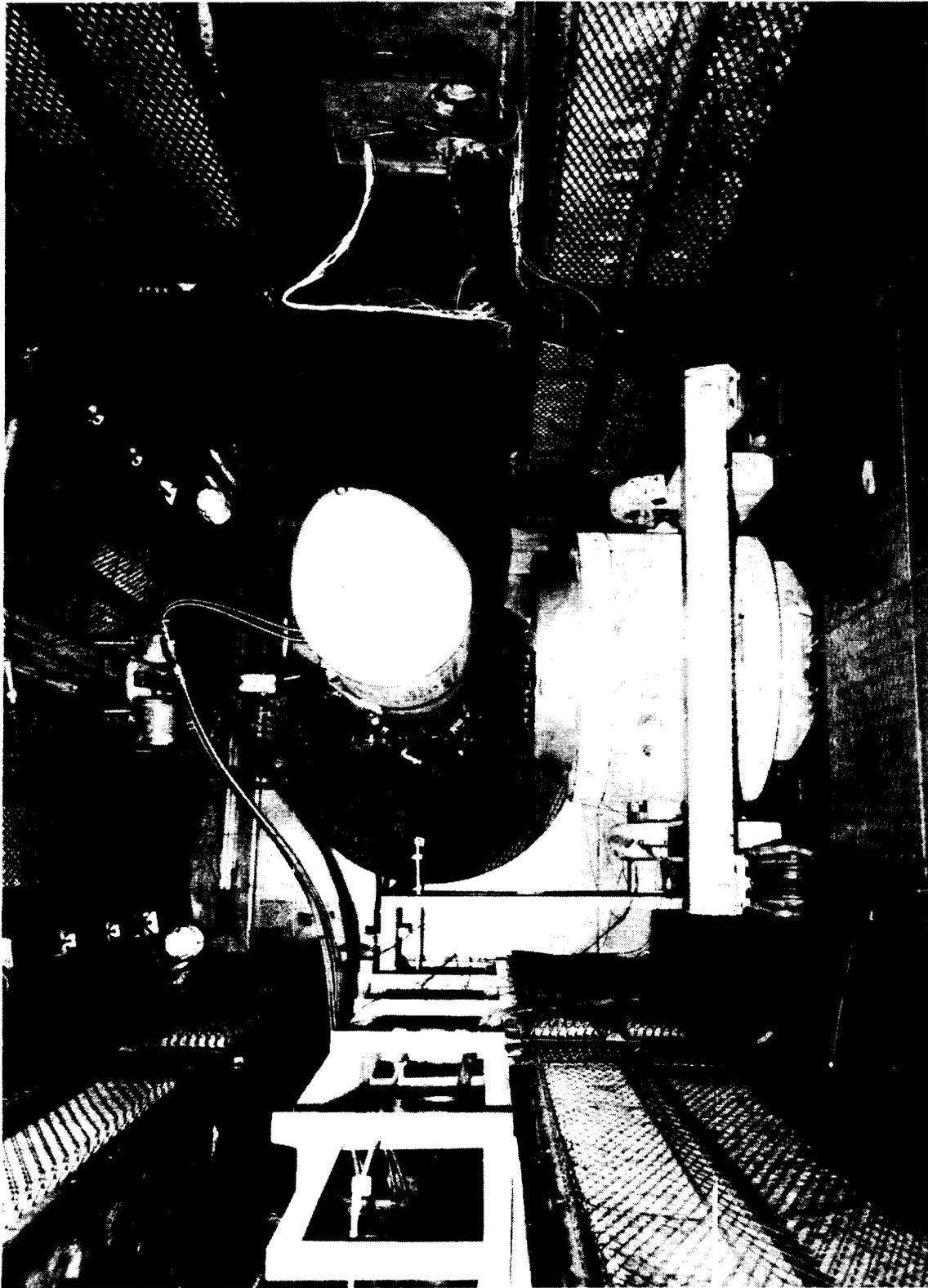
Electronic Combat Simulation Evaluation Laboratory (ECSEL)



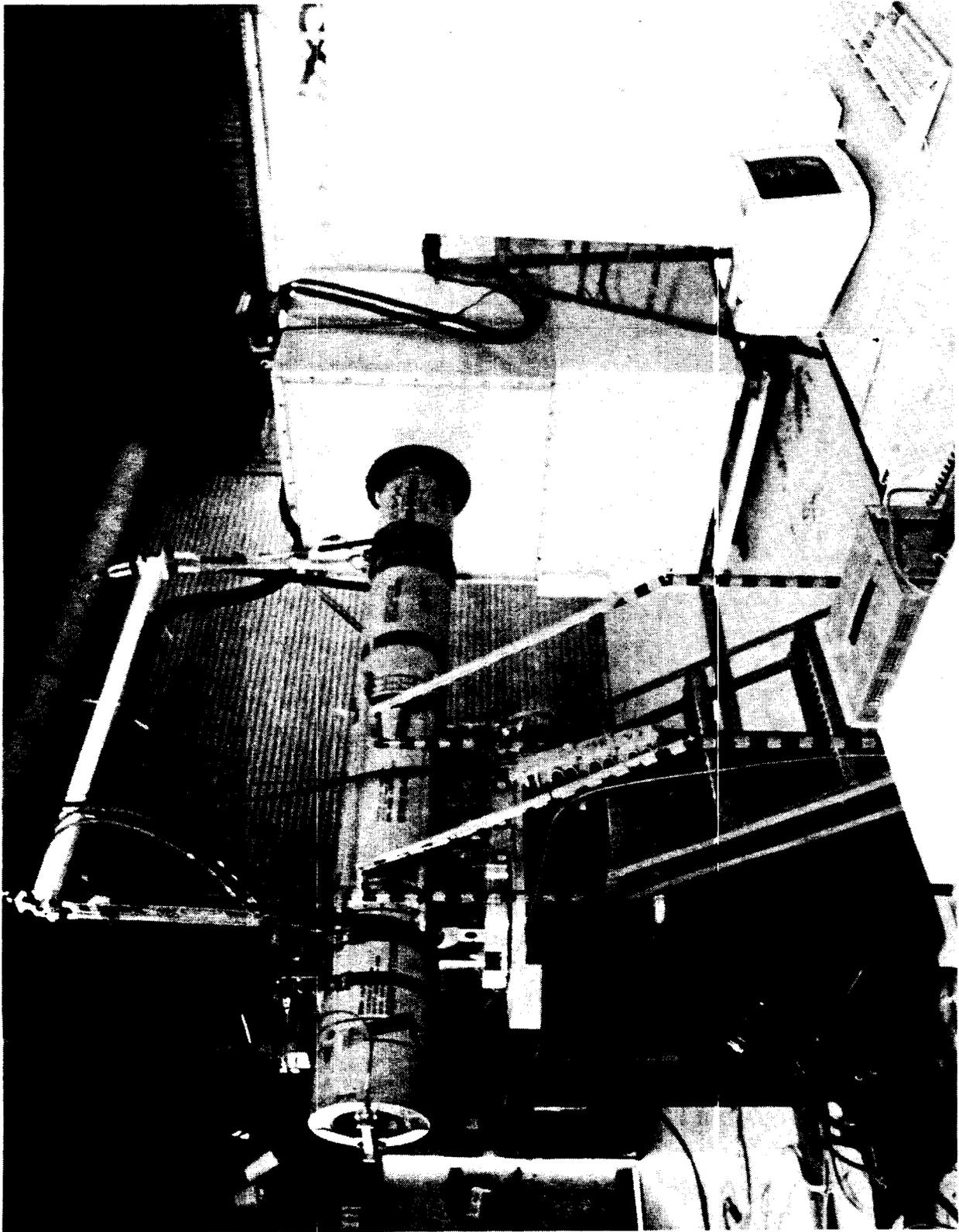
Airborne Turret Infrared Measurement System (ATIMS)



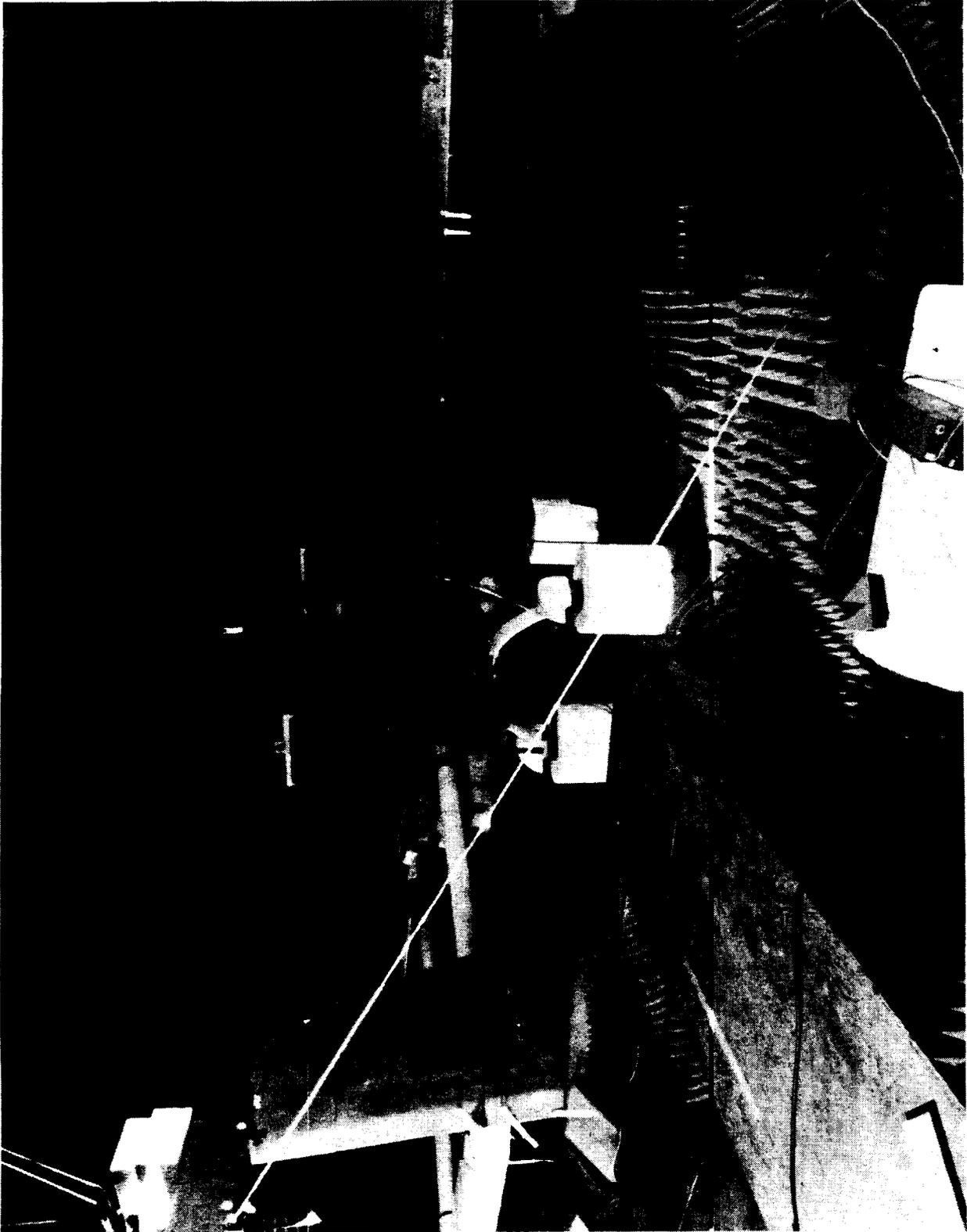
Sea Level Climatic Chamber



Reliability Test Facility



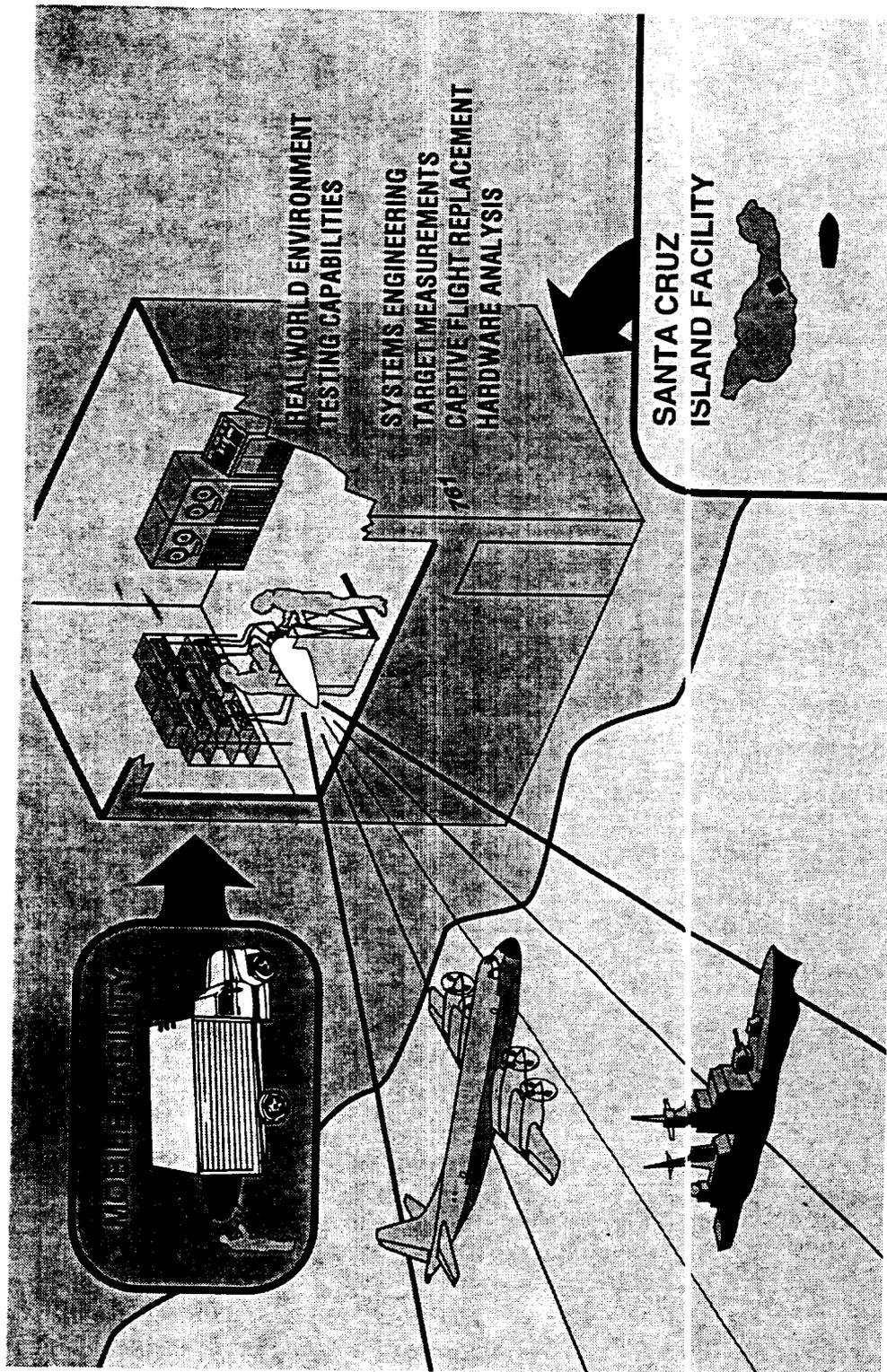
Environmental Test Facility

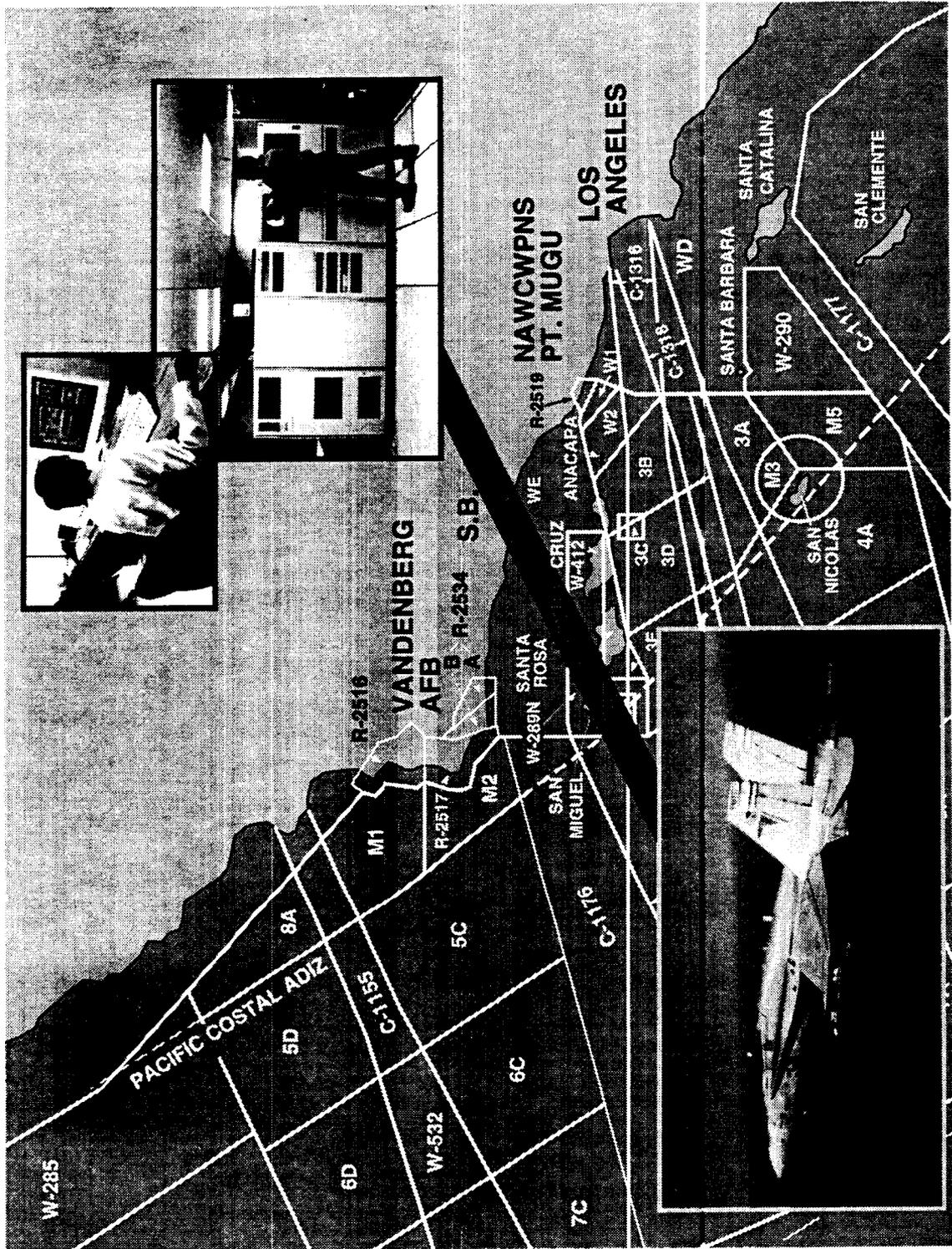


Electromagnetic Environment Effects Laboratory

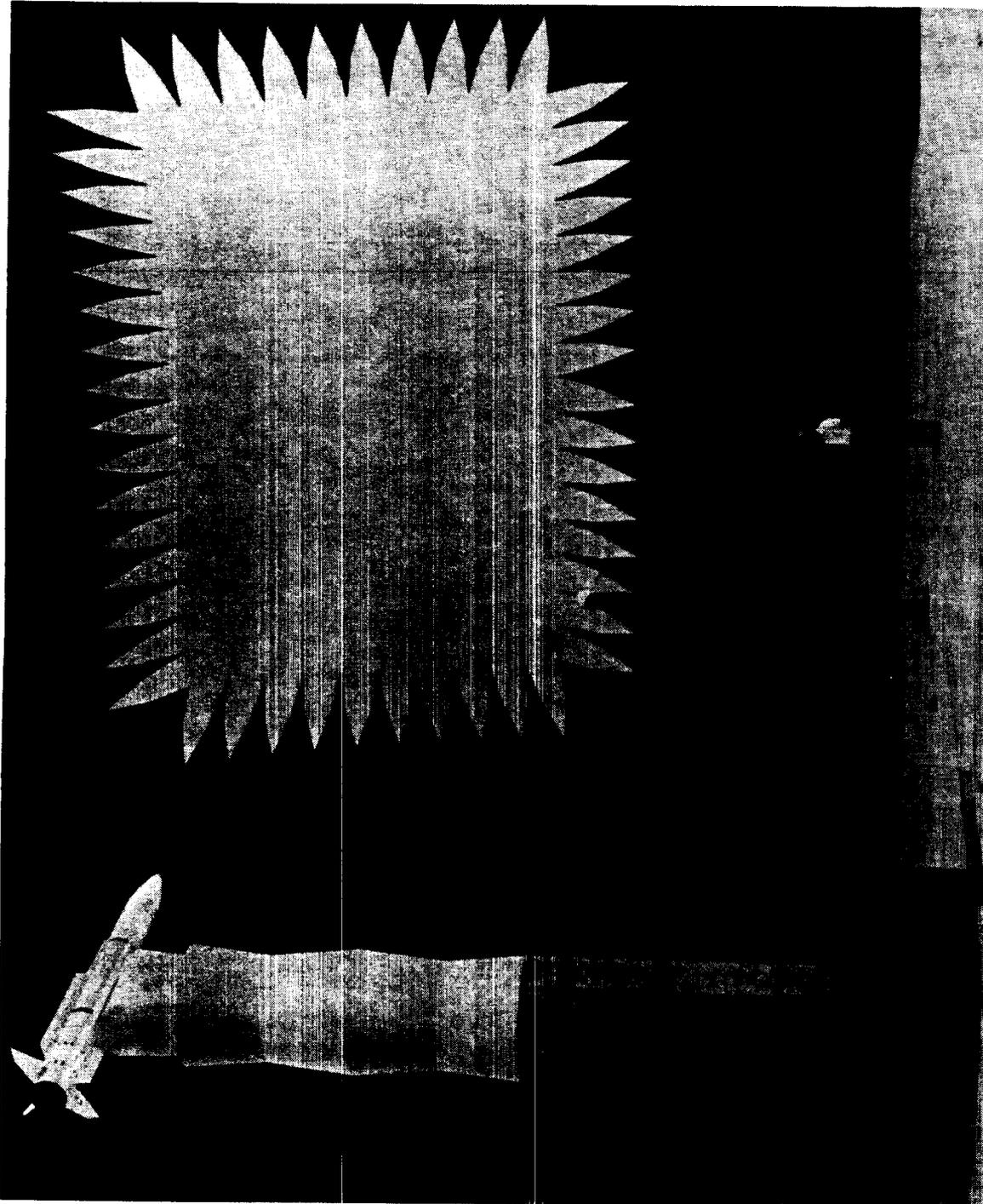


Ready Missile Test Facility

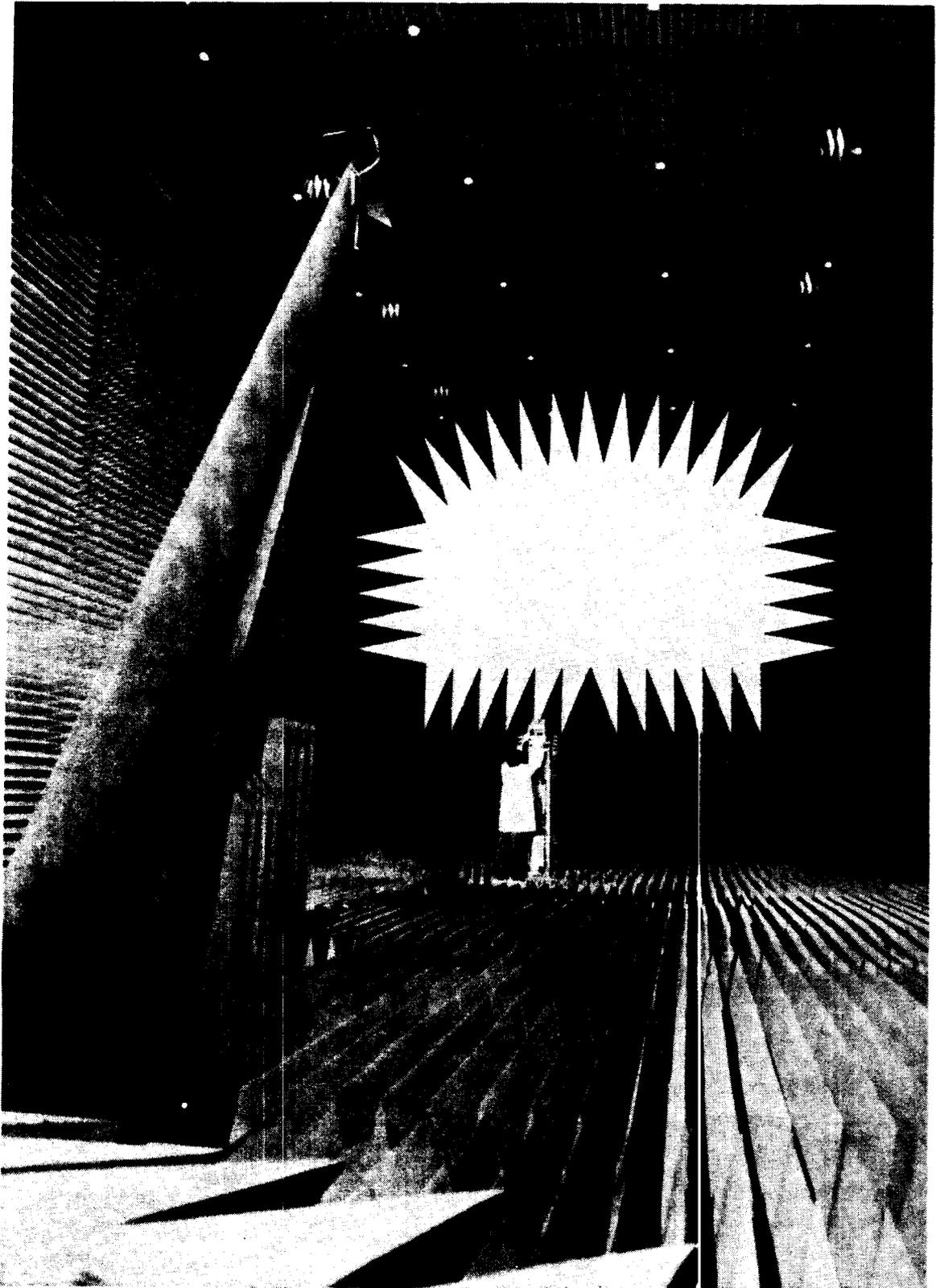




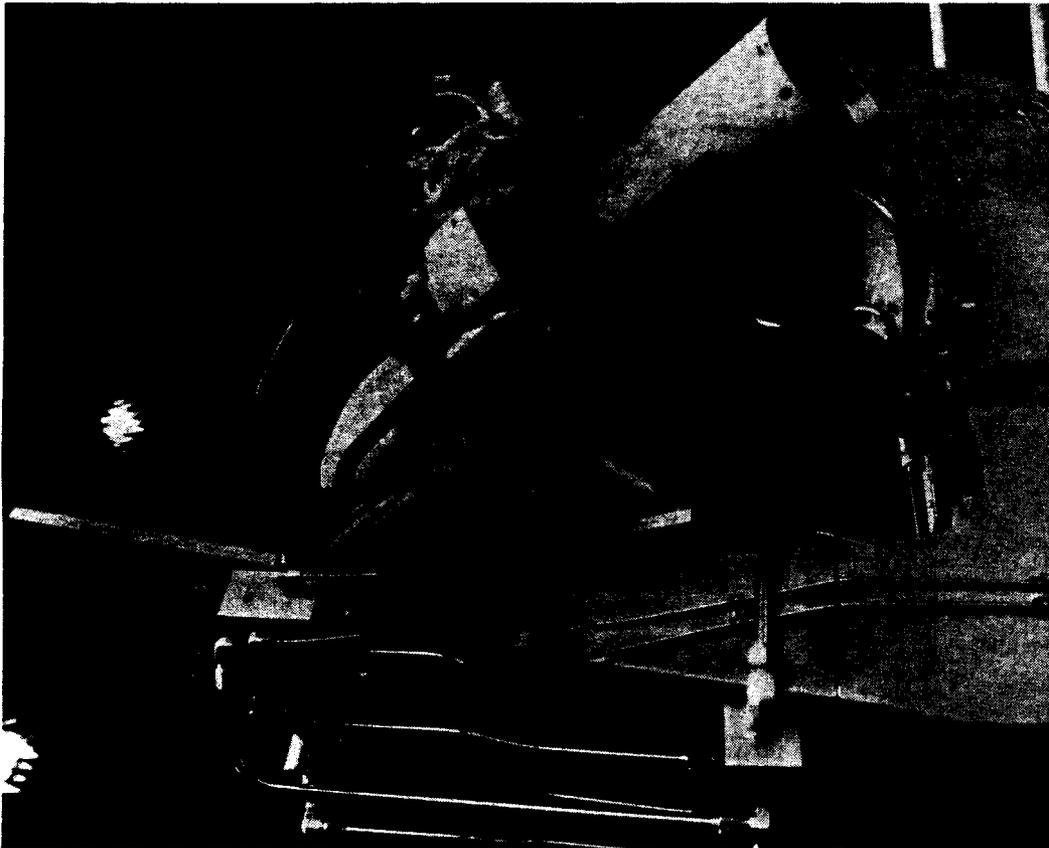
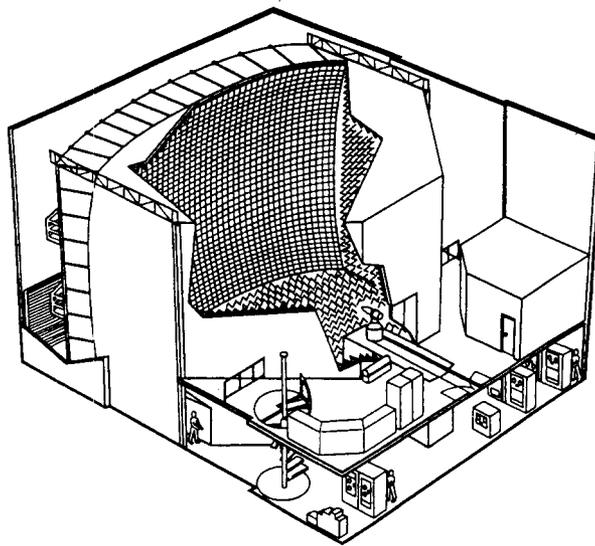
Sea Test Range



Bistatic Radar Reflectivity Laboratory



Monostatic Radar Reflectivity Facility



Missile Hardware-in-the-Loop.

**3.5 Expansion Potential**

**3.5.1 Laboratory Facilities:** *Use facilities records as of fourth-quarter FY93 in answering the following (in sq ft) for each CSF: (BRAC Criteria II)*

The following table lists the available space used by the laboratory function at Point Mugu. While there is little excess space identified, there is a significant capability to absorb additional, similar workload. The detailed information for the Sea Range is not included here; however, the range is available to provide additional significant support.

Common Support Function	Facility or Equipment Description	Type of Space*	Space Capacity (KSF)		
			Current	Used	Excess
Air Vehicle, Fixed Wing, Avionics		Technical	296	296	0
Weapons, Conventional Missiles/Rockets		Technical	34	34	2
C4I, Fixed Ground-Based C4I		Technical	7	7	0
C4I, Ground-Based Mobile C4I		Technical	4	4	0

\* Administrative, Technical, Storage, Utility

**CSF: Air Vehicle, Rotary, Avionics** - The space where this CSF is performed is within space that is also used to perform primary Air Vehicle, Fixed, Avionics.

**CSF: Weapons, Cruise** - The space where this CSF is performed is within space that is also used to perform primary T&E functions.

**CSF: Weapons, Bombs** - The space where this CSF is performed is within space that is also used to perform primary T&E functions.

**CSF: Weapons, Guns and Ammunition** - The space where this CSF is performed is within space that is also used to perform primary T&E functions.

**3.5.1.1 Expansion Capacity:** Describe the capacity of your activity to absorb additional similar workyears categorized in the same common support function with minor facility modification. If major modification is required, describe to what extent the facilities would have to be modified. (Use FY97 workyears as your requirement) (BRAC Criteria III)

	Expansion Potential (Lab hours)	Number of Additional Workyear Shifts*	Personnel R'qrd to Run Lab	Workyears	Total FY97 Workyears Expansion
<b>CSF: Air Vehicles, Fixed Wing, Avionics</b>					498
F-14 WSSA	33	0.8	188	155	
EA-6B Wpns Syst Supp Lab	106	2.7	83	220	
Elect. Combat Sim & Eval Lab	120	3.0	22	66	
Integrated Supp Sys Lab (ISSL)	113	2.8	20	57	
<b>CSF: Weapons, Conventional Missiles/Rockets</b>					100
Missile HWILs (4 Labs)	500	3.1	32	100	
<b>CSF: C4I, Fixed Ground-Based</b>					9
Information Warfare Systems Lab Complex	68	1.6	4	9	
<b>CSF: C4I, Ground-Based Mobile</b>					6
Information Warfare Systems Lab Complex	45	1.2	3	6	

\* 168 unconstrained Lab hours/week = 4.2 shifts maximum per lab.

### CSF: AIR VEHICLES, FIXED WING, AVIONICS

#### Facility: F-14 WSSA:

Unconstrained Resources Capacity	168 hrs per week
Expected Usage (FY97)	120 hrs per week
Downtime	15 hrs per week
Expansion Potential (Lab Hours)	33 hrs per week

Modifications required: No Minor facility requirements. Modification would entail construction of system level test workstations and several subsystem workstations to accommodate installation of

#### Facility: EA-6B Weapons Systems Support Laboratory

Unconstrained Resources Capacity	168 hrs per week
Expected Usage (FY97)	50 hrs per week
Downtime	12 hrs per week
Expansion Potential (Lab Hours)	106 hrs per week

Modifications required: New Avionics Engineering Workstations and Threat Simulation Capability - Minor facilities modification required (increased power and cooling). Potentially extensive cost for non-EA-6B avionics suites due to high cost of avionics. Dedicated Platform Specific Facility.

Facility: Electronic Combat Simulation and Evaluation Laboratory

Unconstrained Resources Capacity	168 hrs per week
Expected Usage (FY97)	35 hrs per week
Downtime	13 hrs per week
Expansion Potential (Lab Hours)	120 hrs per week

Modifications required: Threat Simulator (equipment) upgrades for any threats outside of existing system capability. New avionics spread benches for systems not presently supported. Minor facility modifications potentially required for increased power and cooling. Full lab hours extension possible with little or no modification required, however, present facility size constraints limit number of new EW suites which could be simultaneously supported to less than 10.

Facility: Integrated Support Systems Laboratory (ISSL)

Unconstrained Resources Capacity	168 hrs per week
Expected Usage (FY97)	40 hrs per week
Downtime	15 hrs per week
Expansion Potential (Lab Hours)	113 hrs per week

Modifications required: New avionics and platform data bus integration only. No known facility modifications required. Highly modifiable facility due to its construction.

**CSF: AIR VEHICLES, ROTARY, AVIONICS**

This CSF exists in T&E oriented spaces. There is no S&T expansion potential identified.

**CSF: WEAPONS, CONVENTIONAL MISSILES/ROCKETS**Facility: Missile Hardware-in-the-Loop Lab

Unconstrained Resources Capacity	672 hrs per week
Expected Usage (FY97)	128 hrs per week
Downtime	44 hrs per week
Expansion Potential (Lab Hours)	500 hrs per week

Modifications required: Minor facility modifications required to install rail-system for 3-axis flight table and power conditioning system.

**CSF: WEAPONS, CRUISE MISSILES**

This CSF exists in T&E oriented spaces. There is no S&T expansion potential identified.

**CSF: WEAPONS, BOMBS**

This CSF exists in T&E oriented spaces. There is no S&T expansion potential identified.

**CSF: WEAPONS, GUNS and AMMUNITION**

This CSF exists in T&E oriented spaces. There is no S&T expansion potential identified.

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LABS**

BRAC 95 DATA CALL #12

ACTIVITY UIC: 63126

**CSF: C4I, FIXED GROUND-BASED C4I (60%)  
C4I, GROUND-BASED MOBILE C4I (40%)**

Facility: Information Warfare Systems Laboratory Complex

Unconstrained Resources Capacity	168 hrs per week
Expected Usage (FY97)	80 hrs per week
Downtime	5 hrs per week
Expansion Potential (Lab Hours)	83 hrs per week

Modifications required: Minimal. Laboratories in their present condition are limited only by number of hours and number of simultaneous users. Any project utilizing Open Systems Architecture approach to systems development could utilize the complex on a space available basis. Interconnection to other laboratories is in place and expandable for additional usage requirements. It is likely that changing projects in the middle of the day would cause an additional (1-2 hours per day) downtime in order to reload software systems.

**3.5.1.2 Additional Supportable Workyears:** *If there is capacity to absorb additional workyears, how many additional workyears can be supported? (BRAC Criteria III)*

**CSF: AIR VEHICLE, FIXED WING, AVIONICS**

The space required to absorb the additional workyears is available in the immediate vicinity. The work years are estimated to be 358 workyears.

The F-14 WSSA has the office and laboratory space needed to absorb the additional workyears in the immediate vicinity. The work years are estimated to be 75 government and 80 contractor workyears.

**CSF: AIR VEHICLE, ROTARY, AVIONICS**

There is no S&T expansion potential proposed for this CSF.

**CSF: WEAPONS, CONVENTIONAL MISSILES/ROCKETS**

Missile HWIL - The space required to absorb the additional workyears is available in the immediate vicinity. The work years estimated on an unconstrained capacity are 360 government workyears and 40 contractor workyears.

**CSF: WEAPONS, CRUISE**

There is no S&T expansion potential proposed for this CSF.

**CSF: WEAPONS, BOMBS**

There is no S&T expansion potential proposed for this CSF.

**CSF: GUNS and AMMUNITIONS**

There is no S&T expansion potential proposed for this CSF.

**CSF: C4I, FIXED GROUND-BASED C4I**

The space required to absorb the additional workyears is available in the immediate vicinity. The workyears are estimated to be 9 government workyears.

**CSF: C4I, GROUND-BASED MOBILE C4I**

The space required to absorb the additional workyears is available in the immediate vicinity. The workyears are estimated to be 6 government workyears.

**3.5.1.3 Construction Projects:** *For 3.5.1.1 and 3.5.1.2 (above) describe the impact of military construction programs or other alteration projects programmed in the FY95 PBS. (BRAC Criteria II)*

**CSF: AIR VEHICLE, FIXED WING, AVIONICS**

MILCON PROJECT: P-031  
TITLE: RANGE OPERATIONS CENTER

MILCON PROJECT: P-904  
TITLE: STORAGE TANK FOR FUEL FARM, San Nicolas Island

MILCON PROJECT: P-061  
TITLE: SURFACE TARGETS DEVELOPMENT LAB, CBC SITE

MILCON PROJECT: P-773  
TITLE: READY MISSILE MAGAZINE

MILCON PROJECT: P-199  
TITLE: ADVANCED MULTIMODE MISSILE EVALUATION

**CSF: AIR VEHICLE, ROTARY, AVIONICS**

MILCON PROJECT: P-031  
TITLE: RANGE OPERATIONS CENTER

MILCON PROJECT: P-904  
TITLE: STORAGE TANK FOR FUEL FARM, San Nicolas Island

MILCON PROJECT: P-061  
TITLE: SURFACE TARGETS DEVELOPMENT LAB, CBC SITE

MILCON PROJECT: P-773  
TITLE: READY MISSILE MAGAZINE

**CSF: WEAPONS, CONVENTIONAL MISSILES/ROCKETS:**

MILCON PROJECT: P-031  
TITLE: RANGE OPERATIONS CENTER

MILCON PROJECT: P-061  
TITLE: SURFACE TARGETS DEVELOPMENT LAB, CBC SITE

MILCON PROJECT: P-773  
TITLE: READY MISSILE MAGAZINE

MILCON PROJECT: P-199  
TITLE: ADVANCED MULTIMODE MISSILE EVALUATION

**CSF: WEAPONS, CRUISE**

MILCON PROJECT: P-031  
TITLE: RANGE OPERATIONS CENTER

MILCON PROJECT: P-061  
TITLE: SURFACE TARGETS DEVELOPMENT LAB, CBC SITE

MILCON PROJECT: P-773  
TITLE: READY MISSILE MAGAZINE

MILCON PROJECT: P-199  
TITLE: ADVANCED MULTIMODE MISSILE EVALUATION

**CSF: WEAPONS, BOMBS**

MILCON PROJECT: P-031  
TITLE: RANGE OPERATIONS CENTER

MILCON PROJECT: P-773  
TITLE: READY MISSILE MAGAZINE

MILCON PROJECT: P-199  
TITLE: ADVANCED MULTIMODE MISSILE EVALUATION

**CSF: GUNS and AMMUNITIONS**

MILCON PROJECT: P-031  
TITLE: RANGE OPERATIONS CENTER

MILCON PROJECT: P-061  
TITLE: SURFACE TARGETS DEVELOPMENT LAB, CBC SITE

MILCON PROJECT: P-773  
TITLE: READY MISSILE MAGAZINE

MILCON PROJECT: P-199  
TITLE: ADVANCED MULTIMODE MISSILE EVALUATION

**CSF: C4I, FIXED GROUND-BASED C4I**

MILCON PROJECT: P-031  
TITLE: RANGE OPERATIONS CENTER

**CSF: C4I, GROUND-BASED MOBILE C4I**

MILCON PROJECT: P-031  
TITLE: RANGE OPERATIONS CENTER

FOR OFFICIAL USE ONLY  
LABS

BRAC 95 DATA CALL #12

ACTIVITY UIC: 63126

MILCON PROJECT: P-031  
SPONSOR/PROG. YR.: N091/FY98  
TITLE: RANGE OPERATIONS CENTER  
COST: \$9.8M  
SIZE: 32,920 SF  
TYPE: NEW

BLDG./SQ FT

REPLACEMENT:

DESCRIPTION: This project will provide a 32,920 square feet addition to the existing range operations center building; upgrade 19,820 square feet of the operation centers; and upgrade heads, roof, and facilities of the remaining 91,366 square feet of the building. An overhead secure cable way will connect the new addition to the range communications building.

The facility will be an addition to provide adequate space to meet range operating and data analysis requirements. Upgrading of the existing building that was built in 1953 (and designed to accommodate functions and equipment of that period) is required to provide real-time information to customers, including Foreign Military Sales customers, using the Sea Test Range for weapons systems operations.

The additional 32,920 square feet of space in this project will provide space for engineering personnel now occupying a like amount of space in several buildings remote from the site. It will also provide post-operation briefing facilities not available in the existing buildings. The addition will also provide properly-configured space for modern computer equipment. The space in the existing building that is inadequate for such use will be converted to operations functions.

PLANNED BENEFICIAL OCCUPANCY DATE: 2000

MILCON PROJECT: P-904  
SPONSOR/PROG. YR.: DLA-DFSC/FY96  
TITLE: STORAGE TANK FOR FUEL FARM, San Nicolas Island  
COST: \$750,000  
SIZE:  
TYPE:

BLDG./SQ FT

REPLACEMENT:

DESCRIPTION: This project will provide one 10,000-barrel (420,000 gallon) fuel tank at the receipt facility at San Nicolas Island in support of air operations. One of the three existing 1,000-barrel (42,000 gallon) tanks will be demolished upon completion of this project. Fuel is delivered to San Nicolas Island by barge. This project will enable deliveries to be reduced from eight-to-ten per year, to one or two per year. This project will increase the usable capacity of the receipt facility from under 3,000 barrels to over 11,000 barrels.

PROJECT AWAITING FUNDS TO AWARD DESIGN CONTRACT.

PLANNED BENEFICIAL OCCUPANCY DATE: June 1996.

FOR OFFICIAL USE ONLY

BRAC 95 DATA CALL #12

LABS

ACTIVITY UIC: 63126

MILCON PROJECT: P-061  
SPONSOR/PROG. YR.: N091/FY97  
TITLE: SURFACE TARGETS DEVELOPMENT LAB, CBC SITE  
COST: \$3.5M  
SIZE: 48,000 SF  
TYPE: NEW

BLDG./SQ FT

REPLACEMENT:

DESCRIPTION: This project will provide 24,000 square feet of development laboratory, 7,945 square feet of engineering laboratory, 7,055 square feet of electronics shop space, and 9,000 square feet of RDT&E storage laboratory. The new facility will support the Sea Range mission of weapons systems evaluation, testing, and fleet training worldwide.

The identified installed equipment will be as follows: HVAC; fire control and sprinkler systems; vault/storage room; work benches and cabinets.

PLANNED BENEFICIAL OCCUPANCY DATE: 1999

MILCON PROJECT: P-773  
SPONSOR/PROG. YR.: N091/FY99  
TITLE: READY MISSILE MAGAZINE  
COST: \$1.3M  
SIZE: 5,044 SF  
TYPE: NEW

BLDG./SQ FT

REPLACEMENT:

DESCRIPTION: This project will provide one modified standard Type A reinforced concrete Ready-for-Issue (RFI) magazine complete with retaining walls, earth cover, loading area, security lighting, and alarms. This magazine will have oversize steel doors for ready ingress and egress of all-up missiles. The facility will provide storage for fully assembled weapons and targets awaiting launch for programs assigned to this activity.

The built-in equipment alarms and lighting is specified in item 1. This project will add 5,044 square feet to the high explosive site located between two existing high explosive magazines with minimum adaptation required. PLANNED BENEFICIAL OCCUPANCY DATE: 2000

MILCON PROJECT: P-199  
SPONSOR/PROG. YR.: N88/FY97  
TITLE: ADVANCED MULTIMODE MISSILE EVALUATION  
LABORATORY  
COST: \$9.0M  
SIZE: 55,000 SF  
TYPE: NEW

BLDG./SQ FT

REPLACEMENT: N/A

DESCRIPTION: This project will provide secure, limited access, multi-story masonry building containing a HWIL simulation facility for evaluation of advanced missile systems. Facility will have an RF anechoic chamber, an EO/IR test laboratory, humidity control energy control monitoring system, and an automatic fire suppression system. This facility will support weapons systems evaluation and testing using HWIL evaluation of modern dual mode missiles which incorporate high frequency RF seekers. Many scenarios that are quite practical in the laboratory are often difficult or cost prohibitive to implement in a actual flight test.

EQUIPMENT OVER \$500,000: Phased Array (\$4.0M).

PLANNED BENEFICIAL OCCUPANCY DATE: 1999

**3.5.2 Land Use:** *Provide number of buildable acres for additional laboratory/administrative support construction at your installation. (BRAC Criteria II)*

**Main Base:** There are 190 buildable unconstrained acres on the main base and an additional 900 acres of buildable land with extreme constraints from environmental issues such as wetlands and endangered species.

**San Nicolas Island:** There are 670 buildable unconstrained acres on San Nicolas Island and an additional 6000 acres with constraints ranging from archeological sites to endangered species and operational constraints. Note that an additional constraint to construction on San Nicolas Island is the remoteness and the lack of waterfront operations facilities required to support major construction.

There are 190 buildable acres of unconstrained land available at Point Mugu and 670 buildable acres of unconstrained land available at San Nicolas Island to support additional construction requirements for the following CSFs:

AIR VEHICLE, FIXED, AVIONICS  
AIR VEHICLE, ROTARY, AVIONICS  
WEAPONS, CONVENTIONAL  
WEAPONS, CRUISE  
WEAPONS, BOMBS  
WEAPONS, GUNS and AMMUNITION  
C4I, FIXED, GROUND-BASED  
C4I, GROUND-BASED, MOBILE

**3.5.3 Utilities:** *Provide an estimate of your installation's capability to expand or procure additional utility services (electric, gas, water). Estimates should be provided in appropriate units -- e.g. KWH of electricity. (BRAC Criteria II)*

The utility systems at Point Mugu and San Nicolas Island are capable of handling the current load and have reserve capacity to handle expansion for the following CSFs:

AIR VEHICLE, FIXED, AVIONICS  
 AIR VEHICLE, ROTARY, AVIONICS  
 WEAPONS, CONVENTIONAL MISSILES/ROCKETS  
 WEAPONS, CRUISE MISSILES  
 WEAPONS, BOMBS  
 WEAPONS, GUNS and AMMUNITION  
 C4I, FIXED, GROUND-BASED  
 C4I, GROUND-BASED, MOBILE

Future expansion and growth can be accommodated without large expenditures of funds for major expansion of the utility systems. Point Mugu's investment in its infrastructure has allowed for excess capacity which can now be utilized to meet future demands.

#### Main Base

Electrical power is provided to Point Mugu by Southern California Edison (SCE). SCE's capacity is presently far greater than existing demand. In order to meet expansion of mission at Point Mugu, SCE would be able to deliver that excess capacity to Point Mugu. Currently SCE has excess capacity of 4,500,000 kW. This practically infinite supply would be provided at no additional cost to Point Mugu (simply pay the existing commercial rate for demand). Point Mugu's existing peak demand is only 13,000 kW. The on-base capacity is currently 44,000 kW. Point Mugu can easily quadruple the existing demand with some demand side management (for example, change pump operating schedules to non-peak times) at no additional cost.

Natural gas is provided to Point Mugu through contract with The Gas Company for housing core services and transportation of gas purchased through Defense Fuel Supply Center (DFSC) for commercial use. DFSC would simply contract for more gas supplies at the well head. The Gas Company would be able to provide transmission in excess of 260,000 CFH with their existing system. Point Mugu's existing peak demand is only 26,000 CFH. If a ten-fold increase in demand is required, we would be able to change out an existing meter, add regulators downstream, and distribute the 260,000 CFH with no significant changes to the infrastructure. The gas distribution systems to and throughout Point Mugu have sufficient capacity to accept significant additional growth.

Additionally, Point Mugu has been awarded numerous times for its energy efficiency. Heating systems are typically energy efficient natural gas. Point Mugu has no efficiency losses due to steam boiler plants and steam distribution leakage. A mild climate at Point Mugu allows for minimal heating and cooling requirements, further reducing energy requirements for future expansion.

Potable water is furnished to Point Mugu from United Water Conservation District (United) at a normal rate of 700,000 GPD. The contract includes no limits on delivery rates, and United has the potential of furnishing 5,800,000 gallons per day to the base without any changes to the existing infrastructure. Additionally, six wells at Point Mugu can provide potable water for mixing and emergency services. Point Mugu will also be receiving additional State Water supplies through a sub regional project.

R

~~Sewage treatment in the domestic final processing of the base's sewage effluent is processed by the Oxnard Wastewater Treatment Plant at the normal rate of 650,000 GPD. The base is processing a "clear" effluent to Oxnard due to initial and secondary treatment processes on station. Oxnard is capable of processing 8 times the amount of effluent received from the base without any changes to the existing infrastructure.~~

Point Mugu provides primary and secondary treatment of its sewage onboard the base. The "clear" effluent is sent via a force main to the Oxnard Wastewater Treatment plant at 260,000 GPD. Oxnard is capable of processing 12 times the amount of our sewage and our sewage treatment facility can also.

San Nicolas Island

San Nicolas Island provides its own power generation with five engine-generators. The combined capacity of the units is 3,500 kW. Current peak demand is only 1,050 kW. Additionally, demand-side management could be provided (changing pump operating schedules, etc. to non-peak times) to increase the capacity to well over three times existing demand.

Potable water for San Nicolas Island is a mixed blend of water produced from the Reverse Osmosis Plant, wells, and various natural springs. The new reverse osmosis plant will double the present generating capacity from 30,000 GPD to an available production of 60,000 GPD.

Domestic final processing of the station sewage effluent is collected by the station's sanitary sewer system and treated at the wastewater's treatment facility. The system is in good physical and operating condition and capable of processing 5 times the nominal 20,000 GPD processed with minor system modifications.

Sewage treatment in the domestic final processing of the base's sewage effluent is processed by the Oxnard Wastewater Treatment Plant at the normal rate of 650,000 GPD. The base is processing a "clear" effluent to Oxnard due to initial and secondary treatment processes on station. Oxnard is capable of processing 8 times the amount of effluent received from the base without any changes to the existing infrastructure.

### San Nicolas Island

San Nicolas Island provides its own power generation with five engine-generators. The combined capacity of the units is 3,500 kW. Current peak demand is only 1,050 kW. Additionally, demand-side management could be provided (changing pump operating schedules, etc. to non-peak times) to increase the capacity to well over three times existing demand.

Potable water for San Nicolas Island is a mixed blend of water produced from the Reverse Osmosis Plant, wells, and various natural springs. The new reverse osmosis plant will double the present generating capacity from 30,000 GPD to an available production of 60,000 GPD.

Domestic final processing of the station sewage effluent is collected by the station's sanitary sewer system and treated at the wastewater's treatment facility. The system is in good physical and operating condition and capable of processing 5 times the nominal 10,000 GPD processed with minor system modifications.



BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

*In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, Uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."*

*The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.*

*Each individual in you activity generating information for the BRAC-95 process must certify that information. Inclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.*

We have responded to the BRAC 95 Data Call #12 for Point Mugu per the instructions. However, it is essential to understand that the Naval Air Warfare Center Weapons Division (NAWCWENS) is a full-spectrum research, development, test, evaluation, and in-service engineering center for weapon systems associated with air warfare; missiles and missile subsystems, aircraft weapons integration, and assigned airborne electronic warfare systems. Naval Air Warfare Center Weapons Division as a total entity represents the work of more than 8,000 civilian employees and 1,300 military personnel. It is the Navy's complete repository of scientific and technical knowledge for air warfare systems, guided missiles, and aircraft/weapon integration and it is the host for the Navy's Air Weapons Operational Testing Squadrons. Naval Air Warfare Center Weapons Division constitutes the Department of Defense's largest weapons research and development laboratory and air, land and sea test range capability.

The primary sites of NAWCWENS are at China Lake and Point Mugu, California. A major detachment is operated as a tenant at the White Sands Missile Range. These sites operate with a truly integrated structure. Many organizational entities are spread across both sites. This organizational integration across sites and functional areas recognizes that research, development, test,

evaluation, and in-service engineering of weapon systems, is a critical mass of technical talent focused on all life cycle phases of this mission. A single support organization serves both sites, resulting in the most cost effective infrastructure. Although BRAC '95 Data Call #12 is provided separately for China Lake and Point Mugu as requested, the capabilities of both NAWCWPNS sites must be considered as an integrated whole; and the commonalty and synergy of the research and development with test and evaluation facilities and people had to be artificially split in order to respond to the separate data calls.

I certify the information contained herein is accurate and complete to the best of my knowledge and belief. This revision represents a complete rewrite of NAWCWPNS, China Lake BRAC '95 Data Call #12 which was submitted June 15, 1994 and should replace that document in its entirety.

ACTIVITY COMMANDER

D. B. McKinney, RADM, USN  
Name (Please type or print)

  
Signature

Commander  
Title

8/8/94  
Date

Naval Air Warfare Center Weapons Division Point Mugu  
Activity

DATA CALL #12 Change Pages  
15 Aug 94  
POINT MUGU pg 4, 11, 12,

PA dated 8-14-94  
P11 dated 8-11-94  
P12 dated 8-11-94

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

W. E. NEWMAN, RADM, USN  
NAME (Please type or print)  
Commander  
Title  
Naval Air Warfare Center  
Activity

W E Newman  
Signature

8/22/94  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

\_\_\_\_\_  
NAME (Please type or print)  
\_\_\_\_\_  
Title  
\_\_\_\_\_  
Activity

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

DONALD V. BOECKER, RADM USN  
~~WXXCXXX BONES XX RADM XX USN~~  
NAME (Please type or print)  
Commander (Acting)  
Title  
Naval Air Systems Command  
Activity

Donald V. Becker  
Signature

8/22/94  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)  
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W A EARNER

\_\_\_\_\_  
NAME (Please type or print)  
\_\_\_\_\_  
Title

W A Earner  
Signature

8/25/94  
Date

BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

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I certify the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

D. B. McKinney, RADM, USN  
Name (Please type or print)

  
Signature

Commander  
Title

8/15/94  
Date

Naval Air Warfare Center Weapons Division Point Mugu Site  
Activity

NAWCWD  
POINT MUSEV  
#12  
8/18/94 REV

UIC 63126

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

L. L. LUNDBERG  
NAME (Please type or print)  
ACTING COMMANDER  
Title  
NAVAL AIR WARFARE CENTER  
Activity

*L. L. Lundberg*  
Signature  
7/19/94  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

\_\_\_\_\_  
NAME (Please type or print)  
\_\_\_\_\_  
Title  
\_\_\_\_\_  
Activity

\_\_\_\_\_  
Signature  
\_\_\_\_\_  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

W. C. BOWES, VADM, USN  
NAME (Please type or print)  
COMMANDER  
Title  
NAVAL AIR SYSTEMS COMMAND  
Activity

*W. C. Bowes*  
Signature  
20 Sep 94  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

**DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)  
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)**

W. A. EARNER  
NAME (Please type or print)  
\_\_\_\_\_  
Title

*W. A. Earner*  
Signature  
9/21/94  
Date



DEPARTMENT OF THE NAVY  
NAVAL AIR WARFARE CENTER  
NAVAL AIR WARFARE CENTER HEADQUARTERS  
1421 JEFFERSON DAVIS HWY  
ARLINGTON VA 22243

IN REPLY REFER TO

1000  
Ser NAWC-21C/

SEP 16 1994

From: Commander, Naval Air Warfare Center  
To: Distribution

Subj: RELEASE OF BASE REALIGNMENT AND CLOSURE DATA CALL IN  
THE ABSENCE OF THE COMMANDER

1. During the period 19-21 September I will be on travel.
2. Mr. Lewis L. Lundberg, Technical Director, Naval Air Warfare Center, is designated as acting as Acting Commander during this period. As such, he is authorized to release completed Base Realignment and Closure Data Calls and to provide certification for the data calls.

  
W. E. NEWMAN

Distribution:  
COMNAVAIRWARCENWPNDIV  
COMNAVAIRWARCENACDIV  
NAVAIRWARTRASYS DIV



BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

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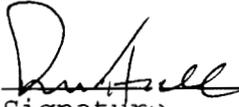
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I certify the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

Roger K. Hull, CAPT, USN  
Name (Please type or print)

  
Signature

Acting Commander  
Title

16 Sept 94  
Date

Naval Air Warfare Center Weapons Division Point Mugu Site  
Activity

Data Call #12 Revision of 18 August 1994

DATA CALL #12  
Revision of 21 Aug 94  
Point Mugu

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

W. E. NEWMAN, RADM, USN  
NAME (Please type or print)  
COMMANDER  
Title  
Naval Air Warfare Center  
Activity

W E Newman  
Signature  
8/23/94  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

\_\_\_\_\_  
NAME (Please type or print)  
\_\_\_\_\_  
Title  
\_\_\_\_\_  
Activity

\_\_\_\_\_  
Signature  
\_\_\_\_\_  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

W. C. BOWES, VADM, USN  
NAME (Please type or print)  
COMMANDER  
Title  
Naval Air Systems Command  
Activity

W C Bowes  
Signature  
29 AUG 94  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

**DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)  
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)**

W. A. EARNER  
NAME (Please type or print)  
\_\_\_\_\_  
Title

W A Earner  
Signature  
9/1/94  
Date

REVISION DATED 8-21-94

BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

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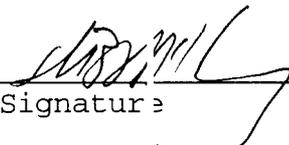
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I certify the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

D. B. McKinney, RADM, USN  
Name (Please type or print)

  
Signature

Commander  
Title

8/24/94  
Date

Naval Air Warfare Center Weapons Division Point Mugu Site  
Activity

Data Call #12 Revision of 21 August 1994

NAWCWD  
POINTMUGU  
#12

UIC 63126

9/13/94 REV

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

L. L. LUNDBERG  
NAME (Please type or print)  
ACTING COMMANDER  
Title  
NAVAL AIR WARFARE CENTER  
Activity

*L. L. Lundberg*  
Signature  
9/19/94  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

\_\_\_\_\_  
NAME (Please type or print)  
\_\_\_\_\_  
Title  
\_\_\_\_\_  
Activity

\_\_\_\_\_  
Signature  
\_\_\_\_\_  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

W. C. BOWES, VADM, USN  
NAME (Please type or print)  
COMMANDER  
Title  
NAVAL AIR SYSTEMS COMMAND  
Activity

*W. C. Bowes*  
Signature  
2.5.94  
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

**DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)  
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)**

W. A. EARNER  
NAME (Please type or print)  
\_\_\_\_\_  
Title

*W. A. Earner*  
Signature  
9/2/94  
Date

CONTAINED (w/ 9-13-94 REVISION



DEPARTMENT OF THE NAVY  
NAVAL AIR WARFARE CENTER  
NAVAL AIR WARFARE CENTER HEADQUARTERS  
1421 JEFFERSON DAVIS HWY  
ARLINGTON VA 22243

IN REPLY REFER TO

1000  
Ser NAWC-21C/

SEP 16 1994

From: Commander, Naval Air Warfare Center  
To: Distribution

Subj: RELEASE OF BASE REALIGNMENT AND CLOSURE DATA CALL IN  
THE ABSENCE OF THE COMMANDER

1. During the period 19-21 September I will be on travel.
2. Mr. Lewis L. Lundberg, Technical Director, Naval Air Warfare Center, is designated as acting as Acting Commander during this period. As such, he is authorized to release completed Base Realignment and Closure Data Calls and to provide certification for the data calls.

*W. E. Newman*  
W. E. NEWMAN

Distribution:  
COMNAVAIRWARCENWPNDIV  
COMNAVAIRWARCENACDIV  
NAVAIRWARTRASYS DIV



BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, Uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

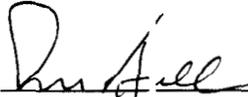
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in you activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

Roger K. Hull, CAPT, USN  
Name (Please type or print)

  
Signature

Acting Commander  
Title

16 Sept 94  
Date

Naval Air Warfare Center Weapons Division Point Mugu Site  
Activity

168

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

\_\_\_\_\_  
NAME (Please type or print)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

\_\_\_\_\_  
NAME (Please type or print)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

DONALD V. BOECKER, RADM USN

*Donald V. Boecker*

\_\_\_\_\_  
NAME (Please type or print)

\_\_\_\_\_  
Signature

COMMANDER (ACTING)

*21 Sep 94*

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

NAVAL AIR SYSTEMS COMMAND

\_\_\_\_\_  
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)  
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

**M. A. EARNER**

*M. A. Earner*

\_\_\_\_\_  
NAME (Please type or print)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

*9/21/94*  
\_\_\_\_\_  
Date

*original*

**BRAC-95 CERTIFICATION**

Reference: SECNAVNOTE 11000 of 08 December 1993

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I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

**ACTIVITY COMMANDER**

DONALD V. BOECKER, RADM USN

NAME (Please type or print)

Donald V. Boecker

Signature

COMMANDER (ACTING)

Title

21 Sep 94

Date

NAVAL AIR SYSTEMS COMMAND

Activity

CHANGES DATED 9-21-94

**BRAC-95 CERTIFICATION**

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

Karrie Ciavattone  
**NAME (Please type or print)**

BRAC 95 Coordinator  
**Title**

AIR09B  
**Division**

Base Realignment and Closure Program Office  
**Department**

Naval Air Systems Command  
**Activity**

Karrie Ciavattone  
**Signature**

21 Sept 94  
**Date**

Pen & Ink changes to POINT MUGU Data Call 12.

Enclosure (1)

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**DATA CALL 66  
INSTALLATION RESOURCES**

**Activity Information:**

Activity Name:	Naval Telecommunications Center (NTCC), Pt. Mugu, CA
UIC:	39048
Host Activity Name (if response is for a tenant activity):	Naval Air Weapons Station, Pt. Mugu
Host Activity UIC:	N0429A

**General Instructions/Background.** A separate response to this data call must be completed for each Department of the Navy (DON) host, independent and tenant activity which separately budgets BOS costs (regardless of appropriation), and, is located in the United States, its territories or possessions.

**1. Base Operating Support (BOS) Cost Data.** Data is required which captures the total annual cost of operating and maintaining Department of the Navy (DON) shore installations. Information must reflect FY 1996 budget data supporting the FY 1995 NAVCOMPT Budget Submit. Two tables are provided. Table 1A identifies "Other than DBOF Overhead" BOS costs and Table 1B identifies "DBOF Overhead" BOS costs. These tables must be completed, as appropriate, for all DON host, independent or tenant activities which separately budget BOS costs (regardless of appropriation), and, are located in the United States, its territories or possessions. Responses for DBOF activities may need to include both Table 1A and 1B to ensure that all BOS costs, including those incurred by the activity in support of tenants, are identified. If both table 1A and 1B are submitted for a single DON activity, please ensure that no data is double counted (that is, included on both Table 1A and 1B). The following tables are designed to collect all BOS costs currently budgeted, regardless of appropriation, e.g., Operations and Maintenance, Research and Development, Military Personnel, etc. Data must reflect FY 1996 and should be reported in thousands of dollars.

**a. Table 1A - Base Operating Support Costs (Other Than DBOF Overhead).** This Table should be completed to identify "Other Than DBOF Overhead" Costs. Display, in the format shown on the table, the O&M, R&D and MPN resources currently budgeted for BOS services. O&M cost data must be consistent with data provided on the BS-1 exhibit. Report only direct funding for the activity. Host activities should not include reimbursable support provided to tenants, since tenants will be separately reporting these costs. Military personnel costs should be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Add additional

**DATA CALL 66  
INSTALLATION RESOURCES**

lines to the table (following line 2j., as necessary, to identify any additional cost elements not currently shown). Leave shaded areas of table blank.

<b>Table 1A - Base Operating Support Costs (Other Than DBOF Overhead)</b>			
<b>Activity Name: NTCC POINT MUGU, CA</b>			<b>UIC: 39048</b>
Category	FY 1996 BOS Costs (\$000)		
	Non-Labor	Labor	Total
<b>1. Real Property Maintenance Costs:</b>			
1a. Maintenance and Repair	7.5		7.5
1b. Minor Construction			
<b>1c. Sub-total 1a. and 1b.</b>	<b>7.5</b>		<b>7.5</b>
<b>2. Other Base Operating Support Costs:</b>			
2a. Utilities	56.2		56.2
2b. Transportation	3.1		3.1
2c. Environmental			
2d. Facility Leases			
2e. Morale, Welfare & Recreation			
2f. Bachelor Quarters			
2g. Child Care Centers			
2h. Family Service Centers			
2i. Administration			
2j. Other (Specify) Phones	4.1		4.1
<b>2k. Sub-total 2a. through 2j.:</b>	<b>63.4</b>		<b>63.4</b>
<b>3. Grand Total (sum of 1c. and 2k.):</b>	<b>70.9</b>		<b>70.9</b>

**DATA CALL 66  
INSTALLATION RESOURCES**

**b. Funding Source.** If data shown on Table 1A reflects more than one appropriation, then please provide a break out of the total shown for the "3. Grand-Total" line, by appropriation:

<u>Appropriation</u>	<u>Amount (\$000)</u>
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**c. Table 1B - Base Operating Support Costs (DBOF Overhead).** This Table should be submitted for all current DBOF activities. Costs reported should reflect BOS costs supporting the DBOF activity itself (usually included in the G&A cost of the activity). For DBOF activities which are tenants on another installation, total cost of BOS incurred by the tenant activity for itself should be shown on this table. It is recognized that differences exist among DBOF activity groups regarding the costing of base operating support: some groups reflect all such costs only in general and administrative (G&A), while others spread them between G&A and production overhead. Regardless of the costing process, all such costs should be included on Table 1B. The Minor Construction portion of the FY 1996 capital budget should be included on the appropriate line. Military personnel costs (at civilian equivalency rates) should also be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Also ensure that there is no duplication between data provided on Table 1A. and 1B. These two tables must be mutually exclusive, since in those cases where both tables are submitted for an activity, the two tables will be added together to estimate total BOS costs at the activity. Add additional lines to the table (following line 21., as necessary, to identify any additional cost elements not currently shown). **Leave shaded areas of table blank.**

**Other Notes:** All costs of operating the five Major Range Test Facility Bases at DBOF activities (even if direct RDT&E funded) should be included on Table 1B. Weapon Stations should include underutilized plant capacity costs as a DBOF overhead "BOS expense" on Table 1B..

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INSTALLATION RESOURCES**

<b>Table 1B - Base Operating Support Costs (DBOF Overhead)</b>			
<b>Activity Name: NTCC POINT MUGU, CA</b>			<b>UIC: 39048</b>
Category	FY 1996 Net Cost From UC/FUND-4 (\$000)		
	Non-Labor	Labor	Total
<b>1. Real Property Maintenance Costs:</b>			
1a. Real Property Maintenance (> \$15K)			
1b. Real Property Maintenance (< \$15K)			
1c. Minor Construction (Expensed)			
1d. Minor Construction (Capital Budget)			
<b>1c. Sub-total 1a. through 1d.</b>			
<b>2. Other Base Operating Support Costs:</b>			
2a. Command Office			
2b. ADP Support			
2c. Equipment Maintenance			
2d. Civilian Personnel Services			
2e. Accounting/Finance			
2f. Utilities			
2g. Environmental Compliance			
2h. Police and Fire			
2i. Safety			
2j. Supply and Storage Operations			
2k. Major Range Test Facility Base Costs			
2l. Other (Specify)			
<b>2m. Sub-total 2a. through 2l:</b>			
<b>3. Depreciation</b>			
<b>4. Grand Total (sum of 1c., 2m., and 3.):</b>	<b>0</b>	<b>0</b>	<b>0</b>

**DATA CALL 66  
INSTALLATION RESOURCES**

**2. Services/Supplies Cost Data.** The purpose of Table 2 is to provide information about projected FY 1996 costs for the purchase of services and supplies by the activity. (Note: Unlike Question 1 and Tables 1A and 1B, above, this question is not limited to overhead costs.) The source for this information, where possible, should be either the NAVCOMPT OP-32 Budget Exhibit for O&M activities or the NAVCOMPT UC/FUND-1/IF-4 exhibit for DBOF activities. Information must reflect FY 1996 budget data supporting the FY 1996 NAVCOMPT Budget Submit. Break out cost data by the major sub-headings identified on the OP-32 or UC/FUND-1/IF-4 exhibit, disregarding the sub-headings on the exhibit which apply to civilian and military salary costs and depreciation. Please note that while the OP-32 exhibit aggregates information by budget activity, this data call requests OP-32 data for the activity responding to the data call. Refer to NAVCOMPTINST 7102.2B of 23 April 1990, Subj: Guidance for the Preparation, Submission and Review of the Department of the Navy (DON) Budget Estimates (DON Budget Guidance Manual) with Changes 1 and 2 for more information on categories of costs identified. Any rows that do not apply to your activity may be left blank. However, totals reported should reflect all costs, exclusive of salary and depreciation.

<b>Table 2 - Services/Supplies Cost Data</b>	
<b>Activity Name:</b> NTCC POINT MUGU, CA	<b>UIC:</b> 39048
Cost Category	FY 1996 Projected Costs (\$000)
<b>Travel:</b>	3.0
<b>Material and Supplies (including equipment):</b>	5.1
<b>Industrial Fund Purchases (other DBOF purchases):</b>	
<b>Transportation:</b>	
<b>Other Purchases (Contract support, etc.):</b>	3.9
<b>Total:</b>	12.0

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INSTALLATION RESOURCES**

**3. Contractor Workyears.**

**a. On-Base Contract Workyear Table.** Provide a projected estimate of the number of contract workyears expected to be performed "on base" in support of the installation during FY 1996. Information should represent an annual estimate on a full-time equivalency basis. Several categories of contract support have been identified in the table below. While some of the categories are self-explanatory, please note that the category "mission support" entails management support, labor service and other mission support contracting efforts, e.g., aircraft maintenance, RDT&E support, technical services in support of aircraft and ships, etc. N/A

<b>Table 3 - Contract Workyears</b>	
<b>Activity Name: NTCC POINT MUGU, CA</b>	<b>UIC: 39048</b>
<b>Contract Type</b>	<b>FY 1996 Estimated Number of Workyears On-Base</b>
Construction:	
Facilities Support:	
Mission Support:	
Procurement:	
Other:*	
<b>Total Workyears:</b>	<b>0</b>

\* Note: Provide a brief narrative description of the type(s) of contracts, if any, included under the "Other" category.

**DATA CALL 66  
INSTALLATION RESOURCES**

**b. Potential Disposition of On-Base Contract Workyears.** If the mission/functions of your activity were relocated to another site, what would be the anticipated disposition of the on-base contract workyears identified in Table 3.?

1) Estimated number of contract workyears which would be transferred to the receiving site (This number should reflect the number of jobs which would in the future be contracted for at the receiving site, not an estimate of the number of people who would move or an indication that work would necessarily be done by the same contractor(s)):

N/A

2) Estimated number of workyears which would be eliminated:

N/A

3) Estimated number of contract workyears which would remain in place (i.e., contract would remain in place in current location even if activity were relocated outside of the local area):

N/A

**DATA CALL 66  
INSTALLATION RESOURCES**

**c. "Off-Base" Contract Workyear Data.** Are there any contract workyears located in the local community, but not on-base, which would either be eliminated or relocated if your activity were to be closed or relocated? If so, then provide the following information (ensure that numbers reported below do not double count numbers included in 3.a. and 3.b., above):

No. of Additional Contract Workyears Which Would Be Eliminated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
0	

No. of Additional Contract Workyears Which Would Be Relocated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
0	

INSTALLATION RESOURCES, DATA CALL 66 for COMNAVCOMTELCOM

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print)

Signature

Title

Date

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

(Please type or print)

Signature

Name

Title

Date

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

T. A. STARK

Name (Please type or print)

Signature

Commander,

Title

25 Aug 1994

Date

Naval Computer and

Telecommunications Command

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)  
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER

NAME (Please type or print)

Signature

Title

Date

Enclosure (2)