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**MILITARY VALUE ANALYSIS:
DATA CALL WORK SHEET FOR
OPERATIONAL/RESERVE AIR STATION: NAS MIRAMAR**

**Category Operational Support
Sub-category Operational and Reserve Air Stations
Types Navy and Marine Corps Operational and Reserve Air Stations and
Facilities**

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

Maps Held In
Original

Data for Military Value Analysis

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Mission Requirements

1. List the types and number of transient aircraft/detachments supported at this air station during FY 93 and describe the training and/or military missions conducted by these aircraft while stationed here. If supporting transient aircraft/detachments is a major mission, attach detailed schedules for the 1st & 2nd quarters FY 94.

Table 1.1 Transient Aircraft

Types of Aircraft/Unit Name/T/M/S	Description of Frequency, Quantity and Primary Mission
VA-122 4/F-18	3-4 times annually. Adversary training, battle group exercises, weapons training.
CNATRA 24/A4	1-2 times annually. CNATRA CQ.
CNATRA 24/T2	1-2 times annually. CNATRA CQ.
NFWs 16/F18	4 times annually. ACM/weapons training.
PAX River E-2	4 times annually. Battle group/carrier exercises.
ANG F-16	annually. Adversary training, weapons training.
VMFAT101 12/F18	2 times annually. Weapons training.
61FS 8/F-16	2 times annually. Adversary/ACM training.
62FS 8/F-16	2 times annually. Adversary/ACM training.
63FS 8/F-16	2 times annually. Adversary/ACM training.
VA128 5/A-6	4 times annually. FRS CQ
VAQ129 6/EA6B	4 times annually. FRS CQ
VF202 8/F-14	2 times annually. Adversary/weapons training.
VF201 6/F-14	2 times annually. Adversary/weapons training.
VAQ309 6/EA6B	4-5 times annually. Battle group/carrier exercises.
VA304 6/A6	4-5 times annually. Battle group/carrier exercises.
VFA303 6/F18	4-5 times annually. Battle group/carrier exercises.
VAW78 2/E2	2 times annually. Battle group/carrier exercises.
VAQ139 4/EA6B	3 times annually.
Canada 416 6/F18	annually. Adversary/weapons/ACM training
VAQ131 4/EA6B	annually. Battle group/carrier exercises.
425FS	annually. Adversary training.

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VP66 P3	3-4 times annually. Battle group/carrier exercises.
VFA137 6/F18	annually. Battle group/carrier exercises.

2.a. List the training ranges (including land areas used for tactical or infantry training), outlying airfields, auxiliary airfields and airspace that are actively managed (scheduled or controlled) by the air station.

Refer to capacity data call (DC 16) item 12b for UIC N60259 and item 13a.

Table 2.1 Training Management

Managed Training Assets	Management Role

2.b. List other candidate installations (DoD and non-DoD) that could be considered for performing these management duties.

Table 2.2 Other Installations

Installation	Agency	Reason for Consideration
Camp Pendleton	Marines	Use of existing rifle and pistol ranges.
Camp Pendleton	Marines	Use of tactical areas.
North Island	Navy	Use of airfield
Imperial Beach	Navy	Use of landing field
Barstow	Marines	Use of tactical areas
El Centro	Navy	Use of airfield
March	Air Force	Use of airfield
29 Palms	Marines	Use of airfield and tactical areas
Montgomery	Civilian	Use of airfield
Brown	Civilian	Use of airfield
Lindbergh	Civilian	Use of airfield
Yuma	Marines	Use of airfield

General Military Support

3.a. Does this air station directly support a military or civilian area control and surveillance mission (i.e., FACSFAC, FAA support)? If so, provide details of your level of support.

Yes. FAA Approach Control Facility. Southwest Region Facility located on NAS Miramar property. The ASR-9 radar is located on NAS Miramar.

3.b. Over the foreseeable future, is this mission requirement expected to decrease, increase, or remain the same?

Remain the Same.

3.c. List all other installations (DoD and Non-DoD) that could potentially support this mission.
None.

4.a. Describe the role this air station plays in the Logistics Support and Mobilization Plan (LSMP)?

NAS Miramar provides airfield facilities for the staging/packing/loading/departure of aircraft used in the mobilization plan. Support is for Navy, U.S. Marine Corp and U.S. Air Force assets.

4.b. Over the foreseeable future, is this mission requirement expected to decrease, increase, or remain the same?

Expected to increase. The reason for the increase is the basing of Marine Corp squadrons, both fixed and rotary wing, at NAS Miramar. The largest increase can be attributed to the increase in personnel when the airfield is transferred to the Marine Corp.

4.c. List all other installations (DoD and Non-DoD) that could potentially support this mission.

Lindbergh Field, San Diego, Ca; NAS North Island; NAF El Centro.

5. List any other military support missions currently conducted at/from this air station (i.e., port of embarkation for USMC personnel).

Port of embarkation for National Guard troops.
Space Shuttle divert field; disaster response airfield; federal prisoner transfer point; and General Dynamics support for the shipment of the ATLAS Booster rocket.

6. Are any new military missions planned for this air station?

Rotary wing operations will be introduced to NAS Miramar; port of embarkation for USMC troops. Realignment to MCAS will add additional Marine Corp peculiar missions.

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7.a. List all ground combat or special operations units (not previously mentioned in your Capacity Data Call)that train at, operate from, or mobilize to this air station.

Table 7.1 Ground Combat or Special Operations Units

Ground Unit	Training Function / Facilities Used
6220th US Army Reserve School	ISSA #035, Training E. Miramar
63rd US Army Reserve Command	ISSA #056, TR FAC, 129th Evac Hospital
San Diego Air Nat. Guard CTR-147th	ISSA #077, Tactical Comm.
Defense Nuclear Agency	ISSA #080, HI Expl. Testing, SYC Canyon
Dept. of the Army 1st PSY OPS Co.	ISSA #083, Training E. Miramar
CDR Training CMD, US PACFLT	ISSA #097, Training E. Miramar
Army ROTC	ISSA #099, Training E. Miramar
CA Army Nat. Guard, CO B 240 SB	ISSA \$102, Training E. Miramar
CA Army Nat. Guard, 3rd BN 185 Armor	ISSA #108, Training E. Miramar
San Diego Sheriff Dept	ISSA #115, Training E. Miramar

Marine Units currently on board NAS Miramar have not yet fully utilized facilities.

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7.b. List all other operational units (not previously mentioned in your Capacity Data Call) that train at, operate from, or mobilize to this air station.

Table 7.2 Other Units

Operational Unit	Training Function / Facilities Used
None	

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7.a. List all ground combat or special operations units (not previously mentioned in your Capacity Data Call)that train at, operate from, or mobilize to this air station.

Table 7.1 Ground Combat or Special Operations Units

Ground Unit	Training Function / Facilities Used
None.	

7.b. List all other operational units (not previously mentioned in your Capacity Data Call) that train at, operate from, or mobilize to this air station.

Table 7.2 Other Units

Operational Unit	Training Function / Facilities Used
None	

7.c. List all Joint (non-DON) units (not previously mentioned in your Capacity Data Call) that train at, operate from, or mobilize to this air station.

Table 7.3 Joint Units

Operational Unit	Training Function / Facilities Used
U.S. Army Medical Department	Veterinary Clinic/M248
FAA	RATCC Center/K211
California Air National Guard	Applied Instructor, Auto Vehicle Maintenance Noncomb. Bldgs 1 and 2.
MCRTC - Fourth Tank Battalion	Reserve/E-14, 1300, 1301
NCMRC	Reserve Training/1300, 1301
2nd Battalion, 185th Armor, California	Training/East Miramar Training Area
Company "C" 540th Maintenance Battalion, California Army National Guard	Training/East Miramar Training Area
U.S. Army Reserve Units - 316th QM/Corps	Training/East Miramar Training Area
U.S. Army Reserve Units - 129th Hospital Evacuation	Training/East Miramar Training Area

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U.S. Army Reserve Units - 12th Special Forces Group	Training/East Miramar Training Area
U.S. Army Reserve Units - 6220th Reserve Unit	Training/East Miramar Training Area
U.S. Army Reserve Units - 7th Infantry Division Evacuation Hospital	Training/East Miramar Training Area
1st Marine Expeditionary Force (Camp Pendleton)	Training/East Miramar Training Area
U.S. Army Corps of Engineers Los Angeles District	Ordnance Removal/East Miramar

8. Does the air station or its tenants have any requirements to support training of other Navy and Marine Corps forces or non-DON Joint forces (e.g., ground force training, battle group exercise, etc.)

Table 8.1 Forces Supported

Forces	Location / Distance	Type of Support	Frequency
Navy	110 NM	Aggressor support for battle group/ carrier exercises.	6 times annually
All services	90 NM	Support for the Naval Fighter Weapons School	9 classes annually
Navy	110 NM	Fleet/Training Command Carrier Qualifications	8 times annually
Fleet Electronic Warfare Group		Training support at East Miramar	as required
1st Marine Amphibious Force		Marshalling and staging exercises	as required
Naval Amphibious School		Training support at East Miramar	as required
Naval Special Warfare Group 1		Training support at East Miramar	as required
EOD Mobile Unit 3		Demolition area in East Miramar	as required
63rd US Army Reserve Command		Training facilities of 129th, 7th Evacuation Hospital in East Miramar	as required

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Company C, 540th Maintenance Battalion, California ANG		Training support at East Miramar	as required
14th Combat Communication Squadron ANGS		Training support at East Miramar	as required
Marine Corps Reserve Training Center		Training support at East Miramar	as required
Naval Inshore Undersea Warfare Group 1		Training support at East Miramar	as required
6220th US Army Reserve School		Training support at East Miramar	as required

9.a. Does the air station have a role in a disaster assistance plan, search, and rescue or local evacuation plan? If so, describe.

1. NAS Miramar has been assigned as coordinator for disaster assistance to Federal, DOD, State, County, and local communities due to geographical location.

2. The Federal Emergency Management Agency (FEMA) has designated NAS Miramar as west coast point of embarkation/debarkation for the Federal Urban Search and Rescue Task Force Operations.

3. Local business, schools, hospitals, state and county agencies have NAS Miramar listed as the primary muster/evacuation site in the event of any Natural or Man-Made disaster requiring relocation of homeless and/or injured.

4. NAS Miramar is the major logistical support facility for natural and manmade disasters in the Southern California region. NAS Miramar provides ground support in Search and Rescue Operations in San Diego.

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5. NAS Miramar's Federal Fire Department (FFD) is integrated in the automatic aid system for structural and brush fires within a 10 mile radius of NAS Miramar. FFD also supports Montgomery Airport when required.

9.b. Does the air station provide any direct meteorological support to local civilian, governmental or military agencies? If so, describe.

The Naval Pacific Meteorology and Oceanography Detachment Miramar provides pre-flight/in-flight weather briefings to local and transient aircrew. Regional Weather Radar Facility located on NAS Miramar for use by the National Weather Service.

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3rd Battalion, 185th Armor, California ANG		Training support at East Miramar	as required
Company C, 540th Maintenance Battalion, California ANG		Training support at East Miramar	as required
14th Combat Communication Squadron ANG		Training support at East Miramar	as required
Marine Corps Reserve Training Center		Training support at East Miramar	as required
Naval Inshore Undersea Warfare Group 1		Training support at East Miramar	as required
6220th US Army Reserve School		Training support at East Miramar	as required

9.a. Does the air station have a role in a disaster assistance plan, search, and rescue or local evacuation plan? If so, describe.

1. NAS Miramar has been assigned as coordinator for disaster assistance to Federal, DOD, State, County, and local communities due to geographical location.

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3. Local business, schools, hospitals, state and county agencies have NAS Miramar listed as the primary muster/evacuation site in the event of any Natural or Man-Made disaster requiring relocation of homeless and/or injured.

9.b. Does the air station provide any direct meteorological support to local civilian, governmental or military agencies? If so, describe.

The Naval Pacific Meteorology and Oceanography Detachment Miramar provides pre-flight/in-flight weather briefings to local and transient aircrew. Regional Weather Radar Facility located on NAS Miramar for use by the National Weather Service.

10.a. Does this air station currently have any special non-DoD or civilian support missions (i.e., counter-drug, scientific support)? If so, describe.

Federal Prisoner Transfer, B-727; ATLAS Booster Rocket transfer site, C-5; Space Shuttle divert field; electric gun testing.

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10.b. If applicable, give the type and number of aircraft based at your air station that conduct these operations (10.a.) and the total number of sorties flown during FY 1993 in support of these operations. N/A

Table 10.1 Support Operations

Aircraft Type	Number of Aircraft	# Sorties Flown in FY 1993
N/A		

10.c. If applicable, list the facilities, special equipment (e.g., radar surveillance systems) and personnel at your air station that directly support these operations. N/A

Table 10.2 Supporting Equipment

Equipment/Facility /Personnel	Function
N/A	

11. Are any new civilian or other non-DoD missions planned for this air station? If so, describe. None.

Facilities

Air Space and Flight Training Areas

12. List all areas for special use routinely used by aviation units or squadrons assigned to your air station. For each piece of airspace, provide the following data:

Airspace Designator: W-289

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) **Warning Area**
- b. Dimensions (nmi. x nmi. x ft of altitude) **165NM X 75NM, sfc - unlimited**
- c. Distance from main airfield **110NM**
- d. Time en route from main airfield **20 minutes**
- e. Controlling agency **FAA ARTCC, Los Angeles Center**
- f. Scheduling agency **Commander, Naval Air Warfare Center Weapons Division, PT Mugu**
- g. Are canned/stereo airways needed to access air space? **No. One stereo route is available.**
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **Yes**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **None**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **LA ARTCC route C1318H**
- l. Number of sorties flown in FY 1993 **Data not available**
 - By Navy/USMC
 - By other services (including reserves and national guard)

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- m. Percent of sorties cancelled due to weather. **5 percent**
- n. Number of available hours in FY 1993 **8,088**
- o. Number of scheduled hours in FY 1993 **7,896**
 - By Navy/USMC **Data not available**
 - By other services (including reserves and national guard) **Data not available**
- p. Number of hours used **3,754**
 - By Navy/USMC **Data not available**
 - By other services (including reserves and national guard) **Data not available**
- q. Types of training permitted **Numerous types of tactical/weapons training.**
- r. Is the training within this airspace affected by environmental issues? If so, how? **None**

Airspace Designator: W-291

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) **Warning Area**
- b. Dimensions (nmi. x nmi. x ft of altitude) **206,000 sq mi, sfc - FL800**
- c. Distance from main airfield **25 NM to eastern boundary.**
- d. Time en route from main airfield **5 minutes**
- e. Controlling agency **FACSFAC San Diego**
- f. Scheduling agency **FACSFAC San Diego**
- g. Are canned/stereo airways needed to access air space? **No. Five stereo routes are available.**
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **Yes**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **None**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **C1177, C1156**
- l. Number of sorties flown in FY 1993 **53,709**
 - By Navy/USMC **Data not available**
 - By other services (including reserves and national guard) **Data not available**
- m. Percent of sorties cancelled due to weather. **unknown**
- n. Number of available hours in FY 1993 **8,760**
- o. Number of scheduled hours in FY 1993 **Data not available**
 - By Navy/USMC **Data not available**
 - By other services (including reserves and national guard) **Data not available**
- p. Number of hours used **8,760**
 - By Navy/USMC **Data not available**
 - By other services (including reserves and national guard) **Data not available**
- q. Types of training permitted **Numerous tactical/weapons training**
- r. Is the training within this airspace affected by environmental issues? If so, how? **NO**

Airspace Designator: R-2301 E/W

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) **Restricted Area**
- b. Dimensions (nmi. x nmi. x ft of altitude) **85NM X 70NM X 55 NM, sfc - FL800**
- c. Distance from main airfield **135 NM**
- d. Time en route from main airfield **35 minutes**

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- e. Controlling agency **R-2301E, FAA ARTCC Albuquerque; R-2301W, FAA ARTCC Los Angeles**
- f. Scheduling agency **R-2301E - Commander 58FW, Luke AFB; R-2301W - MCAS Yuma**
- g. Are canned/stereo airways needed to access air space? **No. Five stereo routes are available.**
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **Yes**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **None**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **None**
- l. Number of sorties flown in FY 1993 **10,538 air operations.**
 - By Navy/USMC **Data not available.**
 - By other services (including reserves and national guard) **Data not available.**
- m. Percent of sorties cancelled due to weather. **Approximately 5 percent.**
- n. Number of available hours in FY 1993 **7,130.7**
- o. Number of scheduled hours in FY 1993 **3,653.4**
 - By Navy/USMC **Data not available.**
 - By other services (including reserves and national guard) **Data not available.**
- p. Number of hours used **2,537.9**
 - By Navy/USMC **Data not available.**
 - By other services (including reserves and national guard) **Data not available.**
- q. Types of training permitted **Tactical ordnance, air intercept, aerial refueling, SAR, paradrops, ECM, EVM, photography**
- r. Is the training within this airspace affected by environmental issues? If so, how?

R-2301W - Cabera Prieta Wildlife Refuge; no flight below 1500' AGL.

Airspace Designator: R-2507 N/S

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) **Restricted Area**
- b. Dimensions (nmi. x nmi. x ft of altitude) **50NM X 15 NM, sfc - FL400**
- c. Distance from main airfield **90NM**
- d. Time en route from main airfield **30 minutes**
- e. Controlling agency **FAA Los Angeles ARTCC**
- f. Scheduling agency **MCAS Yuma**
- g. Are canned/stereo airways needed to access air space? **No. There are three stereo routes available.**

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- If so, how many?
- If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace None
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993
 - By Navy/USMC R-2507S 5,857; R-2507N 6,905
 - By other services (including reserves and national guard) R-2507S 2,541; R-2507N 1,481
- m. Percent of sorties cancelled due to weather. 10 percent
- n. Number of available hours in FY 1993 R-2507S 6,061.7; R-2507N 6,097.4
- o. Number of scheduled hours in FY 1993 R-2507S 3,457.7; R-2507N 3,520.7
 - By Navy/USMC Data not available
 - By other services (including reserves and national guard) Data not available
- p. Number of hours used R-2507S 2,335.3; R-2507N 2,287.5
 - By Navy/USMC Data not available
 - By other services (including reserves and national guard) Data not available
- q. Types of training permitted All except supersonic
- r. Is the training within this airspace affected by environmental issues? If so, how?

Environmental concerns are endangered plant life (Saguaro Cactus) and endangered animal life (Desert Tortoise).

Airspace Designator: R-2508

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- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) Restricted Area
- b. Dimensions (nmi. x nmi. x ft of altitude) 110NM X 140 NM; FL200 - unlimited
- c. Distance from main airfield 125 NM
- d. Time en route from main airfield 30 minutes
- e. Controlling agency FAA, Hi-Desert TRACON, Edwards AFB
- f. Scheduling agency Director, Central Coordinating Facility, Edwards AFB
- g. Are canned/stereo airways needed to access air space? No. There are two stereo routes available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace None

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- k. Number of high altitude airways (above 18,000 ft) that bisect airspace One - J110
- l. Number of sorties flown in FY 1993 Approximately 55,000 (all services)
 - By Navy/USMC Data not available
 - By other services (including reserves and national guard) Data not available
- m. Percent of sorties cancelled due to weather. less than 5 percent
- n. Number of available hours in FY 1993 continuous
- o. Number of scheduled hours in FY 1993 Approximately 8,040 (all services)
 - By Navy/USMC Data not available
 - By other services (including reserves and national guard) Data not available.
- p. Number of hours used Approximately 2,728 (all services)
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- q. Types of training permitted Contact scheduling agency for details.
- r. Is the training within this airspace affected by environmental issues? If so, how?

Environmental concerns are noise complaints from surrounding communities.

Airspace Designator: R-2510 A/B

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- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) Restricted Area.
- b. Dimensions (nmi. x nmi. x ft of altitude) 15NM X 15 NM, FL200 - FL500
- c. Distance from main airfield 60 NM
- d. Time en route from main airfield 15 minutes.
- e. Controlling agency FAA ARTCC, Los Angeles Center
- f. Scheduling agency MCAS Yuma
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace None
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 9,177
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- m. Percent of sorties cancelled due to weather. 10 percent
- n. Number of available hours in FY 1993 7,183.3
- o. Number of scheduled hours in FY 1993 3,575.5
 - By Navy/USMC Data not available.

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- By other services (including reserves and national guard) Data not available.
- p. Number of hours used 1,394
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- q. Types of training permitted Strike, NVG, ACM
- r. Is the training within this airspace affected by environmental issues? If so, how?
No known environmental concerns. Base of the airspace is FL200.

Airspace Designator: R-2512

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) Restricted Area
- b. Dimensions (nmi. x nmi. x ft of altitude) 15NM X 10NM triangle, sfc - FL230
- c. Distance from main airfield 95 NM
- d. Time en route from main airfield 20 minutes
- e. Controlling agency FAA ARTCC, Los Angeles Center
- f. Scheduling agency MCAS Yuma
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace None
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 1,206
 - By Navy/USMC 964
 - By other services (including reserves and national guard) 242
- m. Percent of sorties cancelled due to weather. approximately 10 percent.
- n. Number of available hours in FY 1993 7,875.6
- o. Number of scheduled hours in FY 1993 1,396.8
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Number of hours used 791.8
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- q. Types of training permitted Strafing, bombing, AGR, LLLB, ACM, Fam flights, paradrops, NVG, LAT, EVM, aero observation, deep air strikes.
- r. Is the training within this airspace affected by environmental issues? If so, how?

Environmental concerns are the protected Flat Tailed Horn Lizard and several species of raptors.

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Airspace Designator: Quail MOA

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MOA
- b. Dimensions (nmi. x nmi. x ft of altitude) 55NM X 32NM, 10,000 - FL220
- c. Distance from main airfield 120NM
- d. Time en route from main airfield 40 minutes
- e. Controlling agency FAA ARTCC, Los Angeles Center
- f. Scheduling agency MCAS Yuma
- g. Are canned/stereo airways needed to access air space? No. No stereo routes are available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace One - V135
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace One - J212
- l. Number of sorties flown in FY 1993 Data not available
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- m. Percent of sorties cancelled due to weather. Unknown
- n. Number of available hours in FY 1993 8,342
- o. Number of scheduled hours in FY 1993 418
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Number of hours used Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- q. Types of training permitted ACM, aerial refueling, air intercepts, all weather flight training.
- r. Is the training within this airspace affected by environmental issues? If so, how?

No known environmental concerns. Base of the airspace is 10,000 feet.

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Airspace Designator: Kane MOA

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MOA
- b. Dimensions (nmi. x nmi. x ft of altitude) 40NM X 76NM, 10,000 - FL400
- c. Distance from main airfield 50 NM
- d. Time en route from main airfield 15 minutes
- e. Controlling agency FAA ARTCC, Los Angeles Center
- f. Scheduling agency MCAS Yuma
- g. Are canned/stereo airways needed to access air space? No. Three stereo routes are available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace One - V137
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 2,488
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- m. Percent of sorties cancelled due to weather. Approximately 10 percent.
- n. Number of available hours in FY 1993 7,631.1
- o. Number of scheduled hours in FY 1993 1,732.9
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Number of hours used 953.3
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- q. Types of training permitted ACM, PMCF, AAI, TAM, in-flight refueling, fam flights, all weather training flights.
- r. Is the training within this airspace affected by environmental issues? If so, how?

No known environmental concerns. Base of the airspace is 10,000 feet.

Airspace Designator: Turtle MOA

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MOA
- b. Dimensions (nmi. x nmi. x ft of altitude) 85NM X 28NM, 11,000 - FL220
- c. Distance from main airfield 120NM
- d. Time en route from main airfield 25 minutes.
- e. Controlling agency FAA ARTCC, Los Angeles Center

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- f. Scheduling agency MCAS Yuma
- g. Are canned/stereo airways needed to access air space? No. No stereo routes are available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace Three - V208, V442, and V135
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace Two - J10 and J236
- l. Number of sorties flown in FY 1993 Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available..
- m. Percent of sorties cancelled due to weather. approximately 10 percent.
- n. Number of available hours in FY 1993 7,901.4
- o. Number of scheduled hours in FY 1993 858.6
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Number of hours used Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- q. Types of training permitted ACM, in-flight refueling, AAI, all weather flight training.
- r. Is the training within this airspace affected by environmental issues? If so, how?

No known environmental concerns. Base of the airspace in 11,000 feet.

Airspace Designator: Abel MOA

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MOA
- b. Dimensions (nmi. x nmi. x ft of altitude) 35NM X 40NM, 7,000 - FL400
- c. Distance from main airfield 85NM
- d. Time en route from main airfield 25 minutes.
- e. Controlling agency FAA ARTCC, Los Angeles Center
- f. Scheduling agency MCAS Yuma
- g. Are canned/stereo airways needed to access air space? No. No stereo routes are available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes.
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace None

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- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 8,264
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- m. Percent of sorties cancelled due to weather. approximately 10 percent.
- n. Number of available hours in FY 1993 6,495.6
- o. Number of scheduled hours in FY 1993 2,998.8
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Number of hours used 1,881.9
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- q. Types of training permitted ACM, in-flight refueling, PMCF, air intercept, tac air, all weather training.
- r. Is the training within this airspace affected by environmental issues? If so, how?

No known environmental concerns. Base of the airspace is 7000 feet.

Airspace Designator: IR217

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- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) 200' AGL up to 7,000; 5NM each side of centerline.
- c. Distance from main airfield Closest entry point - 90NM
- d. Time en route from main airfield 35 minutes
- e. Controlling agency FAA ARTCC, Los Angeles Center
- f. Scheduling agency MCAS El Toro
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace IR-217 crosses 14 airways: V8; V12; V16; V21; V64; V135; V208; V210; V264; V283; V372; V432; V460
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 Approximately 1018
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- m. Percent of sorties cancelled due to weather. Data not available.
- n. Number of available hours in FY 1993 8,760

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- o. Number of scheduled hours in FY 1993 509
 - By Navy/USMC 59
 - By other services (including reserves and national guard) 450
- p. Number of hours used 509
 - By Navy/USMC 59
 - By other services (including reserves and national guard) 450
- q. Types of training permitted Low level
- r. Is the training within this airspace affected by environmental issues? If so, how? None

Airspace Designator: VR 249

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) 3,000 - 5,000, 5NM each side of centerline.
- c. Distance from main airfield 250 NM
- d. Time en route from main airfield 1+15
- e. Controlling agency FAA ARTCC, Los Angeles Center
- f. Scheduling agency NAS Miramar
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Partial
- i. Is the airspace under communications coverage? Partial
- j. Number of low level airways (below 18,000 ft) that bisect airspace Three airways cross VR249; V27; C1176L; and V111.
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None

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- l. Number of sorties flown in FY 1993 Approximately 170
 - By Navy/USMC 156
 - By other services (including reserves and national guard) 14
- m. Percent of sorties cancelled due to weather. Unknown
- n. Number of available hours in FY 1993 Continuous
- o. Number of scheduled hours in FY 1993 140
 - By Navy/USMC 129
 - By other services (including reserves and national guard) 11
- p. Number of hours used 137
 - By Navy/USMC 128
 - By other services (including reserves and national guard) 9
- q. Types of training permitted Low level
- r. Is the training within this airspace affected by environmental issues? If so, how? None.

Airspace Designator: IR250

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) Sfc to 8,000; 5NM each side of centerline.
- c. Distance from main airfield To the closest entry point - 80NM
- d. Time en route from main airfield 25 minutes
- e. Controlling agency FAA ARTCC, Los Angeles Center
- f. Scheduling agency NAS Miramar
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace Four airways cross IR250: V432, V264, V208 and V538.
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 Approximately 80
 - By Navy/USMC 64
 - By other services (including reserves and national guard) 16
- m. Percent of sorties cancelled due to weather. Unknown
- n. Number of available hours in FY 1993 Daylight, even numbered days, 2,100 hours.
- o. Number of scheduled hours in FY 1993 58
 - By Navy/USMC 44
 - By other services (including reserves and national guard) 14
- p. Number of hours used 57
 - By Navy/USMC 43
 - By other services (including reserves and national guard) 14

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- q. Types of training permitted Low level
- r. Is the training within this airspace affected by environmental issues? If so, how? None.

Airspace Designator: IR252

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) Sfc - 8,000; 5NM each side of centerline.
- c. Distance from main airfield 124 NM
- d. Time en route from main airfield 25 minutes
- e. Controlling agency FAA ARTCC, Los Angeles Center.
- f. Scheduling agency NAS Miramar
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace IR252 crosses nine airways: V12, V442, V8, V210, V135, V538, V208, V264, and V432.
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 2
 - By Navy/USMC 2
 - By other services (including reserves and national guard) 0
- m. Percent of sorties cancelled due to weather. None
- n. Number of available hours in FY 1993 2,196
- o. Number of scheduled hours in FY 1993 1.5
 - By Navy/USMC 1.5
 - By other services (including reserves and national guard) 0
- p. Number of hours used 1.5
 - By Navy/USMC 1.5
 - By other services (including reserves and national guard) 0
- q. Types of training permitted Low level
- r. Is the training within this airspace affected by environmental issues? If so, how? None.

Airspace Designator: IR254

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) Sfc - 9,000; 5NM each side of centerline.
- c. Distance from main airfield 250NM
- d. Time en route from main airfield 1+10
- e. Controlling agency FAA ARTCC, Los Angeles Center
- f. Scheduling agency NAS Miramar

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- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace Two airways cross IR254: V12 and V105.
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 0
 - By Navy/USMC 0
 - By other services (including reserves and national guard) 0
- m. Percent of sorties cancelled due to weather. 0
- n. Number of available hours in FY 1993 Mon-Fri, daylight hours.
- o. Number of scheduled hours in FY 1993 0
 - By Navy/USMC 0
 - By other services (including reserves and national guard) 0
- p. Number of hours used 0
 - By Navy/USMC 0
 - By other services (including reserves and national guard) 0
- q. Types of training permitted Low level
- r. Is the training within this airspace affected by environmental issues? If so, how? Noise sensitive areas: avoid the towns of Kirkland Junction and Peoples Valley.

Airspace Designator: IR255

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) Sfc - 7,000; 5NM each side of centerline.
- c. Distance from main airfield 115NM
- d. Time en route from main airfield 35 minutes
- e. Controlling agency FAA ARTCF, Los Angeles Center
- f. Scheduling agency NAS Miramar
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace Four airways cross IR255: V432, V264, V442, and V135.
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 30
 - By Navy/USMC 22

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- By other services (including reserves and national guard) 8
- m. Percent of sorties cancelled due to weather. Unknown
- n. Number of available hours in FY 1993 Daylight hours
- o. Number of scheduled hours in FY 1993 56
 - By Navy/USMC 46
 - By other services (including reserves and national guard) 10
- p. Number of hours used 56
 - By Navy/USMC 46
 - By other services (including reserves and national guard) 10
- q. Types of training permitted Low level
- r. Is the training within this airspace affected by environmental issues? If so, how? None.

Airspace Designator: VR288

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) Sfc - 3,200; 5NM each side of centerline.
- c. Distance from main airfield 75NM
- d. Time en route from main airfield 30 minutes
- e. Controlling agency None
- f. Scheduling agency March AFB
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace 0
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace 0
- l. Number of sorties flown in FY 1993 Unknown
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- m. Percent of sorties cancelled due to weather. unknown/
- n. Number of available hours in FY 1993 Continuous
- o. Number of scheduled hours in FY 1993 Unknown
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Number of hours used Unknown
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- q. Types of training permitted low level
- r. Is the training within this airspace affected by environmental issues? If so, how? None.

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Airspace Designator: VR299

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) 300 AGL - 4,000; 5NM each side of centerline.
- c. Distance from main airfield 205 NM
- d. Time en route from main airfield 50 minutes
- e. Controlling agency None
- f. Scheduling agency March AFB
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace Three airways cross VR299: V12, V16, and V137.
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not Available.
- m. Percent of sorties cancelled due to weather. Unknown
- n. Number of available hours in FY 1993 Continuous.
- o. Number of scheduled hours in FY 1993 Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Number of hours used Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- q. Types of training permitted Low level
- r. Is the training within this airspace affected by environmental issues? If so, how?

An environmental survey was done for C141 only. No environmental concerns on the route. There is a Condor Reserve south of Santa Barbara. Every attempt should be made to avoid spilling out of the route.

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Airspace Designator: VR1211

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) 300 AGL to 1,500 MSL; 5 NM each side of centerline.
- c. Distance from main airfield 90NM

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- d. Time en route from main airfield 30 minutes
- e. Controlling agency None
- f. Scheduling agency March AFB
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace None
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- m. Percent of sorties cancelled due to weather. unknown
- n. Number of available hours in FY 1993 Continuous
- o. Number of scheduled hours in FY 1993 Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Number of hours used Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- q. Types of training permitted Low level
- r. Is the training within this airspace affected by environmental issues? If so, how?

Environmental survey for C141 only. No known environmental concerns. Remain above the 300' AGL floor.

Airspace Designator: VR1257

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) 2 NM each side of centerline
- c. Distance from main airfield 320NM
- d. Time en route from main airfield 1+00
- e. Controlling agency None
- f. Scheduling agency NAS Lemoore
- g. Are canned/stereo airways needed to access air space? No. Three stereo routes are available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes

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- i. Is the airspace under communications coverage? Yes
 - j. Number of low level airways (below 18,000 ft) that bisect airspace One airway - V27
 - k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
 - l. Number of sorties flown in FY 1993 Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
 - m. Percent of sorties cancelled due to weather. Approximately 10 percent
 - n. Number of available hours in FY 1993 Daylight hours - approximately 5,000
 - o. Number of scheduled hours in FY 1993 Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
 - p. Number of hours used Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
 - q. Types of training permitted Low level
 - r. Is the training within this airspace affected by environmental issues? If so, how? Points Quebec and Papa have restrictions due to hang gliding activity. There is a Monastery near Point Alpha.
13. List all the air-to-ground training ranges routinely used by aviation units or squadrons assigned to your air station. For each range, provide the following data:

Range Name: R-2507

- a. Location (city/county and state)
- b. Distance from main airfield 90NM
- c. Time en route from main airfield 30 minutes
- d. Controlling agency FAA ARTCC, Los Angeles Center
- e. Scheduling agency MCAS Yuma
- f. Are canned/stereo airways needed to access air space? No. Three stereo routes are available.
 - If so, how many?
 - If so, what types (i.e., IFR, VFR, or altitude reservation)?
- g. Is the airspace under radar coverage? Yes
- h. Is the airspace under communications coverage? Yes
- i. Number of low level airways (below 18,000 ft) that bisect airspace None
- j. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- k. Number of sorties flown in FY 1993 R-2507S - 8,398; R-2507N - 8,386
 - By Navy/USMC R-2507S 5,857; R-2507N 6,905
 - By other services (including reserves and national guard) R-2507S - 2,541; R-2507N - 1,481.

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- l. Percent of sorties cancelled due to weather. Approximately 10 percent.
- m. Number of available hours in FY 1993 R-2507S - 6,061.7; R-2507N - 6,097.4
- n. Number of scheduled hours in FY 1993 R-2507S - 3,457.7; R-2507N - 3,520.7
 - By NavyUSMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- o. Number of hours used R-2507S - 2,335.3; R-2507N - 2,287.5
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Types of training permitted All except supersonic.
- q. Is the training within this airspace impeded by environmental issues?

Environmental concerns are endangered plant life (Saguaro Cactus) and endangered animal life (Desert Tortoise).

Range Name: R-2510

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- a. Location (city/county and state)
- b. Distance from main airfield 60 NM
- c. Time en route from main airfield 15 minutes
- d. Controlling agency FAA ARTCC, Los Angeles Center
- e. Scheduling agency MCAS Yuma
- f. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IFR, VFR, or altitude reservation)?
- g. Is the airspace under radar coverage? Yes
- h. Is the airspace under communications coverage? Yes
- i. Number of low level airways (below 18,000 ft) that bisect airspace None
- j. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- k. Number of sorties flown in FY 1993 9,177
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- l. Percent of sorties cancelled due to weather. Approximately 10 percent.
- m. Number of available hours in FY 1993 7,183.3
- n. Number of scheduled hours in FY 1993 3,575.5
 - By NavyUSMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- o. Number of hours used 1,394
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.

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- p. Types of training permitted Strike, NVG, ACM
- q. Is the training within this airspace impeded by environmental issues?

No known environmental concerns. Base of the airspace is FL200.

Range Name: R-2301

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- a. Location (city/county and state)
- b. Distance from main airfield 135 NM
- c. Time en route from main airfield 40 Minutes.
- d. Controlling agency FAA ARTCC, Los Angeles Center
- e. Scheduling agency MCAS Yuma
- f. Are canned/stereo airways needed to access air space? No. Five stereo routes are available.
 - If so, how many?
 - If so, what types (i.e., IFR, VFR, or altitude reservation)?
- g. Is the airspace under radar coverage? Yes
- h. Is the airspace under communications coverage? Yes
- i. Number of low level airways (below 18,000 ft) that bisect airspace None
- j. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- k. Number of sorties flown in FY 1993 10,538 (Air Operations)
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- l. Percent of sorties cancelled due to weather. Approximately 5 percent.
- m. Number of available hours in FY 1993 7,130.4
- n. Number of scheduled hours in FY 1993 3,653.4
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- o. Number of hours used 2,537.9
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Types of training permitted Tactical ordnance, ACM, in-flight refueling, SAR, paradrops, ECM
- q. Is the training within this airspace impeded by environmental issues?

R-2301W - Cabera Prieta Wildlife Refuge; No flight below 1500' AGL.

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Range Name: R2512

- a. Location (city/county and state)
- b. Distance from main airfield 95 NM
- c. Time en route from main airfield 30 Minutes.
- d. Controlling agency FAA ARTCC, Los Angeles Center.
- e. Scheduling agency MCAS Yuma
- f. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IFR, VFR, or altitude reservation)?
- g. Is the airspace under radar coverage? Yes
- h. Is the airspace under communications coverage? Yes
- i. Number of low level airways (below 18,000 ft) that bisect airspace None
- j. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- k. Number of sorties flown in FY 1993 1,206
 - By Navy/USMC 964
 - By other services (including reserves and national guard) 242
- l. Percent of sorties cancelled due to weather. Approximately 10 percent.
- m. Number of available hours in FY 1993 7,875.6
- n. Number of scheduled hours in FY 1993 1,396.8
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- o. Number of hours used 791.8
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Types of training permitted Tactical ordnance, ACM, ECM, paradrops, NVG, deep air strikes.
- q. Is the training within this airspace impeded by environmental issues?

Environmental concerns are the protected Flat Tailed Horn Lizard and several species of raptors.

Change
N4644-
CPF
JUL 94

Change
N4644-
CPF
JUL 94

BRAC-95 Data Call #38 Addendum

R

Activity: NAS Miramar, San Diego, CA
UIC: 60259

13a. Is there a target within a restricted area within a 200 nautical mile radius of your air station where your aircraft can drop live MK-80 Series GP bombs for training purposes? For each range, provide the following data:

Range Name: W-291 SHOBA

- a. Location (city/county and state) **San Clemente Island**
- b. Distance from main airfield **60 NM**
- c. Time en route from main airfield **15 Minutes**
- d. Controlling agency **FACSFAC San Diego**
- e. Scheduling agency **FACSFAC San Diego**
- f. Are canned/stereo airways needed to access air space? **No**
-If so, how many?
-If so, what types (i.e., IFR, VFR, or altitude reservation)?
- g. Is the airspace under radar coverage? **Yes**
- h. Is the airspace under communications coverage? **Yes**
- i. Number of low level airways (below 18,000 ft) that bisect airspace **None**
- j. Number of high altitude airways (above 18,000 ft) that bisect airspace **None**
- k. Number of sorties flown in FY 1993
-By Navy/USMC **22 Days used by Navy/17 Days used by USMC**
-By other services (including reserves and national guard)
- l. Percent of sorties cancelled due to weather **6 days cancelled**
- m. Number of available hours in FY 1993 **Navy - 301;USMC - 243**
- n. Number of scheduled hours in FY 1993
-By Navy/USMC **104 Navy/78 USMC**
-By other services (including reserves and national guard)
- o. Number of hours used
-By Navy/USMC **81.5 Navy/38.5 USMC**
-By other services (including reserves and national guard)
- p. Types of training permitted **GP bombs 1,000 lb or less**
- q. Is the training within this airspace impeded by environmental issues? **NO**

Range Name: R-2501

- a. Location **29 Palms, San Bernardino County, CA**
- b. Distance from main airfield **90 NM**
- c. Time en route from main airfield **25 Minutes**
- d. Controlling agency **Los Angeles ARTCC; Range Control "Bearcat"**
- e. Scheduling agency **Marine Corps Air/Ground Combat Center, DSN 957-6313**
- f. Are canned/stereo airways needed to access air space? **No**
-If so, how many?
-If so, what types (i.e., IFR, VFR, or altitude reservation)?
- g. Is the airspace under radar coverage? **Yes, above 6,000**
- h. Is the airspace under communications coverage? **Yes**
- i. Number of low level airways (below 18,000 ft) that bisect airspace **None**
- j. Number of high altitude airways (above 18,000 ft) that bisect airspace **One - J128 above FL260**
- k. Number of sorties flown in FY 1993 **4,554**
-By Navy/USMC **Data not available**
-By other services **Data not available**
- l. Percent of sorties cancelled due to wx **Less than two percent**
- m. Number of available hours in FY 1993 **8,376 hours in each restricted section**
- n. Number of scheduled hours in FY 1993
-By Navy/USMC **Data not available**
-By other services (including reserves and national guard) **Data not available**
-Total hours scheduled **R-2501N - 6,867**

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R

- R2501S - 6,786
- R2501E - 5,874
- R2501W - 5,412
- o. Number of hours used
 - By Navy/USMC Data not available
 - By other services (including reserves and national guard) Data not available
 - Total hours used R2501N - 4,790
 - R2501S - 4,510
 - R2501E - 3,869
 - R2501W - 3,077
- p. Types of training permitted Unlimited

except no critical fuze ordnance. ALPHA strikes, low level bombing, strafing, close air support, ground controlled intercept (limited), ACM, ATR delivery, parachute ops, CIF, target marking, forward air control training, electronic warfare training, NVG, low altitude supply, and SAR.
- q. Is the training within this airspace impeded by environmental issues? Some areas, primarily the southwest corner and eastern edge of R-2501E, southern edge of R-2501S, Western half of R-2501W and western edge of R-2501N are listed as no impact zones. Environmental issues impact very little on the restricted airspace of R2501. MCAGCC aquafer area (Sandhill Training Area) and the areas adjacent to main side (west and east) are no fire/drop zones. Range 601 is 9 square kilometers of sensitive fuze range (rockeye, etc.).

Range Name: R-2505

- a. Location (city/county and state) NAWS China Lake
- b. Distance from main airfield 165 NM
- c. Time en route from main airfield 45 Minutes
- d. Controlling agency Los Angeles ARTCC
- e. Scheduling agency NAWS China Lake
- f. Are canned/stereo airways needed to access air space? No
 - If so, how many?
 - If so, what types (i.e., IFR, VFR, or altitude reservation)?
- g. Is the airspace under radar coverage? Yes
- h. Is the airspace under communications coverage? Yes
- i. Number of low level airways (below 18,000 ft) that bisect airspace None
- j. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- k. Number of sorties flown in FY 1993 Data not available
 - By Navy/USMC
 - By other services (including reserves and national guard)
- l. Percent of sorties cancelled due to weather Data not available
- m. Number of available hours in FY 1993 Data not available
- n. Number of scheduled hours in FY 1993 Data not available
 - By Navy/USMC
 - By other services (including reserves and national guard)
- o. Number of hours used Data not available
 - By Navy/USMC
 - By other services (including reserves and national guard)
- p. Types of training permitted Limited

to 2,000 lbs or less (MK-84)
- q. Is the training within this airspace impeded by environmental issues? NO

Range Name: R-2507

- a. Location (city/county and state) MCAS Yuma
- b. Distance from main airfield 85 NM
- c. Time en route from main airfield 30 Minutes
- d. Controlling agency Los Angeles ARTCC
- e. Scheduling agency MCAS Yuma
- DSN 951-2214
- f. Are canned/stereo airways needed to access air space? No
 - Two stereo routes are available.
 - If so, how many?

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14. Is land and/or air encroachment an issue which endangers long term availability of any training areas? If so, provide details. No known encroachment issues.

15. Is the SUA/airspace for special use routinely used by aviation units or squadrons assigned to your air station sufficient to satisfy the air-to-air training, air-to-ground training and low level training missions of units assigned to the air station? Explain the nature and magnitude of any shortfalls.

The SUA/airspace used for routine training/exercises is sufficient to meet most local demands. The only difficiency is EW training.

16. If deployments or detachments to other domestic locations are required to satisfy airspace shortfalls, fill out the following tables:

Table16.1 Deployment Costs

WHERE	REASON	ANNUAL TAD COSTS ADVERSE WEATHER	ANNUAL TAD COSTS AIRSPACE NOT AVAILABLE	ANNUAL TAD COSTS NO LOCAL RANGE/OTHER
NAS Fallon	EW range			\$0 *

* NAS Miramar squadrons det to NAS Fallon for Airwing training. TAD not required to support EW requirement.

Airfields

17. For the main airfield(s) and each auxiliary and outlying field, provide the following data

Airfield Name: NAS Miramar/Mitscher Field

- a. Location: San Diego, California
- b. Distance from main field:
- c. Does the airfield have more than one runway complex that can conduct independent (i.e., concurrent) flight operations? No
- d. Does the airfield have parallel or dual offset runways? Yes
- e. If the airfield has parallel or dual offset runways, do they permit dual IFR flight operations? Centerline separation is not sufficient to conduct simultaneous IFR flight operations.
- e. Does the airfield have full-length parallel taxiways? Yes
- f. Does the airfield have high speed taxiways? The parallel taxiway is considered a high speed taxiway. High speed turn offs from the runway are not available.
- g. Does the airfield have a crosswind runway? No. Runway 28 is an emergency arrestment or helicopter runway. Lack of crosswind runway has little to no effect on operation.
- h. If conditions force the use of this runway, does the airfield lose flight ops capacity?
- i. How much capacity is lost?
- j. What percent of the time do conditions force the crosswind runway to be used?
- k. Is the airfield equipped to support IFR flight operations? Yes
- l. Is the airfield owned by the navy or leased? Owned
- m. Discuss any runway design features that are specific to particular types of aircraft (e.g., are the airfield facilities designed primarily for helo, prop. or jet train aircraft). The airfield is designed to support jet aircraft. As such, the runways can support all types of military aircraft.
- n. Does the air station perimeter road completely encircle the airfield? Yes
- o. Is the air station perimeter road 100% paved? If not estimate the percentage paved. Yes
- p. Does the perimeter fence completely enclose the operational areas of the air station? If not, explain why. Yes
- q. Is lack of fencing a security discrepancy? No
- r. Other remarks.

18. Are the current airfield descriptions, operations and facilities consistent with the flight information publication (FLIP)? Attach a copy of the latest FLIP chart annotated with any updates. **Yes**

Facilities
Base Infrastructure and Investment

19. List the project number, description, funding year, and value of the **capital improvements at your base completed (beneficial occupancy) during 1988 to 1994**. Indicate if the capital improvement is a result of BRAC realignments or closures.

Table 19.1 Capital Improvement Expenditure

Project Number	Description	Fund Year	Value \$M
P-179	BEQ (156 PN)	1988	8.2
P-311	Operational Flight Training Facility	1989	4.7
P-297	Hangar #6 Addition	1988	3.8
P-350	Consolidated Automated Support Services (CASS)	1991	.9
P-353	Fire Fighting Training Facility	1990	.7
P-346/P811	TOPGUN and Weapons Training Facility	1991	3.6
P-254	Tactical Air Combat Training System (TACTS)	1991	.9
P-270	Fixed A/C Start System @ Hangar #5	1992	1.5
P-293	Child Development Center	1992	1.9

None of the above projects are BRAC related.

20.a. List the project number, description, funding year, and value of the **non-BRAC related capital improvements** planned for years 1995 through 1997.

Table 20.1 Planned Capital improvements

Project Number	Description	Fund Year	Value \$M
P-040	Additional Jet Fuel Storage (95)		10.3
P-351	BEQ/Mess Hall Modernization (95)		6.3
P-356	CAEWWS Training Facility (96)		1.6
P-354	BEQ "C" Wing (96)		3.0
P-308	Oily Waste Water System (97)		1.4
P-359	Utility Control System (97)		1.1

Note: Fiscal years shown were pre-BRAC programmed. Subsequent to the BRAC 93 decision, none of the above projects are currently planned for funding.

20.b. List the project number, description, funding year, and value of the BRAC related capital improvements planned/programmed for 1995 through 1999.

Table 20.2 Planned Capital improvements

Project Number	Description	Fund Year	Value \$M
P-001T	Airfield Pavement Aprons	1996	43.56
P-002T	BEQ's	1996	102.13
P-003T	Admin and Training	1996	18.71
P-005T	Community Support/Dining	1996	22.2
P-006T	Aircraft Maintenance Complex	1996	62.09
P-007T	Storage Facilities	1996	10.53
P-008T	Operational Support Complex	1996	15.32
P-009T	Utilities Improvements	1996	24.2
P-010T	Maintenance Facilities	1996	23.51
P-011T	Storage Facilities	1996	38.09
P-012T	Tactical Van Pads	1996	15.5

Personnel Support Facilities

21.. Administrative Spaces

21.a. In the following table, indicate the available space (SF), individual workstation (PN), and condition for each facility designated or used for administrative purposes.

Table 21.1 Administrative Support Spaces

Building Type	NAVFA C (P-80) category code	Adequate		Substandard		Inadequate		Total	
		SF	PN	SF	PN	SF	PN	SF	PN
Administrative office	610-10	69,735	869	28,294	516	9,055	262	107,084	1647
ADP installations	610-20	5731	25	0	0	0	0	5731	25
Legal services	610-40	572	3	0	0	0	0	572	3
Admin storage	610-77	1152	NA	0	NA	0	NA	1152	NA
Underground administrative office	620-10	0	NA	0	NA	0	NA	0	NA

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Underground ADP installation	620-20	0	NA	0	NA	0	NA	0	NA
Underground admin storage	620-77	0	NA	0	NA	0	NA	0	NA
Other	620-7X	0	NA	0	NA	0	NA	0	NA

21.b. For all facilities that were classified as inadequate in the preceding table, identify the type of facility and describe why the facility is inadequate; indicate how the facility is being used and list other possible uses; and specify the costs to remove the deficiencies that make it inadequate (do not be concerned with the economic justification for these costs). Indicate current plans to remove these deficiencies and the amount of any programmed funds. Does the deficiency result in a C3 or C4 designation on your baserep?

The following facilities under Category Code 610-10 are inadequate according to the respective Deficiency Codes, and portions of the facilities are used for administrative offices. No engineering evaluation has been done to change the use or replace them. There are no current plans or projects to remove deficiencies. For deficiency codes refer to NAVFACINST 11010.44E.

Inadequate Bldgs	Deficiency Code	Repair Cost	Base Rep Designation
K223-Ops pool/office	D30	32K	C3
M295-BEQ	A30	217K	C3
M312-BOQ	F30,C45	100K	C3

22. Describe any administrative support facility limitations. Describe the potential for expansion of the services that administrative support facilities provide.

Without modifications to current floor plan configurations, or additions to buildings, expansion of services provided by administrative support facilities would be limited to operational procedures only.

All administrative support facilities have the potential for expanding their floor plan square footage up to 75% of current area. This would be accomplished by constructing additions to the building or modifying/converting other use areas (category codes) of a building to administrative space.

23.a. List all specialized training facilities/simulators that are located at or near the air station.

Table 23.1 Specialized Training Facilities/Simulators Onboard/In Vicinity

Type	Purpose and Availability Elsewhere
F-14A	Located on Station for F-14A Training/NAS Oceana
F-14D	Located on station for F-14D training/None elsewhere
E-2	Located on Station for E-2 Training/NAS Norfolk

23.b. List other facilities/simulators not available locally that would assist the training mission.

Table 23.2 Facilities/Simulators Desired

Type	Training Function	Location
None		

24.a. Is there ~~is~~ a NADEP located at the air station?

No, however, NADEP North Island is located within 20 miles of this air station.

24.b. Does the NADEP provide any direct support/benefit to the installation's intermediate maintenance mission?

NADEP North Island provides, on a daily basis, major direct support to this air station and the intermediate level maintenance mission. Customer Service, Concurrent Rework, ongoing Engineering Analysis, Depot Field Repair Teams, Calibration Services and Bearing Refurbishment are a few of the major areas in which NADEP North Island directly supports the maintenance mission of AIMD Miramar.

CUSTOMER SERVICE: For the past 24 months, this one program has grown from less than 10 components to over 500, annually saving over \$1M in Aviation Depot Level Repairables (AVDLR) funds each fiscal year.

CONCURRENT REWORK: In an effort to save additional rework dollars, AIMD Miramar recently established a Memorandum of Agreement (MOA) with NADEP North Island in which 150 E-2C aircraft components, previously repaired as concurrent rework, will be repaired at the "I" level vice the depot, thereby saving over \$800K in comparable repair costs as well as increasing the availability of those components and bit/piece parts.

ENGINEERING ANALYSIS: Routinely AIMD "calls" upon NADEP to provide damage analysis on parts received from tenant squadrons and other supported activities. This vital service determines the extent of the damage, estimates the cost of repair and provides maintenance managers with the information necessary to ascertain the most efficient repair process.

DEPOT REPAIR TEAM: Planners and Estimators (P&E) services are conducted frequently for both the squadron and intermediate level maintenance to ultimately repair aircraft and components beyond the activities capability. A small group of NADEP North Island employees are onboard the air station to provide this service. Aircraft modifications, inservice repair, as well as normal depot level repair are their main tasking and obviously utilized DAILY as evidenced by the onsite office established by NADEP. This effort reduces aircraft downtime, increase readiness and minimizes the overall cost for depot repairs.

CALIBRATION SERVICES: The Type III Cal Lab at NADEP North Island continues to provide valuable and mission critical cal services to Miramar each quarter. Our jet engine test cells, aircraft hush houses, LOX and nitrogen plants and standards within our AIMD Cal Lab are examples of their products which require NADEP Lab services and talent. Without calibration, we could **not** issue any equipment as RFI (ready for issue).

BEARING/COMPONENTS: The Bearing Shop, along with the Components Shop, are probably the two areas that the "I" level maintenance mission cannot do without. Both of these services have a **direct** impact to the air station. Aircraft bearings cannot be refurbished or manufactured at the "I" level and the dynamic operating nature of various aircraft components require that they be supported by NADEP. Components make up approximately 20 percent of the entire NADEP workload.

25.a. What ship maintenance facilities are located at the air station?

Table 25.1 Ship Maintenance Facilities

Ship Maintenance Facility	Major Capabilities
NONE	

25.b. What other maintenance facilities do ships homeported/berthed at the air station use on a regular basis?

Table 25.2 Other Ship Maintenance Facilities

Maintenance Activity	Type of Support	Location
	NONE	

Regional Maintenance Concept

26. Has your AIMD been identified to be a part of the Navy's Regional Maintenance concept? If so, provide the details as currently known and what other DON industrial activities (both intermediate and depot level) are located within a 25 mile range of your activity?

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Yes, AIMD Miramar has been identified as a player in the Regional Maintenance Concept. Since late 1991, AIMD Miramar has been a leader in the San Diego Regional Interoperability Program, the initial phase of today's RMC. AIMD Miramar along with representatives from AIMD North Island, SIMA, San Diego RSG, numerous surface ships, tenders, and the 32nd St shipyard have made great strides in the "one Navy maintenance concept"...the rationale of RMC. From this initial interoperability program has evolved a San Diego Regional Port Services Directory listing all activities and their respective maintenance capabilities; a "Start-up" guide to facilitate other regional areas to develop their area program; a joint TYCOM instruction stating the responsibilities and procedures for each major TYCOM (AIR-SURF-SUB). Cross-training between air station and the surface and/or sub Navy is commonplace. Over \$480K have been saved via this program by having existing Navy maintenance facilities and sailors "do" the work

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versus contracting within the civilian community. Concurrent with the cost-avoidance is the mission-critical training our sailors are receiving by the cross-TYCOM scenario and the value it will reap during subsequent battle group deployments. A new and developing aspect which the RMC concept will embrace is the Reverse Engineering/HAZMAT Program.

Other DON industrial activities within the 25 mile radius are:

- *AIMD North Island
- *NADEP North Island
- *SIMA
- *RSG
- *Subbase Pt Loma
- *Camp Pendleton (limited "I" level)
- *CV-64/63
- *Numerous repair ships at 32nd St Shipyard
- *USS DIXON/MCKEE (sub tenders...repair ships)
- *ACU-5 (limited "I" level)

Special Military Facilities

27. List all facilities at or near the air station that have a special role in military operations (ASWOCs, oceanographic facilities, etc.) of the aircraft or ships based at the installation.

Table 27.1 Special Military Facilities

Type of Facility	Operational Mission of Facility
SPN-42A	Provide Precision Approach guidance to Naval/Marine aircraft in preparation for deployment. Equipment is similiar to shipboard equipment.
Naval Paacific Meteorology and Oceanography Detachment	Provide weather forecasting for proposed flights and provide in-flight weather briefings.
TRN-28	Provide Precision Approach monitoring for aircraft conducting approaches using the SPN-42A in preparation for deployment. Equipment is similiar to shipboard equipment.
San Diego TRACON	FAA Facility providing air traffic control services, using an ASR-9 radar positioned on NAS Miramar, to all aircraft in the San Diego area including NAS Miramar, NAS North Island, Lindburgh Field, Montgomery Field, Gillespie Field, Brown Field and others.
TACTS	Tactical Aircrew Combat Training

Non-DON Facility Support Arrangements

28. List all inter-service arrangements (e.g., inter-service support agreements) that involve supporting military (non-DON) activities at the air station.

Table 28.1 Non-DON Support

Activity Name / Military Service	Description of Activity Role and Degree of Support
Marine Corps Reserve Training Center	Training - East Miramar
Marine Corps Recruit Depot	Training - East Miramar
63RD U. S. Army Reserve Command	Training Fac. 129th Evac Hospital
HDQTS, 7TH INFANTRY DIV, FT ORD	Lunch support for reserves
ARMY ROTC	Training - East Miramar
Dept of Army 1st Phyc Ops Company	Mobilization Assembly Area
6220th US Army Reserve School	Training - East Miramar
California Army National Guard	Training - East Miramar
U.S. Army Med Det - Ft Irwin	Food Inspections/Vet Services
Defense Commissary Agency	Commissary Services
Dimensions International	Manage Navy Owned Spares/Repair Parts
Defense Logistics Agency	Own Station Fuel
San Diego Air Natl Guard	Tactical Communications
American Red Cross	Red Cross Services
Martin-Marietta	Maintain Spt F-14D Detection Systems
Allison Gas Turbine Div of G.E.	T56-A-427 Engine Support
General Electric (Kansas)	F-110-GE-400 Engine Project
Martin Baker	Common Ejection Seat
Lockheed	F-16N Support
Grumman Aircraft	F-14D Electronic Repair
Army National Guard	Training - East Miramar

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29. List all formal support agreements and other arrangements that involve supporting other governmental agencies (federal, state, local or international) or civilian activities at the air station.

Table 29.1 Other Agencies

Activity/Sponsor/ Government Affiliation	Description of Activity Role and Support Level
San Diego County Sheriff	Training - Land
U. S. Customs Service	IMA Repair of E2C Radar
USD (East Miramar)	Cultural Studies - Land
FAA Western Region	Air Traffic Control - Land
Pacific Telephone & Telegraph	Easements
Union Bank	Banking Services
Miramar Federal Credit Union	Land
Navy Wives Club Office	Building
Natural History Museum (East Miramar)	Research
Hospitality Inn	Land
Grumman Aerospace	Aircraft Support - Land
General Electric	Shops
American Red Cross	Red Cross Services
General Dynamics	Easement
U.S. Forest Service	Office & Vehicle Maintenance - Land and Bldg
Tony Oakley	Beekeeper - Land
UCSD	Laser Research - Land
SDSU	Research - Land
FBI	Warehouse Space
UCSD	Storage Containers - Land
Sim J. Harris	Aggregate Extraction - Land
Miramar Gun Club	Trap/Skeet Shooting Ranges-Land
South Illinois Univ	Office
National University	Office

San Diego Community College	Training Installation Heavy Rescue Fire - Bldg & Land
McDonalds	Restaurant - Land
Defense Nuclear Agency	Research - Bldg & Land/High Explosive Testing
U.S. Post Office	Bldg
Hickman Athletic Assn	Land
U.S. Weather Service	Radar Weather Service - Land
SATO	Travel - Land
City of San Diego	Aggregate Extraction & Landfill - Easement
Miramar Wholesale	Agricultural Outlease - Land
County of San Diego	Water Authority - Land
County of San Diego	Landfill & Aggregate Extraction - Land
SD&E	Easement - Land
San Diego City Landfill	Refuse Disposal - Land

LOCATION

Proximity to Operational Mission Areas

30.a. Describe the areas where aircraft based at this air station routinely conduct operational missions (vice training missions). Include details on the distance from the air station, average transit times and average length of time the aircraft spend in the operating areas.

Operational missions are conducted: In the Southern California Operating Area which includes SUA W-291, W-289, and W-290. Average distance to the mission area is approximately 110 NM with a transit time from 5 to 20 minutes. Average time spent in the operating area is 1.5 hours with longer times experienced when conducting missions with a carrier and refueling tankers. Additional airspace south of W-291 is used for counter-narcotics flights. Average distance to the mission area is approximately 110 NM with a transit time of 30 minutes. Average time spent in the operating area is 2 hours. WestPac operating areas, time varies, time deployed - average 6 months. SouthPac operating areas, time varies, time deployed - average 1 month.

30.b. Does the location of the air station permit any specialized training with other operational units (i.e. Battle Groups or Joint forces)? If so, provide details.

The close proximity of NAS Miramar to the Southern California Operating Areas allow aircraft flying from Miramar to participate/support extensive Battle Group/Joint Forces/Carrier Exercises. Deploying BG's conduct the vast majority of pre-deployment training in the SOCAL OPAREAS. All West Coast CQ is conducted in SOCAL OPAREA.

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30.c. Do squadrons routinely have to deploy to conduct carrier qualifications or other required training?

No. Other squadrons deploy here to conduct carrier qualifications due to the close proximity of the operating area.

Proximity to other support facilities

31.a. List all primary airfields in the local flying area that are available for training and emergency uses.

Table 31.1 Local Airfields

Airfield Name	Major Use/Capability	Location / Distance
NAS North Island	Naval Air Station	SW/12 Miles
NAS El Centro	Naval Air Facility	E/75 Miles
NAS Lemoore	Naval Air Station	NW/250 Miles
NCAS Camp Pendleton	Marine Corps Air Station	NW/30 Miles
MCAS Twenty Nine Palms	Marine Corps Air Station	NE/100 Miles
MCAS El Toro	Marine Corps Air Station	NW/58 Miles
Vandenberg AFB	Air Force Base	NW/200 Miles
March AFB	Air Force Base	NW/62 Miles
NAWS China Lake	Naval Air Weapons Station	N/170 Miles
Nellis AFB	Air Force Base	NE/230 Miles
OLF San Nichols Island	Naval Outlying Landing Field	NW/120 Miles
NALF San Clemente Island	Naval Auxiliary Landing Field	NW/75 Miles
Luke AFB	Air Force Base	NE/245 Miles
Williams AFB	Air Force Base	E/280 Miles
Lindbergh Field	San Diego International Airport	SW/8 Miles
MCAS Yuma	Marine Corps Air Station	E/134 Miles
Edwards AFB	Air Force Base	NW/130 Miles

31.b. What other military facilities located in the vicinity are/could be used to support the air station's and tenants' mission?

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Table 31.2 Other Military Facilities

Military Facility Name	Actual / Proposed Use	Distance
NAS North Island	Naval Air Station/Airfield	20 Miles
OLF Imperial Beach	Naval Airfield/ Helo	35 Miles
March AFB	Air Force/ Airfield	62 Miles
NALF San Clemente	FCLP, carrier divert/carrier staging	75 Miles
MCAGCC 29 Palms	Marines/Airfield	175 Miles
NAF El Centro	NVG Support, Refuel	120 Miles
MCAS Yuma	Flight Operations, practice instrument approaches, practice landing, touch and go's and emergency landings	120 Miles
MCAS Camp Pendleton	Flight Operations, practice instrument approaches, practice landings, touch and go's and emergency landings	37 Miles

31.c. What civilian-owned facilities located in the vicinity are/could be used to support the air station's and tenants' mission?

Table 31.3 Civilian Facilities

Civilian Facility Name	Actual / Proposed Use	Distance
Brown Field	Light Aircraft	35 Miles
Lindbergh Field	Commercial Aircraft	15 Miles
Montgomery Field	Light Aircraft	5 Miles

Location

Proximity to Major Transportation Nodes

32. List the major transportation facilities (both military and civilian) that play a significant logistics role and/or could play a role in any future operational deployment and mobilization plans.

Table 32.1 Transportation Nodes

Facility	Mobilization Role	Location
Railroad	Heavy Equipment	On Station
Trucking	Light to Medium Equipment	On Station
Buses	Personnel	On Station
Airfield	Airfield Equipment/ Personnel	On Station
Local Airport	Airfield Equipment/ Personnel	San Diego
Shipping Piers	Shipping/ Sealift Equipment/ Personnel	San Diego
NAS Miramar	Staging/packing/loading/departing aircraft participating in the mobilization plans.	

Features and Capabilities - Weather

R

33.a. What percentage of the time (on average, by month) does the local weather affect training operations and restrict airfield sortie rates? Use the following chart and add any further descriptions on how weather generally impacts airfield and training operations (recurring wind or fog conditions, etc.). Also fill out the chart for outlying fields if the information is available.

Table 33.1 Weather Information

Field Name: Mitscher Field

<u>Month</u>	<u>% of Hours¹ VMC</u>	<u>% of Hour s IMC</u>	<u>% of Hours Below 200 ft Ceilings and 1/2 Mile Visibility</u>	<u>% of All Sorties Canceled² Due to Weather</u>
<u>Jan.</u>	<u>89</u>	<u>11</u>	<u>4</u>	<u>*</u>
<u>Feb.</u>	<u>89</u>	<u>11</u>	<u>5</u>	<u>*</u>
<u>Mar.</u>	<u>90</u>	<u>10</u>	<u>3</u>	<u>*</u>
<u>Apr.</u>	<u>90</u>	<u>10</u>	<u>3</u>	<u>*</u>
<u>May</u>	<u>86</u>	<u>14</u>	<u>3</u>	<u>*</u>
<u>June</u>	<u>80</u>	<u>20</u>	<u>4</u>	<u>*</u>
<u>July</u>	<u>79</u>	<u>21</u>	<u>3</u>	<u>*</u>
<u>Aug.</u>	<u>80</u>	<u>20</u>	<u>3</u>	<u>*</u>
<u>Sept.</u>	<u>81</u>	<u>19</u>	<u>5</u>	<u>*</u>
<u>Oct.</u>	<u>83</u>	<u>17</u>	<u>6</u>	<u>*</u>
<u>Nov.</u>	<u>88</u>	<u>12</u>	<u>5</u>	<u>*</u>
<u>Dec.</u>	<u>90</u>	<u>10</u>	<u>4</u>	<u>*</u>

* Indicate negligible cancellations.

Remarks: The below minimum weather conditions predominately occur during the hours when the Airfield is closed. Sorties are occasionally delayed for coastal fog, but are very rarely cancelled.

¹Percentage of total normal operating hours that specified weather conditions were observed (include list of normal operating hours used for this calculation).

²Only include lost sorties (do not include sorties delayed or rescheduled).

57 40

Features and Capabilities - Weather

33.a. What percentage of the time (on average, by month) does the local weather affect training operations and restrict airfield sortie rates? Use the following chart and add any further descriptions on how weather generally impacts airfield and training operations (recurring wind or fog conditions, etc.). Also fill out the chart for outlying fields if the information is available.

Table 33.1 Weather Information

Field Name: Mitscher Field

Month	% of Hours ¹ VMC	% of Hours IMC	% of Hours Below 200 ft Ceilings and 1/2 Mile Visibility	% of All Sorties Canceled ² Due to Weather
Jan.	89	11	4	
Feb.	89	11	5	
Mar.	90	10	3	
Apr.	90	10	3	
May	86	14	3	
June	80	20	4	
July	79	21	3	
Aug.	80	20	3	
Sept.	81	19	5	
Oct.	83	17	6	
Nov.	88	12	5	
Dec.	90	10	4	

33.b. List the normal operating schedule used for the calculations on the previous table. Indicate if this schedule varies by month or season.

Table 33.2 Operating Hours

Day	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Operating Schedule	08-18	08-24	08-24	08-24	08-24	08-24	08-18

¹Percentage of total normal operating hours that specified weather conditions were observed (include list of normal operating hours used for this calculation).

²Only include lost sorties (do not include sorties delayed or rescheduled).

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33.c. Do local weather conditions have a regular impact on maintenance schedules? If so, describe how the air station accommodates these conditions. **No**

33.d. Do the normal weather conditions at the most frequently used training areas pose a significant problem for scheduling training sorties? If so, are alternate training areas used? Does the use of alternate training facilities involve relocating aircraft and support personnel to other air stations during certain times of the year? **No**

33.e. Does the local climate and geography provide unique training opportunities to the aircraft assigned to the air station (e.g., frequent opportunities for all-weather training)?

The local climate provides frequent opportunities for IMC training and numerous areas for multiple terrain training.

Encroachment

34.a. Do current estimates of population growth and development or environmental constraints pose problems for existing or planned AICUZ restrictions (i.e., safety of flight, noise)? Attach a copy of any applicable sections of the air station AICUZ plan and note any recent modifications.

Although an active issue, encroachment is under control with sufficient land use controls. The large acreage of the air station serves as a buffer for FCLP pattern, approaches and initial climb on departure. Local zoning promotes low density industrial uses in the accident potential zones and prohibits noise sensitive uses in the high noise zones. The adoption of the NAS Miramar Comprehensive Land Use Plan (CLUP) by the City of San Diego and the San Diego Association of Governments (SANDAG) provides land use guidelines more stringent than in AICUZ. (e.g. no new housing allowed above 65dB CNEL). Accident Potential Zones on departure extend 45,000 feet (versus the usual 15,000 feet) providing a corridor to the sea zoned compatibly with air operations. An airport overlay ordinance enacted by the City gives the CLUP the force of law and ensures that all developments are screened by CLUP guidelines. An exception to the CLUP requires a two-thirds vote of the City Council. In the past six years, no incompatible projects have been approved in the noise or accident potential zones. Noise complaints have declined from over 2,000 in 1974 to 497 last year, despite an increase in regional population.

ATTACHMENT

1990 CLUP pamphlet

34.b. Are there any known plans for a significant increase of commercial airline traffic in your area? If so, describe.

CHG BY CNAP 9406

THE SAN DIEGO UNIFIED PORT DISTRICT HAS RECENTLY COMPLETED AN EIS FOR THE IMMEDIATE ACTION PLAN AT LINDBERGH FIELD. THAT EIS NOTED THE FOLLOWING PROJECTION FROM A 1990 RALPH M. PARSONS CO. FORECAST:

**1990 11.2 MILLION ANNUAL PASSENGERS
1995 14.7 MILLION ANNUAL PASSENGERS
2000 16.4 MILLION ANNUAL PASSENGERS**

THE DISTRICT DOES NOT EXPECT A REASONABLE RATE OF GROWTH IN THE FUTURE. THE FIGURES ABOVE MAY BE SOMEWHAT HIGH BASED ON RECENT ECONOMIC CONDITIONS, BUT THEY ARE THE BEST AT THIS TIME.

A STRAIGHT LINE ANALYSIS OF THE ABOVE WOULD RESULT IN A FIGURE FOR 1997 OF 15.4 MAP.

LINDBERGH FIELD HAS PROPOSED TO ADD AN ADDITIONAL RUNWAY

35.a. Have there been any ATC delays (15 minutes or greater) between initial take-off request and actual take-off during the past three years as a result of civilian traffic? If so, please complete the following table.

No Data in reference to take-off delays is not maintained. Infrequent delays of 15 minutes or greater are experienced as a result of civilian/military traffic. Delays of this nature are the result of restrictions placed on NAS Miramar easterly departures only due to traffic volume over the JULIAN NAVAID. Traffic volume consists of both military and civilian traffic and must be sequenced over the NAVAID for handoff to Los Angles Center.

Table 35.1 Delays

Fiscal Year	Average Delay (minutes)	Number of Delays	% of Total Flight Operations Scheduled
1991			
1992			
1993			

35.b. How many times during each of the past three years have any of your low level training routes been modified to accommodate development or population growth (noise complaints)?

None

Table 35.2 Required Changes

Fiscal Year	Number of changes
1991	None
1992	None
1993	None

36.a. Is the existing AICUZ study encoded in local zoning ordinances?

Yes, as the NAS Miramar Comprehensive Land Use Plan (CLUP).

36.b. Provide a description of local zoning ordinances and their impact on future encroachment, restricted flight hours and details of any litigation history.

Local zoning is a reflection of community plans for the San Diego communities surrounding the air station. The Community Planning Liaison Officer sits on each of the planning groups, providing input to plan updates. All updates must conform with the NAS Miramar CLUP. There are no land use restrictions on flight hours and no history of litigation related to flight operations.

36.c. Do current estimates of population growth and development or environmental constraints pose problems for existing or planned missions/other operations/or development.

Projected growth near the air station poses no mission constraints. There are no land use restrictions on flight hours and no history of litigation related to flight operations. While there is increasing pressure by state and federal agencies to protect sensitive species and habitat, most environmentally sensitive areas on-station already have protected status. This restricts development on some lands at Miramar, but it also serves as an encroachment buffer. There are no major problems with the realignment of Miramar to a Marine Corps Air Station.

36.d. Provide a summary of the current and proposed land development plans for the area surrounding the air station (e.g. the local government's comprehensive land-use plan).

All noise sensitive uses are located outside the 65dB CNEL noise contour while the Accident Potential Zones are restricted to low density development, generally industrial.

36.e. Discuss briefly any ongoing litigation concerning environmental or airspace problems.

There are no ongoing litigations concerning environmental or airspace problems.

Features and Capabilities

Ability for Expansion

37. List the features of this air station that make it a candidate for basing other types of aircraft and other operational units in the future.

Air Station Feature	Benefit for Aircraft Squadrons
Ability to expand ramp/hangar space	Provide parking/maintenance areas for squadron aircraft.
Runway capacity	Runway capacity is capable of expanding to accommodate a 75 percent increase in flight operations without reaching the saturation point of the airspace surrounding the airfield.
Runway patterns	Traffic patterns for the airfield can be accommodated entirely over air station property.
Established AICUZ plans	AICUZ plans have identified corridors for aircraft departing/arriving the airfield to allow compatible land use. These areas have been incorporated in local government CLUP plans.
Proximity to training areas	The close proximity to training areas, both off-shore and inland, allow for short transit times and ready availability to battle group and carrier exercises.
Ideal weather	Normal weather patterns allow for the planning and conduct of training/exercises with a minimal impact due to adverse weather.
Runway length	Runway length allows all military aircraft to operate from the airfield.

38.a. Are there any assets in the vicinity of the air station that are currently not used because of a deficiency but could be improved or enhanced to increase the air station's capabilities?

None.

38.b. Does the operational infrastructure (i.e., parking apron, fuel and munitions storage, warehouse space, hangar space) meet current requirements and provide capabilities for future expansion or change in mission?

Existing facilities meet all current Navy requirements. Future expansion/ surge capabilities in parking aprons addressed in capacity data call.

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39. Give the average level of SELRES drill participation for the past three years (i.e. percentage attending regular and make-up drills). These numbers should reflect the participation of the SELRES population reported in your Capacity Data Call.

NAVAIRESCEN UIC: 09143	FY-1991	FY-1992	FY-1993
OFFICER	90.6%	90.3%	94.7%
ENLISTED	88.2%	88.6%	91.5%
Navy & Marine Corps Reserve Ctr UIC: 62106	FY-1991	FY-1992	FY-1993
OFFICER	REG 92.3% RS 7.7%	REG 87.8% RS 12.2%	REG 99.7%
ENLISTED	REG 94.5% RS 5.5%	REG 93.8% RS 6.2%	REG 98.4%
4th Tank BN MARDIVFMF USMCR UIC: 67680	FY-1991	FY-1992	FY-1993
OFFICER	98%	93%	92%
ENLISTED	96%	98%	96%

40. Does the local area provide a skilled work force that is essential for air station operations? Are these skills unique to the area or readily duplicated or available elsewhere?

Yes, the local area does provide a skilled workforce. The skills are not unique to the area and would be available elsewhere.

12 October 1994

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MEMORANDUM

From: Karen Ayers, COMNAVBASE San Diego Housing Office
To: Maria Champagne, NAS Miramar

Subj: BRAC 95 - DATA CALL #38 CLARIFICATION

Ref: (a) Your request of 12 Oct 94

1. Reference (a) requested clarification for responses to Questions ~~41(a)~~(5) and 48(c) of BRAC Data Call #38. Specifically the request for clarification states:

"Rectify apparent difference between answer to Question 41(a)(5) Paragraph 1, which states SFH price in 1993 was \$219K (i.e., high cost of area housing drives demand for on base housing) vs. Question 48(c) which states the average home costs were between \$128K and \$175K."

2. The \$219K figure in 41(a)(5) was the average cost to purchase a home in 1993; this was an overall average for all types of homes (i.e., condos, townhomes or single family homes). Question 48(c) requested median, not average, costs. The \$128K and \$178K figures in 48(c) were the median costs in 1994 to buy a townhome/condo or single family home, respectively.

3. Average 1993 costs were obtained from Multiple Listing Service figures provided by Mr. Chuck Smiley, Realtor. The 1994 median costs were provided by Data Quick Information Systems.

4. Please call me at 556-8014 if you have any questions. I hope this helps.


KAREN AYERS

Quality of Life

41. Military Housing

a. Family Housing:

- (1) Do you have mandatory assignment to on-base housing? **NO**
- (2) For military family housing in your locale provide the following information:

Type of Quarters	Number of Bedrooms	Total number of units	Number Adequate	Number Substandard	Number Inadequate
Officer	4+	194	194		
Officer	3	341	341		
Officer	1 or 2	24	24		
Enlisted	4+	1605	1605		
Enlisted	3	2853	2853		
Enlisted	1 or 2	2648	2648		
Mobile Homes		0	0		
Mobile Home lots		108	108		

(3) 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: N/A. No inadequate facilities per NAVFACINST 11010.44E guidelines.

Facility type/code:

What makes it inadequate?

What use is being made of the facility?

What is the cost to upgrade the facility to substandard?

What other use could be made of the facility and at what cost?

Current improvement plans and programmed funding:

Has this facility condition resulted in C3 or C4 designation on your BASEREP?

41.a.(4) Complete the following table for the military housing waiting list.

Pay Grade	Number of Bedrooms	Number on List ¹	Average Wait
O-6/7/8/9	1	0	N/A
	2	0	N/A
	3	0	N/A

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	4+	28	18-19 mos.
O-4/5	1	0	N/A
	2	16	11-12 mos.
	3	92	18-19 mos.
	4+	38	19-20 mos.
O-1/2/3/CWO	1	0	N/A
	2	141	30-31 mos.
	3	67	13-14 mos.
	4+	38	23-24 mos.
E7-E9	1	0	N/A
	2	72	22-23 mos.
	3	185	23-24 mos.
	4+	127	36-37 mos.
E1-E6	1	50	8-9 mos.
	2	1684	16-17 mos.
	3	1575	27-28 mos.
	4+	722	23-24 mos
E1-E9	Mobile Home Lots	45	12-18 mos.

¹As of 31 March 1994

41.a.(5)

What do you consider to be the top five factors driving the demand for base housing? Does it vary by grade category? If so provide details.

Top Five Factors Driving the Demand for Base Housing	
1	<p>Cost: San Diego is one of the most expensive areas within the United States in which to live. Average monthly rental rates exceed Maximum Allowable Housing Cost (MAHC) for most military pay grades. Generally, E1-E6 personnel can only afford to rent homes in high crime neighborhoods. E1-E3 personnel can afford only one bedroom homes. E4-E6 personnel can afford two bedroom homes. Four bedroom homes are out of reach for all but O4 and above personnel. A December 1992 market analysis indicates this problem will worsen within the next five years. The average price of a single family home in 1993 was \$219,609 - well beyond the means of most military families.</p>

2	Security: Due to the high cost of housing in San Diego, many families are forced to live in high crimes areas. Gang activity and other types of crime common to major metropolitan areas are prevalent within the region. Security is a primary concern of service members whose families must fend for themselves during deployments.
3	Proximity to Work/Location: Military family housing sites are located within minutes of all eleven major military installations in the San Diego area. Many service members prefer to reside close to work to limit commute time, save money, and facilitate rapid recall. Most housing sites are located close to support facilities such as Family service centers, Commissary and Exchange facilities. Some sites are particularly desirable due to their locations. The housing sites on Coronado, for example, have the longest waiting lists due to the quiet atmosphere and outstanding schools located there.
4	Community Support: Many service members and their dependents cite the strong bond and support they receive from military neighbors as a primary reason for applying for family housing. This is especially important to families with sponsors attached to afloat commands.
5	Quality of Facilities: San Diego offers many different types of homes. Age, style, amenities, location varies from one site to another. Single family, duplex, townhome and apartment style homes are available. Many new sites have been acquired through the "Direct Purchase Program". The program enables the government to purchase entire communities from developers. These military housing communities blend in with other civilian homes as they were constructed to be rental or sales properties.

While the top five factors apply to all grade categories, they do vary in order of importance depending upon the grade. Senior officers are more likely to choose family housing due to proximity to work/location or community support. Cost and Security are the primary concerns of enlisted personnel.

(6) What percent of your family housing units have all the amenities required by "The Facility Planning & Design Guide" (Military Handbook 1190 & Military Handbook 1035-Family Housing)? **79%**

(7) Provide the utilization rate for family housing for FY 1993.

Type of Quarters	Utilization Rate
Adequate	98.39%
Substandard	N/A
Inadequate	N/A

(8) As of 31 March 1994, have you experienced much of a change since FY 1993? If so, why? If occupancy is under 98% (or vacancy over 2%), is there a reason? No

41.b. BEQ:

(1) Provide the utilization rate for BEQs for FY 1993.

Type of Quarters	Utilization Rate
Adequate	127%
Substandard	96%
Inadequate	94%

(2) As of 31 March 1994, have you experienced much of a change since FY 1993? If so, why? If occupancy is under 95% (or vacancy over 5%), is there a reason?

Although NARCEN, CVWR30, VF301, VF302, and VAW88 are expected to disestablish by the end of CY94, their number of BEQ occupants is comparatively small and generally within the range seen for each unit. However, all are toward the low end of their range. The TAR community as a whole is declining so far as BEQ occupancy is concerned.

(3) Calculate the Average on Board (AOB) for geographic bachelors as follows:

$$\text{AOB} = \frac{(\# \text{ Geographic Bachelors } \times \text{ average number of days in barracks})}{365}$$

$$= 42 \text{ enlisted personnel}$$

(4) Indicate in the following chart the percentage of geographic bachelors (GB) by category of reasons for family separation. Provide comments as necessary.

Reason for Separation from Family	Number of GB	Percent of GB	Comments
Family Commitments (children in school, financial, etc.)	8	25%	Medical requirements Educational requirements Domestic problems needs of service
Spouse Employment (non-military)	21	66%	
Other	3	9%	
TOTAL	32	100	

(5) How many geographic bachelors do not live on base? None, since none are on a waiting list.

41.c. BOQ:

(1) Provide the utilization rate for BOQs for FY 1993.

Type of Quarters	Utilization Rate
Adequate	N/A
Substandard	N/A
Inadequate	100%

(2) As of 31 March 1994, have you experienced much of a change since FY 1993? If so, why? If occupancy is under 95% (or vacancy over 5%), is there a reason? No, n/a

(3) Calculate the Average on Board (AOB) for geographic bachelors as follows:

$$\text{AOB} = \frac{(\# \text{ Geographic Bachelors} \times \text{average number of days in barracks})}{365}$$

= 11 Officers

(4) Indicate in the following chart the percentage of geographic bachelors (GB) by category of reasons for family separation. Provide comments as necessary.

Reason for Separation from Family	Number of GB	Percent of GB	Comments
Family Commitments (children in school, financial, etc.)	9	24%	Education requirements Medical requirements Domestic problems needs of service
Spouse Employment (non-military)	7	18%	
Other	22	58%	
TOTAL	38	100	

(5) How many geographic bachelors do not live on base? None - no waiting list.

On Base MWR Facilities

42. For on-base MWR facilities¹ available, complete the following table for each separate location. For off-base government owned or leased recreation facilities indicate distance from base. If there are any facilities not listed, include them at the bottom of the table.

LOCATION MIRAMAR

Facility	Unit of Measure	Total	Profitable (Y,N,N/A)
Auto Hobby	Indoor Bays	40	N
	Outdoor Bays	31	N/A
Arts/Crafts	SF	N/A	N/A
Wood Hobby	SF	N/A	N/A
Bowling	Lanes	32	N
Enlisted Club	SF	7.780	N
Officer's Club	SF	3,600	Y
Library	SF	N/A	N/A
Library	Books	N/A	N/A
Theater	Seats	1,600	Y
ITT	SF	2.100	Y
Museum/Memorial	SF	N/A	N/A
Pool (indoor)	Lanes	N/A	N/A
Pool (outdoor)	Lanes	8	N
Beach	LF	N/A	N/A
Swimming Ponds	Each	N/A	N/A
Tennis CT	Each	10	N

¹Spaces designated for a particular use. A single building might contain several facilities, each of which should be listed separately.

Facility	Unit of Measure	Total	Profitable (Y,N,N/A)
Volleyball CT (outdoor)	Each	4	N
Basketball CT (outdoor)	Each	7	N
Racquetball CT	Each	10	N
Golf Course	Holes	18	Y
Driving Range	Tee Boxes	20	Y
Gymnasium	SF	17,030	N
Fitness Center	SF	9,000	Y
Marina	Berths	N/A	N/A
Stables	Stalls	155	Y
Softball Fld/Baseball	Each	9	N
Football Fld	Each	2	N
Soccer Fld	Each	1	N
Youth Center	SF	5,968	Y
CPO Lounge	SF	1,650	N
Enlisted Recreation Center	SF	4,600	N
Mills Park	SF	N/A	N
Recreation Equipment Center	SF	5,100	N
R.V. Park	Each	42	Y
Vehicle Storage Lot	Space	650	Y
Pizza Pizzazz	SF	620	Y
Vet Clinic	SF	N/A	N

43. Is your library part of a regional interlibrary loan program? N/A

44. Base Family Support Facilities and Programs

a. Complete the following table on the availability of child care in a child care center on your base.

Age Category	Capacity (Children)	SF			Number on Wait List	Average Wait (Days)
		Adequate	Substandard	Inadequate		
0-6 Mos	0	X			70	1 1/2 yr.
6-12 Mos	16	X			70	1 yr 2 mos.
12-24 Mos	38	X			106	up to 1 yr.
24-36 Mos	70	X			113	7 mos.
3-5 Yrs	142	X			144	7 mos.

b. 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:

Of the two child care facilities located on station, building 740 is new (constructed 1993) and building M246 is inadequate (constructed 1944). Building M246 is inadequate as defined by deficiency codes A3 and B30. Both facilities are being used as child care centers. Building 740, being new, requires no additional upgrade costs. Building M246 however is estimated to cost \$101,659 to bring it up to standards. This work has been identified by special project no. CMR6-89. This facility is classified as a C3 on our baserep. Due to the configuration of the facility, the building cannot be used for other purposes.

c. If you have a waiting list, describe what programs or facilities other than those sponsored by your command are available to accommodate those on the list.

None

d. How many "certified home care providers" are registered at your base? 13

e. Are there other military child care facilities within 30 minutes of the base? State owner and capacity (i.e., 60 children, 0-5 yrs).

No

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45. Complete the following table for services available on your base. If you have any services not listed, include them at the bottom.

Service	Unit of Measure	Qty
Exchange	SF	74,136
Gas Station	SF	10,702
Auto Repair	SF	12,336
Auto Parts Store	SF	1,156
Commissary	SF	70,451
Mini-Mart	SF	7,993
Package Store	SF	9,300
Fast Food Restaurants	Each	7
Bank/Credit Union	Each	1 Bank
Family Service Center	SF	5,182
Laundromat	SF	1,833
Dry Cleaners	Each	1
ARC	PN	137
Chapel	PN	434
FSC Classrm/Auditorium	SF	6658
ATM Services	EA	2
Camp Gear Issue	SF	5733
Bowling Alley	SF	26761
Gymnasium	SF	17990
Youth Center	SF	5968
Theater	SF	20897
Library	SF	3552
Golf Clubhouse	SF	2716
Indoor Playing Courts	SF	6858

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O Club/ E Club	SF	39852
Playing Courts	EA	14
Playing Fields	EA	7
Swimming pool	EA	2
Golf Course	HO	18
Riding Stable	SF	4020
Post Office	SF	7680

Fast Food Restaurants:

1. McDonald's
2. Sandtrap
3. Flightline cafeteria
4. Ops snackbar
5. NEX Cafeteria
6. Pizza Pizzaz
7. Teu Piu (at bowling alley)

46. Proximity of closest major metropolitan areas (provide at least three):

City	Distance (Miles)
San Diego	10
Los Angeles	120
Anaheim, CA	80

47. Standard Rate VHA Data for Cost of Living

Paygrade	With Dependents	Without Dependents
E1	218.36	122.17
E2	211.66	133.11
E3	206.44	152.11
E4	228.51	159.48
E5	261.55	182.62
E6	301.89	205.51
E7	339.62	235.92

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E8	352.67	266.62
E9	358.64	272.25
W1	391.25	297.14
W2	386.34	303.02
W3	386.73	314.37
W4	403.06	357.37
O1E	386.83	286.94
O2E	348.28	277.68
O3E	414.92	351.02
O1	345.66	254.71
O2	332.79	260.12
O3	342.83	288.64
O4	411.69	358.00
O5	454.49	375.85
O6	477.20	394.99
O7	486.52	395.29

48.a. Off-base housing rental and purchase

a. Fill in the following table for average rental costs in the area for the period 1 April 1993 through 31 March 1994.

Type Rental	Average Monthly Rent		Average Monthly Utilities Cost
	Annual High	Annual Low	
Efficiency			
Apartment (1-2 Bedroom)			
Apartment (3+ Bedroom)			
Single Family Home (3 Bedroom)			
Single Family Home (4+ Bedroom)			
Town House (2 Bedroom)			
Town House (3+ Bedroom)			
Condominium (2 Bedroom)			
Condominium (3+ Bedroom)			

The following information was provided and certified by CNB. Data provided unable to fit exactly in the above format.

Type Rental	Average Monthly Rent		Average Monthly Utilities Cost
	Annual High	Annual Low	
Efficiency	\$521	\$521	\$29
1 Bedroom Unit*	\$581	\$581	\$32
2 Bedroom Unit*	\$700	\$698	\$34
3 Bedroom Unit*	\$823	\$821	\$62
4+ Bedroom Unit*	\$1026	\$988	\$97

* Includes apartments, condominiums, town homes and single family homes.

(Average monthly rental rates from Market Profiles, Inc. Rental Trends reports dated September 1993 and March 1994. Average monthly utilities provided by SDG&E).

48.b. What was the rental occupancy rate in the community as of 31 March 1994?

Type Rental	Percent Occupancy Rate
Efficiency	
Apartment (1-2 Bedroom)	
Apartment (3+ Bedroom)	
Single Family Home (3 Bedroom)	
Single Family Home (4+ Bedroom)	
Town House (2 Bedroom)	
Town House (3+ Bedroom)	
Condominium (2 Bedroom)	
Condominium (3+ Bedroom)	

The following information was provided and certified by CNB. Data provided unable to fit exactly in the above format.

Type Rental	Percent Occupancy Rate
Efficiency	95.04%
1 Bedroom Unit *	94.63%
2 Bedroom Unit *	93.89%
3 Bedroom Unit *	93.07%
4+ Bedroom Unit *	93.96%

* Includes apartments, condominiums, town homes and single family homes.
 (Occupancy rates from Market Profiles, Inc. Rental Trends report dated March 1994).

48.c. What are the median costs for homes in the area?

Type of Home	Median Cost
Single Family Home (3 Bedroom)	
Single Family Home (4+ Bedroom)	
Town House (2 Bedroom)	
Town House (3+ Bedroom)	
Condominium (2 Bedroom)	
Condominium (3+ Bedroom)	

The following information was provided and certified by CNB. Data provided unable to fit exactly in the above format.

Type of Home	Median Cost
Single Family Home (3 /4 + Bedroom)	\$175,000
Town House (1/2/3+ Bedroom)	\$128,000
Condominium (1/2/3+ Bedroom)	\$128,000

(Median costs provided by Data Quick Information Systems. Costs broken down by bedroom were not available).

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48.d. For calendar year 1993, from the local MLS listings provide the number of 2, 3, and 4 bedroom homes available for purchase. Use only homes for which monthly payments would be within 90 to 110 percent of the E5 BAQ and VHA for your area.

Month	Number of Bedrooms		
	2	3	4+
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

The following information was provided and certified by CNB. Data provided unable to fit exactly in the above format.

E5 BAQ+VHA = \$677.05
 \$677.05 x 90% = \$609
 \$677.05 x 110% = \$745
 Range for monthly payment would be \$609 to \$745

The following assumptions were made:

- a. That the monthly payment would include mortgage, taxes and homeowners fees.
- b. That an E5 would not be able to afford a large down payment.
- c. That a purchase cost range of \$55,000 to \$73,000 would be appropriate to include varying interest rates and minimal down payment.

Month	Number of Bedrooms		
	2	3	4+
April 1994	223	24	3

(Note: Historical data not available. Numbers provided above reflect current availabilities. Information provided by REMAX Metro.)

48.e. Describe the principle housing cost drivers in your local area. (Cost drivers below were identified in a December 1992 Market Analysis prepared by Robert D. Neihaus, Inc.)

Housing cost is closely correlated with location, amount of land and number of bedrooms. Southern California coastal regions are among the most costly in CONUS. Temperatures in both the summer and winter are moderated by nearby waters of the Pacific Ocean. Average daily maximum temperatures are approximately 65 degrees Fahrenheit during the winter and 75 degrees Fahrenheit during the summer. Temperatures below freezing rarely occur. Annual rainfall averages approximately nine inches. Although most households are likely to prefer housing close to the amenities associated with coastal communities, the cost of housing in these communities is generally higher than locations further inland.

A well-developed regional road transportation system of interstate, state and county highways serve the area, as does a system of causeways linking the mainland with Coronado and North Island. Air service is available at San Diego International Airport (Lindbergh Field), Montgomery Field, and Ramona Airport. Passenger and freight rail services are provided by AMTRAK and the Santa Fe Railroad, respectively. Bus and trolley service are available within the area for local transportation.

San Diego has a diversified economic base characterized by several key elements:

- A wide range of manufacturing and service activities;
- A large military presence;
- An active tourism sector;
- An educational complex consisting of campuses of both the University of California and California State University systems as well as five other private universities and colleges;
- A growing research and development sector specializing in health care services.

Local forecasts of population growth indicate expected increases through 1996 averaging 2.1 percent annually. Both the job and population projections reflect a reduction in expected growth compared to the rapid rates of the past two decades.

The major industry sectors in the county are the services sector, the wholesale and retail trade sectors and the civilian government. A mild recovery is projected for the county with employment increasing slowly.

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49. For the top five sea intensive ratings in the principle warfare community your base supports, provide the following:

Rating	Number Sea Billets in the Local Area	Number of Shore billets in the Local Area
AB	0	6
AME	146	13
AO	178	72
BM	0	9
DC	0	5

50. Complete the following table for the average one-way commute for the five largest concentrations of military and civilian personnel living off-base.

Location	% Employees	Distance (mi)	Time(min)
Mira Mesa, San Diego CA.	21%	5	10
Poway, CA.	5%	10	20
Rancho Penasquitos, CA.	5%	5	15
Rancho Bernardo, CA.	4%	7	15
Tierrasanta, San Diego, CA.	3%	7	15

Information obtained from Employee Transportation Rideshare survey of November 1993.

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51. Complete the tables below to indicate the civilian educational opportunities available to service members stationed at the air station (to include any outlying fields) and their dependents:

51.a. List the local educational institutions which offer programs available to dependent children. Indicate the school type (e.g. DODDS, private, public, parochial, etc.), grade level (e.g. pre-school, primary, secondary, etc.), what students with special needs the institution is equipped to handle, cost of enrollment, and for high schools only, the average SAT score of the class that graduated in 1993, and the number of students in that class who enrolled in college in the fall of 1994.

Institution	Type	Grade Level(s)	Spec. Education Available	Annual Enrollment Cost per Student	1993 Avg SAT/ACT Score	% HS Grad to Higher Educ	Source of Info
San Diego Unified School Dist.	Public	K-12	Yes	\$3800 Enrollment of military dependents is 15291 students.			SD Unified School Dist.
Warner Union Elem. School Dist.	Public	K-8		\$3800 Enrollment is 264 students	unkn	unkn	San Diego County Office of Education
Sweetwater Union High School Dist.	Public	9-12	Yes	\$3800 Enrollment is 28828 students	unkn	unkn	Sweetwater Union HS District
South Bay Union Elem School Dist.	Public	K-6	Yes	\$3800 Enrollment is 9785 students			SB Union Dist.
San Ysidro Elem School Dist.	Public	K-8	Yes	\$3800 Enrollment is 3834 students			SY School Dist.
Chula Vista Elementary School Dist.	Public	K-6	Yes	\$3800 Enrollment is 18581 students			CV Elem School Dist.

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Del Mar Union Elem. School Dist.	Public	K-6	Yes	\$3800 Enrollment is 1264 students			DM Union Dist
Santee Elementary School Dist.	Public	K-8	Yes	\$3800 Enrollment is 8200 students			Santee Elem School Dist.
Lemon Grove Elementary School Dist.	Public	K-8	Yes	\$3800 Enrollment is 4280 students			LG Elem School Dist.
National Elementary School Dist.	Public	K-6	Yes	\$3800 Enrollment is 6141 students			Nat'l Elem School Dist.
Valley Center Union Elem School Dist.	Public	K-8	Yes	\$3800 Enrollment is 2400 students			VC School Dist
Sante Fe Christian School	Private	K-12	No	\$3883 to \$5478			SFC School
Cajon Valley Union Elementary School Dist	Public	K-8	Yes	\$3800 Enrollment is 18357 students			CV School District
Alpine Union Elementary School Dist.	Public	K-8	Yes	\$3800 Enrollment is 2110 students			Alpine School Dist.
Dehesa Elementary School Dist	Public	K-6	Yes	\$3800 Enrollment is 194 students			Dehesa School Dist.
Cardiff Elementary School Dist.	Public	K-6	Yes	\$3800 Enrollment is 942 students			Cardiff School Dist.

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Bonsall Union Elementary School Dist.	Public	K-8	Yes	\$3800 Enrollment is 1238			Bonsall Union School Dist.
Solana Beach Elementary School Dist.	Public	K-6	Yes	\$3800 Enrollment is 2040			Solana Beach School Dist.
Rancho Santa Fe Elem School Dist.	Public	K-8	Yes	\$3800 Enrollment is 576 students			Rancho Santa Fe School Dist.
Vallecitos Elementary School Dist.	Public	K-8	Yes	\$3800 Enrollment is 246 students			Vallecitos School Dist.
Spencer Valley Elem School Dist	Public	K-8	No	\$3800 Enrollment is 31 students			Spencer Valley School Dist.
Pauma Elem School Dist	Public	K-8	Yes	\$3800 Enrollment is 400 students			Pauma School Dist.
Encinitas Union Elem School Dist.	Public	K-6	Yes	\$3800 Enrollment is 4834 students			Encinitas School Dist.
Escondido Union High School Dist.	Public	9-12	Yes	\$3800 Enrollment is 6400 students	unkn	unkn	same as above
Fallbrook Union High School Dist.	Public	9-12	Yes	\$3800 Enrollment is 2284 students	unkn	unkn	same as above
Julian Union High School Dist.	Public	9-12		\$3800 Enrollment is 265 students	unkn	unkn	same as above

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San Dieguito Union High School Dist.	Public	9-12		\$3800 Enrollment is 7303 students	unkn	unkn	same as above
Borrego Springs Unified School Dist.	Public	K-8, 9-12		\$3800 Enrollment is 443 students			
Mountain Empire Unified School Dist.	Public	K-6, 7-8, 9-12		\$3800 Enrollment is 2000 students			
Oceanside Unified School Dist.	Public	K-6, 7-8, 9-12		\$3800 Enrollment is 18056 students			
Ramona Unified School Dist.	Public	K-6, 7-8, 9-12		\$3800 Enrollment is 6500 students			
San Marcos Unified School Dist.	Public	K-6, 7-8, 9-12		\$3800 Enrollment is 10189 students			
Vista Unified School Dist.	Public	K-6, 7-8, 9-12	Yes	\$3800 Enrollment is 20700 students			
Carlsbad Unified School Dist.	Public	K-6, 7-8, 9-12		\$3800 Enrollment is 6791 students.			
Coronado Unified School Dist.	Public	K-6, 7-8, 9-12		\$3800 Enrollment is 2321 students			
Grossmont Union High School Dist	Public	9-12	Yes	\$3800 Enrollment is 19636 students			

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Escondido Union Elem. School Dist	Public	K-8, 9-12, preschools	Yes	\$3800 Enrollment is 15673 students.			
Fallbrook Union Elem. School Dist.	Public	K-8, 9-12		\$3800 Enrollment is 5715 students			
Jamul-Dulzura Union Elem School Dist.	Public	K-8, 9-12		\$3800 Enrollment is 1230 students			
Julian Union Elem School Dist.	Public	K-8	Yes	\$3800 Enrollment is 515 students			
Lakeside Union Elem School Dist.	Public	K-8, 9-12		\$3800 Enrollment is 4903 students			
La Mesa-Spring Valley	Public	K-8, 9-12, preschools		\$3800 Enrollment is 13992 students			
San Diego Hebrew Day School	Private preschool through high school	preschool through high school		\$5400 (K-3); \$5750 (4-6); \$6200 (7-9)			
St. Augustine High	Private	9-12		\$3930 to \$4680			
Warren Walker	Private	Preschool through 6	No	\$5070			
SD Jewish Academy	Private	K-9	No	\$6200 to \$6810			
Luthern High School	Private	9-12	No	\$3000 to \$3550			
St. Therese	Private	preschool-through 8		\$1900 to \$2600			

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La Jolla County Day School	Private	preschool through 12		\$8000 (pre-school - 4); \$8425 (5-8); \$8750 (9-12)			
Poway School District	Public	K-12	Yes	\$3800 Enrollment is 2400.			

Note: The 1991 combined County wide SAT score average is 907. The College-going rate for 1992 is 47.2 percent. Tuition costs were unavailable. According to 2 school districts, the Average Daily Attendance (ADA) amount per child is approximately \$3700.00 - \$3900.00 per student, per year.

51.b. List the educational institutions within 30 miles which offer programs off-base available to service members and their adult dependents. Indicate the extent of their programs by placing a "Yes" or "No" in all boxes as applies.

Institution	Type Classes	Program Type(s)				
		Adult High School	Vocational/ Technical	Undergraduate		Graduate
				Courses only	Degree Program	
Chapman University	Day	No	No	None	None	None
	Night	No	No	None	Yes (B.A., B.S.)	Yes (MBA, MFCC, M.A., H.R.M.)
National University	Day	None	None	None	None	None
	Night	None	Yes (Paralegal)	None	Yes (B.A.)	Yes (M.A., MBA)
University of California at San Diego	Day	None	None	Yes	Yes (B.A., B.S.)	Yes (M.A., PhD)
	Night	None	None	Yes	Yes (B.A., B.S)	Yes (M.A., PhD)
University of California at San Diego Extension	Day	None	None	Yes	None	None
	Night	None	Yes	Yes	None	None
Academy of Art College	Day	No	Yes	Yes	Yes (BFA)	Yes (MFA)
	Night	No	Yes	Yes	Yes (BFA)	Yes (MFA)

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Edutek	Day	No	Yes	Yes	No	No
	Night	No	No	No	No	No
Maric College	Day	No	Yes	Yes	Yes (A.S.)	No
	Night	No	No	No	No	No
Pacific Coast College	Day	No	Yes	Yes	No	No
	Night	No	Yes	Yes	No	No
Kelsey-Jenney	Day	No	Yes	Yes	Yes (A.A.)	No
	Night	No	Yes	Yes	Yes (A.A.)	No
Coleman College	Day	No	Yes	Yes	Yes (A.S., B.S.)	Yes (M.S., MBA)
	Night	No	Yes	Yes	Yes (A.S., B.S.)	Yes (M.S., MBA)
Century Business College	Day	No	Yes	Yes	No	No
	Night	No	Yes	Yes	No	No
Advertising Arts College	Day	No	Yes	Yes	Yes (A.A., B.A.)	No
	Night	No	Yes	Yes	Yes (A.A., B.A.)	No
El Dorado College	Day	No	Yes	Yes	No	No
	Night	No	No	No	No	No
ITT Technical Institute	Day	No	Yes	Yes	Yes (A.S., B.S.)	No
	Night	No	Yes	Yes	Yes (A.S., B.S.)	No
San Diego State University	Day	No	No	Yes	Yes (B.A., B.S.)	Yes (PhD, MBA, M.A.)
	Night	No	No	Yes	Yes (B.A., B.S.)	Yes (PhD, MBA, M.A.)
ConCorde Career Institute	Day	No	Yes	Yes	No	No
	Night	No	No	No	No	No
Platt College	Day	No	Yes	Yes	No	No
	Night	No	Yes	Yes	No	No
San Diego Community College	Day	Yes	Yes	Yes	Yes (A.A.)	No
	Night	Yes	Yes	Yes	Yes (A.A.)	No

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Point Loma Nazarene College	Day	No	No	Yes	Yes (B.A., B.S.)	Yes (M.A.)
	Night	No	No	Yes	Yes (B.A., B.S.)	No
California Western Univ. School of Law	Day	No	No	Yes	Yes	Yes (J.D.)
	Night	No	No	No	No	No
Grossmont College	Day	No	Yes	Yes	Yes (A.A.)	No
	Night	No	Yes	Yes	Yes (A.A.)	No
United States International Univ.	Day	No	No	Yes	Yes (A.A., B.A., B.S.)	No
	Night	No	No	Yes	No	Yes (M.A., MBA, DBA, MFCC, PsyD)
Southwestern College	Day	No	Yes	Yes	Yes (A.A., A.S.)	No
	Night	No	Yes	Yes	Yes (A.A., A.S.)	No
Christian Heritage College	Day	No	No	Yes	Yes (B.A., B.S.)	No
	Night	No	No	Yes	Yes (B.A., B.S.)	No
Webster University	Day	No	No	No	No	No
	Night	No	No	Yes	Yes (B.A.)	Yes (MBA, M.A.)
New School of Art & Architecture	Day	No	Yes	Yes	No	No
	Night	No	Yes	Yes	Yes (A.A., B.A.)	Yes (M.A.)
Palomar College	Day	No	Yes	Yes	Yes (A.A.)	No
	Night	No	Yes	Yes	Yes (A.A.)	No
University of San Diego	Day	None	None	Yes	Yes (B.A., B.S.)	Yes (M.A., J.D., PhD, MBA)
	Night	None	None	Yes	Yes (B.A., B.S.)	Yes (M.A., J.D., PhD, MBA)

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51.c. List the educational institutions which offer programs on-base available to service members and their adult dependents. Indicate the extent of the programs by placing a "yes" or "no" in all boxes as applied.

Institution	Type Classes	Program Type(s)				
		Adult High School	Vocational/ Technical	Undergraduate		Graduate
				Courses only	Degree Program	
Chapman University	Day	None	None	None	None	None
	Night	None	None	Yes	Yes (B.A., B.S.)	Yes (MBA, M.A.)
	Correspondence	No	No	No	No	No
National University	Day	None	None	None	None	None
	Night	None	None	Yes	Yes (A.A., B.A., B.S.)	Yes (M.A., MFCC, MBA, MBB)
	Correspondence	None	None	None	None	None
Palomar College	Day	None	Yes	Yes	Yes (A.A.)	No
	Night	None	Yes	Yes	Yes (A.A.)	No
	Correspondence	None	No	No	No	No
San Diego Community College	Day	None	None	None	None	None
	Night	Yes (GED)	None	Yes	Yes (A.A.)	None
	Correspondence	None	None	None	None	None
University of Redlands	Day	None	None	None	None	None
	Night	None	None	Yes	Yes (A.A., B.A.)	Yes (M.A.M., MBA)
	Correspondence	None	None	None	None	None

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University of Phoenix	Day	None	None	None	None	None
	Night	None	None	Yes	Yes (B.A., credit toward A.A.)	Yes (M.A., MBA)
	Correspondence	None	None	None	None	None
University of LaVerne	Day	No	No	No	No	No
	Night	No	No	Yes	Yes (A.A., B.A.)	Yes (M.A., MBA)
	Correspondence	No	No	No	No	No
Foundation of Educational Achievement	Day	No	No	No	No	No
	Night	Yes	No	No	No	No
	Correspondence	No	No	No	No	No
Southern Illinois University	Day	None	None	Yes - Weekend courses (B.S.)	Yes - Weekend courses (B.S.)	None
	Night	None	None	None	None	None
	Correspondence	No	No	No	No	No

52. Spousal Employment Opportunities

Provide the following data on spousal employment opportunities.

CHG BY CNAP 9406

Skill Level	Number of Military Spouses Serviced by Family Service Center Spouse Employment Assistance			Local Community Unemployment Rate **
	1991	1992 *	1993	
Professional	111	93	995	6.9%
Manufacturing	76	84	171	6.9%
Clerical	254	271	557	6.9%
Service	348	281	541	6.9%
Other	102	92	298	6.9%

NOTE - LOCAL UNEMPLOYMENT RATE:

- 1991 - 6.1%
- 1992 - 7.4%
- 1993 - 7.8%

* The Spouse Employment Assistance Coordinator position was vacant from June - October 1992 which will explain why the figures did not build from 1991 - 1993.

** The "Local Community Employment Rate" is a figure provided by the State of California, Employment Development Department (EDD), Labor Market Information Division. The unemployment rate county-wide currently stands at 6.9%. The figure is derived from a combination of a household survey and unemployment insurance claims. However, there is no breakdown from the unemployment claims data nor are surveyed individuals asked the type of work they are trained for nor the type of work they are seeking. Therefore, the local community employment rate for professional, manufacturing, clerical, service, other categories is unavailable, per local EDD, Labor Market Information Division.

53. Do your active duty personnel have any difficulty with access to medical or dental care, in either the military or civilian health care system? Develop the why of your response.

Medical: Active duty personnel have no difficulties with access to medical care at Branch Medical Clinic, NAS Miramar. Members requiring specialty care or care beyond the scope of the clinic are referred to Balboa Hospital (Naval Medical Center, San Diego). Access to civilian health care system is normally for emergencies only.

Dental: Active duty personnel receive the highest priority level in dental care. They are afforded the most comprehensive and state of the art dental treatment. Presently, there is no existing agreement with civilian dental providers to treat active duty personnel.

54. Do your military dependents have any difficulty with access to medical or dental care, in either the military or civilian health care system? Develop the why of your response.

Medical: The Branch Medical Clinic provides ambulatory outpatient care to active duty personnel only. Medical services are not available to dependents and retired personnel except for Pharmacy and Prenatal care. Ambulatory outpatient care is available through the NAVCARE clinics and comprehensive medical services in all categories of medical care is available at Balboa Hospital. Managed medical care is also available for eligible beneficiaries through the Tricare prime, extra, and standard. A new Dependent's Clinic will open on 13 June for additional support.

Dental: The Dependent Dental Plan is a comprehensive dental plan offered to eligible family members of active duty personnel. The cost of the plan is shared between the sponsor and the sponsor's service branch. With the creation of the plan and other BUMED regulations, the Navy treats family members on an emergency basis only.

55. Complete the table below to indicate the crime rate for your air station for the last three fiscal years. The source for case category definitions to be used in responding to this question are found in NCIS - Manual dated 23 February 1989, at Appendix A, entitled "Case Category Definitions." Note: the crimes reported in this table should include 1) all reported criminal activity which occurred on base regardless of whether the subject or the victim of that activity was assigned to or worked at the base; and 2) all reported criminal activity off base.

Crime Definitions	FY 1991	FY 1992	FY 1993
1. Arson (6A)			
Base Personnel - military		4	1
Base Personnel - civilian			3
Off Base Personnel - military			
Off Base Personnel - civilian			
2. Blackmarket (6C)			
Base Personnel - military			
Base Personnel - civilian			1
Off Base Personnel - military			
Off Base Personnel - civilian			

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3. Counterfeiting (6G)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
4. Postal (6L)			
Base Personnel - military		1	
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
5. Customs (6M)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
6. Burglary (6N)			
Base Personnel - military		1	9
Base Personnel - civilian			7
Off Base Personnel - military			
Off Base Personnel - civilian			
7. Larceny - Ordnance (6R)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
8. Larceny - Government (6S)			
Base Personnel - military		64	24
Base Personnel - civilian		6	4
Off Base Personnel - military		2	
Off Base Personnel - civilian		6	

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9. Larceny - Personal (6T)			
Base Personnel - military		204	121
Base Personnel - civilian		54	6
Off Base Personnel - military			
Off Base Personnel - civilian			
10. Wrongful Destruction (6U)			
Base Personnel - military		136	110
Base Personnel - civilian		40	32
Off Base Personnel - military			
Off Base Personnel - civilian			
11. Larceny - Vehicle (6V)			
Base Personnel - military		11	8
Base Personnel - civilian			2
Off Base Personnel - military			
Off Base Personnel - civilian			
12. Bomb Threat (7B)			
Base Personnel - military		3	
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
13. Extortion (7E)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
14. Assault (7G)			
Base Personnel - military		127	61
Base Personnel - civilian		39	23
Off Base Personnel - military		5	
Off Base Personnel - civilian			

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15. Death (7H)			
Base Personnel - military			
Base Personnel - civilian			1
Off Base Personnel - military			
Off Base Personnel - civilian			
16. Kidnapping (7K)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
18. Narcotics (7N)			
Base Personnel - military		41	24
Base Personnel - civilian		5	6
Off Base Personnel - military			
Off Base Personnel - civilian			
19. Perjury (7P)			
Base Personnel - military			2
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
20. Robbery (7R)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
21. Traffic Accident (7T)			
Base Personnel - military		156	119
Base Personnel - civilian		71	49
Off Base Personnel - military			
Off Base Personnel - civilian			

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22. Sex Abuse - Child (8B)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
23. Indecent Assault (8D)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
24. Rape (8F)			
Base Personnel - military		2	2
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
25. Sodomy (8G)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			

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Base does not keep off-base crime statistics in the format requested. The following are the crime statistics for County of San Diego from the FBI Index Crime Rate, not all categories of crimes described above are reflected as they are considered "part 2" crimes and are not included in this index. Source is the San Diego Association of Government, Criminal Justice Research Division report "Crime in the San Diego Region 1993" dated March 1994:

Crime Definitions	FY 1991	FY 1992	FY 1993
6. BURGLARY (6N)	15.1	13.2	12.1
9. LARCENY - PERSONAL (6T)	39.6	29.6	27.7 (DEFINED IN FBI INDEX AS LARCENY THEFT)
11. LARCENY - VEHICLE (6V)	18.8	13.0	12.5
14. ASSAULT (7G)	6.9	5.9	5.4 (DEFINED IN FBI INDEX AS AGGRAVATED ASSAULT)
15. DEATH (7H)	0.2	0.1	0.1 (DEFINED IN FBI INDEX AS HOMICIDE)
20. ROBBERY (7R)	2.4	3.3	2.8
24. RAPE (8F)	0.4	0.4	0.3 (DEFINED IN FBI INDEX AS FORCIBLE RAPE)

(ALL NUMBERS ARE CRIME PER 1,000 POPULATION)

**MILITARY VALUE ANALYSIS
DATACALL #38**

NAS MIRAMAR

**ATTACHMENTS
(OPNAV COPY)**

Table 11
SENSITIVE PLANT SPECIES

Common Name	Scientific Name	Federal Status	State Status	Other	Habitat
San Diego Mesa Mint	<i>Pogogyne abramsii</i>	E	E	List 1B	Vernal Pools
San Diego Coyote-Thistle	<i>Eryngium aristulatum var. parishii</i>	PE	E	List 1B	Vernal Pools
California Orcutt Grass	<i>Orcuttia californica</i>	PE	E	List 1B	Vernal Pools
San Diego Navarretia	<i>Navarretia fossalis</i>	SR	---	List 1B	Vernal Pools
Orcutt's Spineflower	<i>Chorizanthe orcuttiana</i>	SR	E	List 1A	Coastal Sage/Sandy Places
Orcutt's Brodiaea	<i>Brodiaea orcuttii</i>	2	---	List 1B	Vernal Pools
Little Mousetail	<i>Myosurus minumus var. aput</i>	2	---	List 3	Vernal Pools
San Diego Barrel Cactus	<i>Ferocactus viridescens</i>	2	---	List 2	Coastal Sage/Dry Hills
San Diego Goldenstar	<i>Muilla clevelandii</i>	2	---	List 1B	Coastal Sage/Chaparral
Willow Monardella	<i>Monardella linoides ssp. viminea</i>	2	E	List 1B	Dry Wash
Palmer's Sagebrush	<i>Artemisia palmeri</i>	2	---	List 2	Coastal Sage
California Adders-Tongue Fern	<i>Ophioglossum lusitanicum ssp. californicum</i>	3c	---	List 4	Vernal Pools
Western Dichondra	<i>Dichondra occidentalis</i>	3c	---	List 4	Coastal Sage/Chaparral/S. Oak Woodland
San Diego Thornmint	<i>Acanthomintha ilicifolia</i>	SR	E	List 1B	Coastal Sage/Chaparral/Mesa
Del Mar Manzanita	<i>Arctostaphylos glandulosa var. crassifolia</i>	SR	---	---	Chaparral
Coastal Scrub Oak	<i>Quercus dumosa</i>	SR	---	---	Chaparral
San Diego Marsh Elder	<i>Iva hayesiana</i>	---	---	List 2	Alkaline Places
Wart-stemmed ceanothus	<i>Ceanothus verrucosus</i>	---	---	List 2	Chaparral
Palmer's Grappling-hook	<i>Harpagonella palmeri var. palmeri</i>	---	---	List 2	Chaparral
Pygmy Spike-moss	<i>Selaginella cinerascens</i>	---	---	List 4	Mesa/Dry Slopes
San Diego Sunflower	<i>Viguiera laciniata</i>	---	---	List 2	Coastal Sage/Chaparral

Federal and State

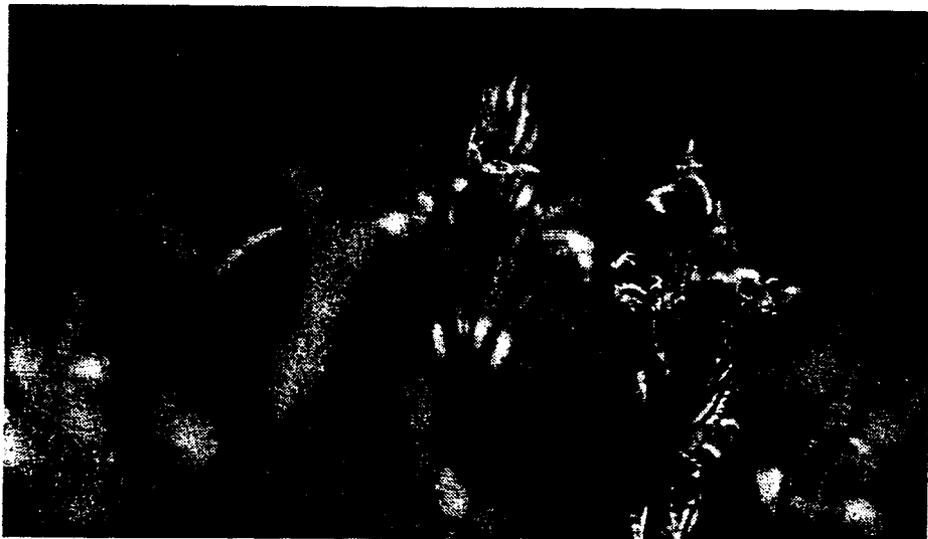
- E: Endangered List
- PE: Potential Endangered
- SR: Status Review
- 1: Support proposing endangered
- 2: Require additional biological vulnerability data
- 3c: Not threatened at this time

Other

- List 1B: Endangered in CA and elsewhere
- List 2: Rare or Endangered in CA, more common elsewhere
- List 3: Need more information
- List 4: Plants of limited distribution



Federal proposed endangered California Gnatcatcher



Federal and State endangered San Diego mesa mint

R

BRAC-95 CERTIFICATION

DATA CALL 38

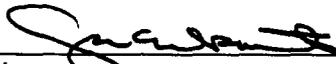
Addendum

NAS Miramar UIC 60259

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

NEXT ECHELON LEVEL

CAPT James E. Eckart, USN
NAME (Please type or print)


Signature

Acting
Title

16 November 1994
Date

Commander Naval Air Force, U.S. Pacific Fleet
Activity

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

MAJOR CLAIMANT LEVEL

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.

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

NAME (Please type or print)

Signature

Title

Date

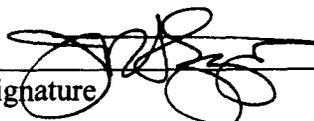
BRAC-95 CERTIFICATION DATA CALL THIRTY EIGHT

NAS MIRAMAR

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

MAJOR CLAIMANT LEVEL

J. R. FITZGERALD
NAME (Please type or print)


Signature

Commander In Chief
Title (Acting)

18 JUL 94
Date

U. S. Pacific Fleet
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. EARNEST

NAME (Please type or print)


Signature

Title

7/27/94
Date

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

R. L. CASEY, CAPT, USN
NAME (Please type or print)
Commanding Officer
Title
NAS MIRAMAR
Activity

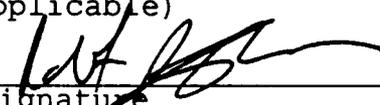

Signature
5/31/94
Date

Data Call 38 - Military Value Analysis Data Call
Naval Air Station Miramar

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

NEXT ECHELON LEVEL (if applicable)

VADM Robert J. Spane, USN _____
NAME (Please type or print)



Signature

Commander _____
Title

12 June 1994 _____
Date

COMNAVAIRPAC _____
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

NAME (Please type or print)

Signature

Title

Date

Activity

16 Reg 8, 7,
13, 14, 67

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

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

MAJOR CLAIMANT LEVEL

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 belief.

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

J.A. BRABHAM
LIEUTENANT GENERAL, U.S. MARINE CORPS
DEPUTY CHIEF OF STAFF FOR
INSTALLATIONS AND LOGISTICS

Type of print

J.A. Brabham

Signature

Title

4/3/94

Date

R

BRAC-95 CERTIFICATION
DATA CALL THIRTY EIGHT
NAS MIRAMAR

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

MAJOR CLAIMANT LEVEL

R. J. ZLATOPER
NAME

R. J. Zlatoper
Signature
17 December 1994
Date

Commander In Chief
Title

U. S. Pacific Fleet
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
1/11/95
Date

Title

BRAC-95 CERTIFICATION

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

DATA CALL: 38

ACTIVITY: MIRAMAR

PAGE (S): 8, 9, 13, 14, 67

BSWG REVIEW OFFICIAL

G.W. MOORE
NAME (Please type or print)

MAJOR, LONG RANGE LAND USE PLANNING
Title

G.W. Moore
Signature

2 NOV 94
Date

BRAC-95 CERTIFICATION

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

JEANNE K. PAYNE
NAME (Please type or print)
ASST. ADMIN OFFICER, G5-11
Title

Jeanne K Payne
Signature
10-14-94
Date

NAS MIRAMAR
Division
110A
Department
NAS MIRAMAR SAN DIEGO CA
Activity

R

BRAC-95 CERTIFICATION

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

R. L. CASEY

NAME (Please type or print)

COMMANDING OFFICER

Title

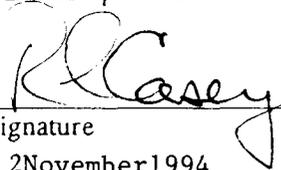
CAPTAIN, USN

Division

Department

NAVAL AIR STATION MIRAMAR

Activity


Signature

2 November 1994

Date

16

DATA CALL 64
CONSTRUCTION COST AVOIDANCES

Table 1: Military Construction (MILCON) Projects (Excluding Family Housing Construction Projects)

Installation Name:		MIRAMAR MCAS		
Unit Identification Code (UIC):		M67865		
Major Claimant:		MARCORPS		
Project FY	Project No.	Description	Appn	Project Cost Avoid (\$000)
1996	001T	AIRFIELD PAVEMENT APRONS	BRAC	43,560
1996	002T	BEQ	BRAC	96,060
1996	003T	ADMIN TRAINING FACILITIES	BRAC	16,900
1996	006T	AIRCRAFT MAINT COMPLEX	BRAC	76,670
1996	008T	OPERATIONAL SUPPORT COMPLEX	BRAC	14,420
1996	009T	UTILITIES IMPROVEMENTS	BRAC	24,200
1996	010T	MAINTENANCE FACILITIES	BRAC	22,940
		Sub-Total - 1996		294,750
1997	005T	COMMUNITY SUPT & DINING	BRAC	22,200
1997	007T	STORAGE FACILITIES	BRAC	10,830
1997	012T	TACTICAL VAN PAD FACILITY	BRAC	15,500
		Sub-Total - 1997		48,530
1998	011T	STORAGE FACILITIES	BRAC	38,090
		Sub-Total - 1998		38,090
		Grand Total		381,370

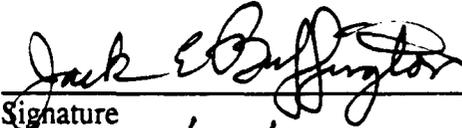
I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

J. E. BUFFINGTON, RADM, CEC, USN
NAME (Please type or print)

COMMANDER
Title

NAVAL FACILITIES ENGINEERING COMMAND
Activity


Signature
7/13/94
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
7/18/94
Date

BRAC-95 CERTIFICATION

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

MARK E. DONALDSON
NAME (Please type or print)


Signature

CDR, CEC, USN
Title

12 July 1994
Date

MILCON PROGRAMMING DIVISION
Division

FACILITIES PROGRAMMING AND CONSTRUCTION DIRECTORATE
Department

NAVAL FACILITIES ENGINEERING COMMAND
Activity

Enclosure (1)

BRAC DATA CALL NUMBER 64
CONSTRUCTION COST AVOIDANCE

Information on cost avoidance which could be realized as the result of cancellation of on-going or programmed construction projects is provided in Tables 1 (MILCON) and 2 (FAMILY HOUSING). These tables list MILCON/FAMILY HOUSING projects which fall within the following categories:

1. all programmed construction projects included in the FY1996 - 2001 MILCON/FAMILY HOUSING Project List,
2. all programmed projects from FY1995 or earlier for which cost avoidance could still be obtained if the project were to be canceled by 1 OCT 1995, and,
3. all programmed BRAC MILCON/FAMILY HOUSING projects for which cost avoidance could still be obtained if the project were to be canceled by 1 OCT 1995.

Projects listed in Tables 1 and 2 with potential cost avoidance were determined as meeting any one of the following criteria:

Projects with projected Work in Place (WIP) less than 75% of the Current Working Estimate (CWE) as of 1 OCT 1995 .

Projects with projected completion dates or Beneficial Occupancy Dates subsequent to 31 March 1996.

Projects with projected CWE amount greater than \$15M.

The estimated cost avoidance for projects terminated after construction award would be approximately one-half of the CWE for the remaining work. Close-out, claims and other termination costs can consume the other half.

**DATA CALL 63
FAMILY HOUSING DATA**

Information on Family Housing is required for use in BRAC-95 return on investment calculations.

Installation Name:	MCAS (proposed) Miramar
Unit Identification Code (UIC):	M67865
Major Claimant:	COMCABWEST

Percentage of Military Families Living On-Base:	16.5% (Footnote 1)
Number of Vacant Officer Housing Units:	3 (Footnote 2)
Number of Vacant Enlisted Housing Units:	49 (Footnote 3)
FY 1996 Family Housing Budget (\$000):	\$9,403.7 (Footnote 4)
Total Number of Officer Housing Units:	66 (Footnote 5)
Total Number of Enlisted Housing Units:	1134 (Footnote 6)

Note: All data should reflect figures as of the beginning of FY 1996. If major DON installations share a family housing complex, figures should reflect an estimate of the installation's prorated share of the family housing complex.

Footnote 1. Percentage of Military Families Living On Base taken from Naval Complex San Diego FY 96 Family Housing Survey which indicates that 16.5% of all Naval Complex permanent party personnel (including Miramar) reside in Military Family Housing in San Diego.

Footnote 2. Vacant Officer Housing. Total of 3 Vacant Officer Units developed as follows:

This figure is derived by taking 11.8% of the total vacant Commander Naval Base (CNB) officer units. The 11.8% figure is the overall percentage of permanent party Naval Complex San Diego officer personnel (7729 officers) who will be attached to NAS Miramar on 1 October 1995 (910). NAS Miramar base loading projections based upon a combination of MCAS El Toro

personnel (202 Officers) plus COMNAVAIRPAC personnel (708 Officers). 23 vacant officer units x 11.8% = 3 units.

Footnote 3. Vacant Enlisted Housing. Total of 49 Vacant Enlisted Units developed as follows:

This figure is derived by taking 15.4% of the total vacant Commander Naval Base enlisted units. The 15.4% figure is the overall percentage of permanent party Naval Complex San Diego enlisted personnel (47420 enlisted) who will be attached to NAS Miramar on 1 October 1995 (7297). NAS Miramar base loading projections based upon a combination of MCAS El Toro personnel (1464 enlisted) plus COMNAVAIRPAC personnel (5833 enlisted). 317 vacant enlisted units x 15.4% = 49 units.

Footnote 4. Family Housing Budget Total of \$9,403.7K was developed as follows:

\$9,403.7K for prorated share of CNB San Diego Budget. Total FY 96 budget planning figure of \$63,112.0K x 14.9%. 14.9% is the total percentage of Naval Complex personnel attached to NAS Miramar eligible for family housing.

Footnote 5. Total Officer Housing Units. Total of 66 Officer Units developed as follows:

This figure is derived by taking 11.8% of the total CNB officer units. The 11.8% figure is the overall percentage of permanent party Naval Complex San Diego officer personnel (7729 Officers) who will be attached to NAS Miramar on 1 October 1995 (910). NAS Miramar base loading projections based upon a combination of MCAS El Toro personnel (202 Officers) plus COMNAVAIRPAC personnel (708 Officers). 561 officer units x 11.8% = 66 units.

Footnote 6. Total Enlisted Housing Units. Total of 1134 Enlisted Units Developed as follows:

This figure is derived by taking 15.4% of the total CNB enlisted units. The 15.4% figure is the overall percentage of permanent party Naval Complex San Diego enlisted personnel (47420 enlisted) who will be attached to NAS Miramar on 1 October 1995. (7297). NAS Miramar base loading projections based upon a combination of MCAS El Toro personnel (1464 enlisted) plus COMNAVAIRPAC personnel (5833 enlisted). 7362 enlisted x 15.4% = 1134 units.

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.

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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

MajGen P. D. WILLIAMS
NAME (Please type or print)


Signature

Commanding Officer
Title

17 July 94
Date

Marine Corps Air Station El Toro
Activity

DATA CALL 63 for MCAS MIRAMAR

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

MajGen P. D. WILLIAMS
NAME (Please type or print)

Signature

Commander
Title

Date

Marine Corps Air Bases, Western Area
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. A. BRABHAM
LIEUTENANT GENERAL, U.S. MARINE CORPS
NAME (Please type or print)
DEPUTY CHIEF OF STAFF FOR
INSTALLATIONS AND LOGISTICS

Signature

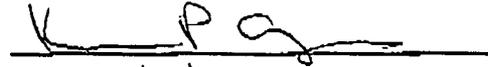
Title

Date

DATA CALL #63
BRAC-95 CERTIFICATION

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

KAREN P. AYERS
Director
Personnel Support Division
Military Family Housing
Commander, Naval Base, San Diego



7/11/94

BRAC-95 CERTIFICATION

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

Col R. P. EICHORN
NAME (Please type or print)

Deputy Assistant Chief of Staff
Title

Base Realignment and Closure
Department

Marine Corps Air Bases, Western Area
Activity



Signature
11 JUL 94

Date

Enclosure (1)

E • NATURAL SITE CONDITIONS

E-1 Acreage

23,185.24

Acreage Summary

- Miramar contains approx. 24,000 acres of which 8,000 acres are developed

Undeveloped land includes:

- 2,700 acres are reserved for vernal pools
- 1,600 acres of landfill
- 9,950 acres of AICUZ impacted lands
- 687 acres for non-DOD leases

Topography

- Elevations range from 200 to 1,000 feet

Of the approximately ~~23,600~~ acres of land comprising NAS Miramar, approximately ~~8,000~~ acres are considered developed or semi-developed. The remaining acreage is classified as undeveloped and includes ~~2,700~~ acres reserved for the study of unique vernal pool plant associations on hummocky topography. Also included in the undeveloped category is a 1,600 acre sanitary landfill, ~~9,390~~ acres designated as AICUZ impacted areas, a tank and infantry training area, and 687 acres in various leases to non-DOD agencies and companies. Undeveloped acres are managed under a multiple use philosophy including the protection of a number of sensitive or endangered plant and wildlife species. NAS Miramar Instruction 7050.2B identifies responsibilities in the use of East Miramar training areas to ensure the preservation of the natural resources of the Station.

E-2 Topography

NAS Miramar lies within the Coastal Plains geographic province. This coastal plain, varying in width from 10 to 20 miles, is terminated on the east by the Peninsular Range. Irregular topography of rolling hills and mesas is characteristic of this area. Numerous canyons serrate the flat-topped mesas. Elevations of the Station range from just over 1,000 feet in the east to just over 200 feet in the west. Refer to Figure 14, "Topography."

The area can be physiographically subdivided into three prominent sections: (1) southwesterly draining canyons that have been etched in the mesa plateaus; (2) a series of marine wave-cut terraces with elevations from 300 to 500 feet that have eroded the gently dipping conglomerates; and (3) the hills and mountains to the east, with elevations ranging from 900 to 1,200 feet.



Sycamore Canyon in East Miramar

E-4 Geology

The surface geology of NAS Miramar is illustrated on Figure 15, "Geology." The eastern upland portion of the Station is known as the Poway Group. It consists of Stadium Conglomerate overlain by softer, more erodible tongues of marine, lagoonal and non-marine sandstone known as the Mission Valley Formation, which is then overlain by Pomerado Conglomerate. The Poway formation, of the Eocene Age, has a thickness of 1,000 feet with a general lithographic character of marine and continental deposits of well-rounded boulders of granitic and volcanics, and lenses of coarse sand. This area, with highly dissected hills, is the source of material deposited in the western half of NAS Miramar. This material is either stored or eventually delivered to the sea. Landslides are common along the valley walls in the clay-rich portions of the Mission Valley and Friars formations.

West Miramar consists of gravelly marine terraces of the Lindavista formation with areas of terrace escarpment and alluvium. Lindavista formation, of the Pleistocene Age, ranges from 10 feet to 100 feet in thickness consisting of marine and fluvial deposits of clay, silt, sand, gravel and boulders, and contains abundant iron oxide concentrates. Alluvium, of more recent age, ranges up to 20 feet in thickness and consists of stream channel deposits of boulders, gravel, sand and silt.

E-4.1 Geologic Hazards

Geologic hazards associated with earthquakes include landslides, faulting, liquefaction, and ground shaking. Ground shaking is perhaps the most serious hazard to existing facilities. Landslides, faulting, and liquefaction occur to varying degrees throughout the undeveloped areas of the Station. These hazards pose no threat to existing facilities, but do represent serious constraints to future development.

Major seismic activity is not historically known in the Miramar area. However, an earthquake rated 3.0 to 3.9 on the Richter scale has been recorded with an epicenter in the proximity of the northwest corner of the Station. The area is rated as having moderate damage susceptibility because of its proximity to several major fault systems. Major regional faults located near NAS Miramar include the Elsinore/Agua Caliente (40 to 50 miles), the San Jacinto (65 miles), and the San Andreas (95 miles).

Several minor faults including the La Nacion, San Clemente, Sweetwater, and Rose Canyon fault systems traverse the region northwest of the Station. Recently active faults include the San Clemente Fault (30 miles offshore) and the Rose Canyon Fault (3 miles west of the Station). Seismic safety studies commissioned by the City and County of San Diego in 1983 indicate the existence of concealed faults in the northwest corner of the Station. These faults include portions of the Salk, Scripps, and Torrey Pines fault systems and have been extended as required based on the best interpretation of the data which was available due to the extreme differences in scale between the data and the base map. For this reason, the concealed faults in the northwest corner of the Station have not been mapped. However, further investigation is required prior to any development in this area.

A 1981 earthquake safety investigation determined that in the event of a major earthquake there is significant danger and the likelihood that the ground shaking would cause serious damage to the existing structures and utilities at NAS Miramar.

Geologic Hazards

- *Liquefaction, landslides, and faulting represent potential hazards to personnel and facilities*
- *The Station is rated as having moderate damage susceptibility to earthquakes*

Annual precipitation on the Station is about 10 inches, but a characteristic of the area's rainfall pattern is its year-to-year variability. The slight amount of rain, occurring almost all during the winter months, creates a semi-arid landscape of potential vegetation. The Mediterranean precipitation pattern can foster high erosion rates due to intense rainfall and limited ground protection. Areas with this type of climatic condition are very sensitive to small, natural climatic changes

The winter storm progression determines whether there is enough antecedent soil moisture before an intense storm to cause a high rate of soil loss. Sheet and rill erosion from intense storms have little impact if the ground is dry enough to absorb water quickly. However, if the watershed threshold is surpassed, such as when cover is disturbed, the soil compacted, or an erosion pavement formed so the water cannot be efficiently absorbed, then they will have an effect. At NAS Miramar, storm progression causing high rates of soil loss occurs maybe once or twice in twenty years. Storm progressions like this occurred in 1941, 1969, and 1978.

The occurrence of extremely dry, warm winds in the Fall (when vegetative cover is at its lowest moisture content and before rainfall has begun) gives this season the highest fire danger. Fire frequency is high at NAS Miramar with increasing risk due to man's activities and past fire suppression policies which allowed brush stands to become decadent and highly flammable. Storms occurring after a hot fire where vegetation is consumed can result in extremely high soil loss. NAS Miramar has started an aggressive program of prescribed burning to manage this hazard. Of 34 fire records covering the period of 1979-1990, nine of the fires were wildfires and the rest prescribed burns.

Table 9
SOIL CHARACTERISTICS

Code	Series	Texture	Slope%	Erodibility	Acres
AtD	Altamont	Clay	9-15	Slight	22
AtE	Altamont	Clay	15-30	Moderate1	33
CbB	Carlsbad	Gravelly loamy sand	2-5	Severe2	134
CfB	Chesterton	Fine Sandy Loam	2-5	Severe3	829
CfC	Chesterton	Fine Sandy Loam	5-9	Severe3	18
CfD2	Chesterton	Fine sandy loam, erod.	9-15	Severe 3	4
CgC	Chesterton-Urban	---	2-9	---	4
CmE2	Cieneba	Rocky coarse sandy loam, eroded	9-30	Severe4	35
DaE	Diablo	Clay	15-30	Moderate	11
FxE	Friant	Rocky fine sandy loam	9-30	Severe3	74
FxG	Friant	Rocky fine sandy loam	30-70	Severe1	99
GaF	Gaviota	Fine sandy loam	30-50	Severe1	38
LvF3	Alluvial-Huerhuero	Loam, severely eroded	9-50	Severe	5
OhC	Olivenhan	Cobbly loam	2-9	Severe4	2
OhE	Olivenhain	Cobbly loam	9-30	Severe4	11
OhF	Olivenhain	Cobbly loam	30-50	Severe1	96
RdC	Redding	Gravelly loam	2-9	Severe5	7,537
ReE	Redding	Cobbly loam	9-30	Severe5	930
RfF	Redding	Cob. loam, dissected	15-50	Severe1	10,078
Rm	Riverwash	---	---	Severe2	789
SnG	S. Miguel-Exchequer	Rocky silt loam	9-70	Severe1	51
SvE	Stony land	---	---	Severe 1	448
TeF	Cliffs	---	---	Severe1	1,532
VbB	Visalia	Gravelly sandy loam	2-5	Severe4	256

- 1 Primarily due to steepness
- 2 Primarily due to surface texture
- 3 Primarily due to shallowness or a subsoil layer
- 4 Primarily due to grade of surface structure weak, massive or single grain
- 5 Primarily due to depth to rock

Coastal Sage is found in hot, dry, generally south-facing canyon slopes or adjacent to dry wash areas in canyon bottoms. Typical species include small shrubs such as flat-topped Buckwheat (*Eriogonum fasciculatum*), White Sage (*Salvia apiana*), Black Sage (*Salvia mellifera*), Coastal Sagebrush (*Artemisia californica*), and Yellow Yarrow (*Eriophyllum conferiflorum*).

Freshwater Marsh occurs in or near the water impoundment areas identified on Figure 16, "Hydrology." It consists of marshlike plant communities including Willows (*Salix* spp.), Sedge (*Carex*), Rush (*Juncus* spp.), Cattails (*Typha latifolia*), and Bulrush (*Scirpus* spp.).

Non-native Grassland and Native species are characteristically found on mesa tops. The non-native Grassland is dominated by introduced annual grasses including Wild Oats (*Avena* spp.) and Brome Grass (*Bromus* spp.). Native grasses include Blue-eyed Grass (*Sisyrinchium bellum*), Deerweed (*Lotus scoparius*), and Needlegrass (*Stipa pulchra*).

Vernal Pools consist of a variety of specialty adapted species, unique to the Mima Mounds and on hummocky topography on the tops of terraces. It includes rare and endangered species and is discussed in detail in Section E-7.1.

A summary of vegetation found on NAS Miramar is illustrated on Figure 18, "Vegetation." Table 10, "Vegetation," identifies the acreage of each vegetation type by watershed.

E-7.1 Vernal Pools

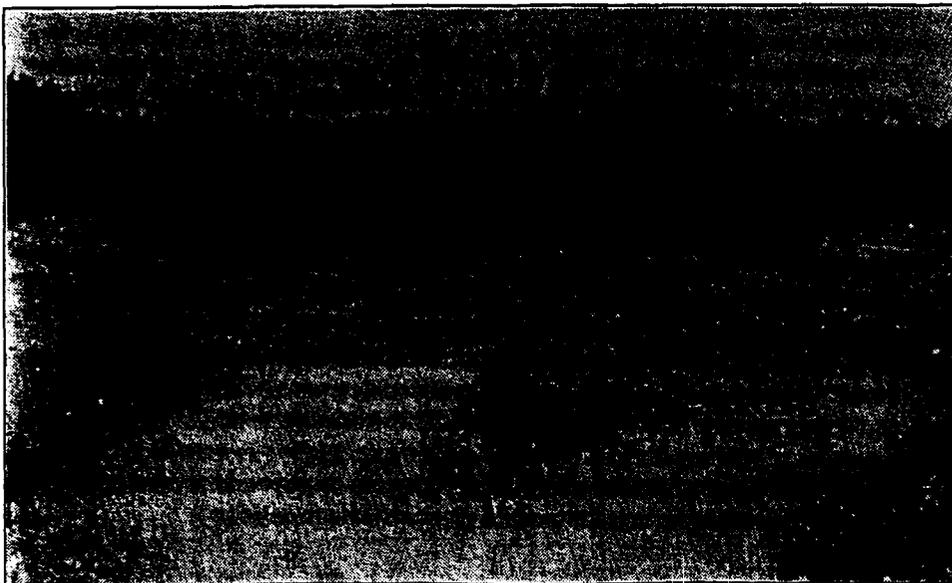
Vernal pools are small, ephemeral wetlands that develop on a variety of rills, usually underlain by hardpan. The hardpan prevents rainwater from entering the water table, and ponding occurs in depressions on the soil surface. In southern California, vernal pools develop during the seasonal rainy period that begins in late fall or early winter and usually extends into the spring.

The vernal pool plant community is unique. Over three-quarters of the species characteristic of vernal pools are found only in the California Floristic Province, an area west of the Sierra Nevada, stretching from southern Oregon to northern Baja California, Mexico.

Executive Order 11990 currently requires that federal agencies minimize the loss or degradation of wetlands and enhance their natural value. It is Department of the

Navy policy to "permit no overall net loss of Navy and Marine Corps wetlands and to avoid impacting wetlands wherever possible."

The vernal pool resource at NAS Miramar is the largest and most contiguous remaining in southern California, supporting the most important and least disturbed examples of endangered and sensitive species dependent on vernal pools in this region. The vernal pools are interspersed with native grasslands, chaparral, riparian oak woodland (along the floor of San Clemente Canyon) and dry-wash scrub along the upper reaches of San Clemente Canyon west of I-15. There is also a small area of fresh-water marsh on the floor of San Clemente Canyon west of I-15



Vernal pools are dry a high percentage of the year. During the rainy season however, some of the pools can contain a large amount of water.

Table 11
SENSITIVE PLANT SPECIES

Common Name	Scientific Name	Federal Status	State Status	Other	Habitat
San Diego Mesa Mint	<i>Pogogyne abramsii</i>	E	E	List 1B	Vernal Pools
San Diego Coyote-Thistle	<i>Eryngium aristulatum var. parishii</i>	PE	E	List 1B	Vernal Pools
California Orcutt Grass	<i>Orcuttia californica</i>	PE	E	List 1B	Vernal Pools
San Diego Navarretia	<i>Navarretia fossalis</i>	SR	---	List 1B	Vernal Pools
Orcutt's Spineflower	<i>Chorizanthe orcuttiana</i>	SR	E	List 1A	Coastal Sage/Sandy Places
Orcutt's Brodiaea	<i>Brodiaea orcuttii</i>	2	---	List 1B	Vernal Pools
Little Mousetail	<i>Myosurus minumus var. aput</i>	2	---	List 3	Vernal Pools
San Diego Barrel Cactus	<i>Ferocactus viridescens</i>	2	---	List 2	Coastal Sage/Dry Hills
San Diego Goldenstar	<i>Muilla clevelandii</i>	2	---	List 1B	Coastal Sage/Chaparral
Willow Monardella	<i>Monardella linoides ssp. viminea</i>	2	E	List 1B	Dry Wash
Palmer's Sagebrush	<i>Artemisia palmeri</i>	2	---	List 2	Coastal Sage
California Adders-Tongue Fern	<i>Ophioglossum lusitanicum ssp. californicum</i>	3c	---	List 4	Vernal Pools
Western Dichondra	<i>Dichondra occidentalis</i>	3c	---	List 4	Coastal Sage/Chaparral/S. Oak Woodland
San Diego Thornmint	<i>Acanthomintha ilicifolia</i>	SR	E	List 1B	Coastal Sage/Chaparral/Mesa
Del Mar Manzanita	<i>Arctostaphylos glandulosa var. crassifolia</i>	SR	---	---	Chaparral
Coastal Scrub Oak	<i>Quercus dumosa</i>	SR	---	---	Chaparral
San Diego Marsh Elder	<i>Iva hayesiana</i>	---	---	List 2	Alkaline Places
Wart-stemmed ceanothus	<i>Ceanothus verrucosus</i>	---	---	List 2	Chaparral
Palmer's Grappling-hook	<i>Harpagonella palmeri var. palmeri</i>	---	---	List 2	Chaparral
Pygmy Spike-moss	<i>Selaginella cinerascens</i>	---	---	List 4	Mesa/Dry Slopes
San Diego Sunflower	<i>Viguiera laciniata</i>	---	---	List 2	Coastal Sage/Chaparral

Federal and State

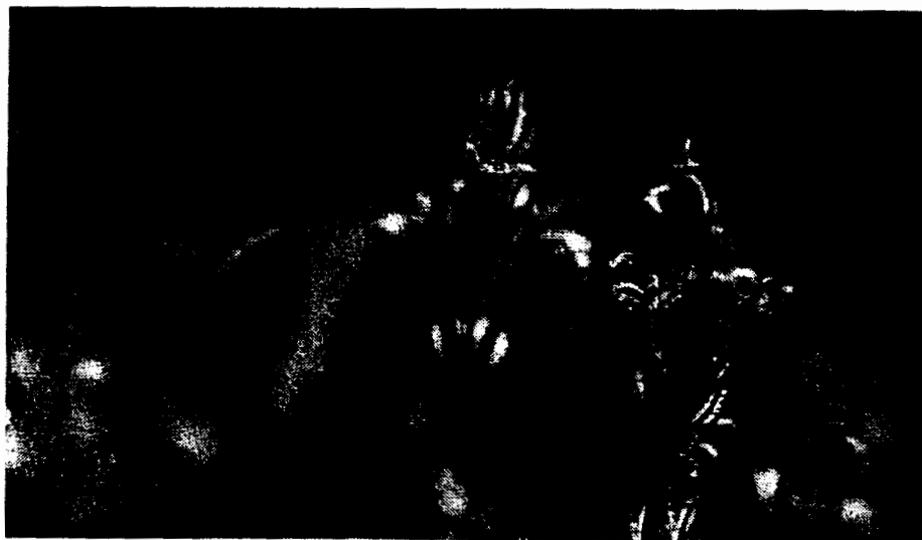
- E: Endangered List
- PE: Potential Endangered
- SR: Status Review
- 1: Support proposing endangered
- 2: Require additional biological vulnerability data
- 3c: Not threatened at this time

Other

- List 1B: Endangered in CA and elsewhere
- List 2: Rare or Endangered in CA, more common elsewhere
- List 3: Need more information
- List 4: Plants of limited distribution



Federal proposed endangered California Gnatcatcher



Federal and State endangered San Diego mesa mint

16

R

DATA CALL 64
CONSTRUCTION COST AVOIDANCES

Table 1: Military Construction (MILCON) Projects (Excluding Family Housing Construction Projects)

Installation Name:		MIRAMAR MCAS		
Unit Identification Code (UIC):		M67865		
Major Claimant:		MARCORPS		
Project FY	Project No.	Description	Appn	Project Cost Avoid (\$000)
1996	001T	AIRFIELD PARKING APRONS & PAVEMENTS	BRAC	50,297
1996	002T	BEQ PHASE I	BRAC	38,654
1996	003T	ADMIN & TRAINING FACILITIES	BRAC	16,900
1996	006T	AIRCRAFT MAINT COMPLEX	BRAC	65,970
1996	008T	OPERATIONAL SUPPORT COMPLEX	BRAC	14,420
1996	009T	UTILITIES IMPROVEMENTS	BRAC	19,750
1996	010T	MAINTENANCE FACILITIES	BRAC	22,940
		Sub-Total - 1996		228,931
1997	007T	STORAGE FACILITIES	BRAC	12,000
1997	012T	TACTICAL VAN PAD FACILITY	BRAC	15,500
1997	013T	BEQ PHASE II	BRAC	59,883
		Sub-Total - 1997		87,383
1998	005T	COMMUNITY SUPT & DINING	BRAC	22,200
1998	011T	STORAGE FACILITIES	BRAC	38,090
		Sub-Total - 1998		60,290
		Grand Total		376,604

(Revised 9 Dec 94)

(* - Cost Avoidance is less than project programmed amount)

(Page 147)

BRAC-95 CERTIFICATION

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

MICHAEL D. THORNTON
NAME (Please type or print)

CDR, CEC, USN
Title

MILCON PROGRAMMING DIVISION
Division

NAVAL FACILITIES ENGINEERING COMMAND
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

J. E. BUFFINGTON, RADM, CEC, USN
NAME (Please type or print)

COMMANDER
Title

NAVAL FACILITIES ENGINEERING COMMAND
Activity


Signature
12/9/94
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
12/17/94
Date

BRAC-95 CERTIFICATION

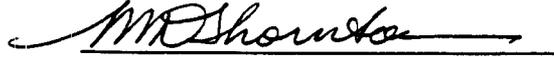
I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MICHAEL D. THORNTON
NAME (Please type or print)

CDR, CEC, USN
Title

MILCON PROGRAMMING DIVISION
Division

NAVAL FACILITIES ENGINEERING COMMAND
Activity



Signature



Date

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MAJOR CLAIMANT LEVEL

J. E. BUFFINGTON, RADM, CEC, USN
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COMMANDER
Title

NAVAL FACILITIES ENGINEERING COMMAND
Activity


Signature
12/9/94
Date

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

W. A. EARNER

NAME (Please type or print)

Title


Signature
12/17/94
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 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 the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

Gordon K. Dowery

NAME (Please type of print)
Director, DMFO

Title
OASD(HA)

Activity

Gordon K. Dowery

Signature
7/8/94

Date

**DATA CALL 66
INSTALLATION RESOURCES**

16

Activity Information:

Activity Name:	Navy Consolidated Brig Miramar
UIC:	N45611
Host Activity Name (if response is for a tenant activity):	Naval Air Station Miramar
Host Activity UIC:	N60259

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

**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.

Table 1A - Base Operating Support Costs (Other Than DBOF Overhead)			
Activity Name: Navy Consolidated Brig Miramar		UIC: N45611	
Category	FY 1996 BOS Costs (\$000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Maintenance and Repair	236	0	236
1b. Minor Construction	19	0	19
1c. Sub-total 1a. and 1b.	255	0	255
2. Other Base Operating Support Costs:			
2a. Utilities	456	0	456
2b. Transportation	42	0	42
2c. Environmental	3	0	3
2d. Facility Leases	0	0	0
2e. Morale, Welfare & Recreation	0	0	0
2f. Bachelor Quarters	0	0	0
2g. Child Care Centers	0	0	0
2h. Family Service Centers	0	0	0
2i. Administration	0	266	266
2j. Other (Specify) (See Page 3)	868	1,752	2,620
2k. Sub-total 2a. through 2j:	1,369	2,018	3,387
3. Sub- Total (sum of 1c. and 2k.):	1,624	2,018	3,642

**DATA CALL 66
INSTALLATION RESOURCES**

Table 1A Continued			
Activity Name: Navy Consolidated Brig Miramar		UIC: N45611	
Category	FY 1996 BOS Costs (\$000)		
	Non-Labor	Labor	Total
2. Other Base Operating Support Costs Continued:			
2j. Continued			
1. Base Support Services	74	1,752	1,826
2. Other Personnel Support	56	0	56
3. Real Estate & Grounds	20	0	20
4. Other Base Support	87	0	87
5. Travel	185	0	185
6. Training	26	0	26
7. Supplies & Materials	370	0	370
8. Intragovernment Purchases	50	0	50
Total of 2j.	868	1,752	2,620
Grand Total of Table 1A	1,624	2,018	3,642

**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>
----------------------	-----------------------

N/A

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..

**DATA CALL 66
INSTALLATION RESOURCES**

Table 1B - Base Operating Support Costs (DBOF Overhead)			
Activity Name: Navy Consolidated Brig Miramar			UIC: 45611
Category	FY 1996 Net Cost From UC/FUND-4 (\$000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Real Property Maintenance (> \$15K)	0	0	0
1b. Real Property Maintenance (< \$15K)	0	0	0
1c. Minor Construction (Expensed)	0	0	0
1d. Minor Construction (Capital Budget)	0	0	0
1c. Sub-total 1a. through 1d.	0	0	0
2. Other Base Operating Support Costs:			
2a. Command Office	0	0	0
2b. ADP Support	0	0	0
2c. Equipment Maintenance	0	0	0
2d. Civilian Personnel Services	0	0	0
2e. Accounting/Finance	0	0	0
2f. Utilities	0	0	0
2g. Environmental Compliance	0	0	0
2h. Police and Fire	0	0	0
2i. Safety	0	0	0
2j. Supply and Storage Operations	0	0	0
2k. Major Range Test Facility Base Costs	0	0	0
2l. Other (Specify)	0	0	0
2m. Sub-total 2a. through 2l:	0	0	0
3. Depreciation	0	0	0
4. Grand Total (sum of 1c., 2m., and 3.) :	0	0	0

**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.

Table 2 - Services/Supplies Cost Data	
Activity Name: Navy Consolidated Brig Miramar	UIC: N45611
Cost Category	FY 1996 Projected Costs (\$000)
Travel:	176
Material and Supplies (including equipment):	0
Industrial Fund Purchases (other DBOF purchases):	27
Transportation:	0
Other Purchases (Contract support, etc.):	1,431
Total:	1,634

**DATA CALL 66
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.

Table 3 - Contract Workyears	
Activity Name: Navy Consolidated Brig Miramar	UIC: N45611
Contract Type	FY 1996 Estimated Number of Workyears On-Base
Construction:	0
Facilities Support:	0
Mission Support:	0
Procurement:	0
Other:*	0
Total Workyears:	0

* **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	N/A

No. of Additional Contract Workyears Which Would Be Relocated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
0	N/A

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 of print)

Signature

Title

Date

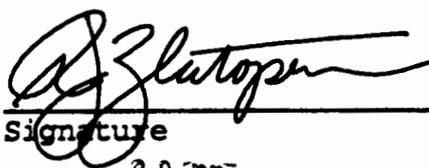
Activity

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

MAJOR CLAIMANT LEVEL

R. J. ZLATOPER, VADM

NAME (Please type or print)



Signature

CHIEF OF NAVAL PERSONNEL

Title

20 JUL 1994

Date

BUREAU OF NAVAL PERSONNEL

Activity

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

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

W.A. EARNER

NAME (Please type of print)



Signature

Title

8/4/94

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 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 be 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

M. E. McWATTERS, CDR
NAME (Please type or print)

M. E. McWatters
Signature

COMMANDING OFFICER
Title

11 July 1994
Date

Navy Consolidated Brig Miramar
Activity

16

**DATA CALL 66
INSTALLATION RESOURCES**

Activity Information:

Activity Name:	Naval Alcohol Rehabilitation Center, Miramar
UIC:	N66894
Host Activity Name (if response is for a tenant activity):	Naval Air Station Miramar
Host Activity UIC:	N60259

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

**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.

Table 1A - Base Operating Support Costs (Other Than DBOF Overhead)			
Activity Name: Naval Alcohol Rehabilitation Center Miramar		UIC: N66894	
Category	FY 1996 BOS Costs (\$000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Maintenance and Repair	2	34	36
1b. Minor Construction	0	0	0
1c. Sub-total 1a. and 1b.	2	34	36
2. Other Base Operating Support Costs:			
2a. Utilities	116	0	116
2b. Transportation	70	0	70
2c. Environmental	0	0	0
2d. Facility Leases	0	0	0
2e. Morale, Welfare & Recreation	0	0	0
2f. Bachelor Quarters	0	0	0
2g. Child Care Centers	0	0	0
2h. Family Service Centers	0	0	0
2i. Administration	0	0	0
2j. Other (Specify)	0	0	0
2k. Sub-total 2a. through 2j.:	186	0	186
3. Grand Total (sum of 1c. and 2k.):	188	34	222

**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>
----------------------	-----------------------

N/A

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..

**DATA CALL 66
INSTALLATION RESOURCES**

Table 1B - Base Operating Support Costs (DBOF Overhead)			
Activity Name: Naval Alcohol Rehabilitation Center, Miramar		UIC: N66894	
Category	FY 1996 Net Cost From UC/FUND-4 (\$000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Real Property Maintenance (> \$15K)	0	0	0
1b. Real Property Maintenance (< \$15K)	0	0	0
1c. Minor Construction (Expensed)	0	0	0
1d. Minor Construction (Capital Budget)	0	0	0
1c. Sub-total 1a. through 1d.	0	0	0
2. Other Base Operating Support Costs:			
2a. Command Office	0	0	0
2b. ADP Support	0	0	0
2c. Equipment Maintenance	0	0	0
2d. Civilian Personnel Services	0	0	0
2e. Accounting/Finance	0	0	0
2f. Utilities	0	0	0
2g. Environmental Compliance	0	0	0
2h. Police and Fire	0	0	0
2i. Safety	0	0	0
2j. Supply and Storage Operations	0	0	0
2k. Major Range Test Facility Base Costs	0	0	0
2l. Other (Specify)	0	0	0
2m. Sub-total 2a. through 2l:	0	0	0
3. Depreciation	0	0	0
4. Grand Total (sum of 1c., 2m., and 3.) :	0	0	0

**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.

Table 2 - Services/Supplies Cost Data	
Activity Name: Naval Alcohol Rehabilitation Center Miramar	UIC: N66894
Cost Category	FY 1996 Projected Costs (\$000)
Travel:	119
Material and Supplies (including equipment):	128
Industrial Fund Purchases (other DBOF purchases):	268
Transportation:	0
Other Purchases (Contract support, etc.):	208
Total:	723

**DATA CALL 66
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.

Table 3 - Contract Workyears	
Activity Name: Naval Alcohol Rehabilitation Center, Miramar	UIC: N66894
Contract Type	FY 1996 Estimated Number of Workyears On-Base
Construction:	0
Facilities Support:	0
Mission Support:	0
Procurement:	0
Other:*	1
Total Workyears:	1

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

CONTRACT TO PROVIDE SERVICE OF AN OBESITY REHABILITATION THERAPY COUNSELOR.

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)):

1

2) Estimated number of workyears which would be eliminated:

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

**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	N/A

No. of Additional Contract Workyears Which Would Be Relocated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
0	N/A

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

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

MAJOR CLAIMANT LEVEL

R. J. ZLATOPER, VADM

NAME (Please type or print)



Signature

CHIEF OF NAVAL PERSONNEL

Title

20 JUL 1994

Date

BUREAU OF NAVAL PERSONNEL

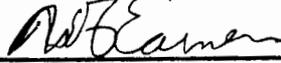
Activity

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

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

W. A. EARNER

NAME (Please type or print)



Signature

Title

8/4/94

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."

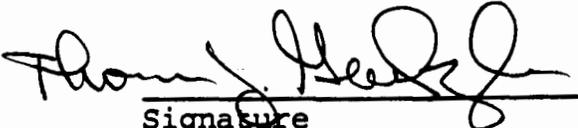
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in 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 the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

THOMAS J. GADZALA, CDR, USN
NAME (Please type of print)
COMMANDING OFFICER
Title
NAVAL ALCOHOL REHABILITATION
CENTER, MIRAMAR
Activity


Signature
7/8/94
Date

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA *KC*

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

Activity Name:	Naval Air Station Miramar
UIC:	60259
Major Claimant:	COMNAVAIRPAC

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.

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

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.

Average Appropriated Fund Civilian Salary Rate:	\$37,700
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Source of Data (1.a. Salary Rate): Apportionment Budget
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**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

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	No. of Employees Residing in County		Percentage of Total Employees	Average Distance From Base (Miles)	Average Duration of Commute (Minutes)
		Military	Civilian			
* San Diego	CA	3537	838	98.43	16	23
Riverside	CA	42	14	1.26	57	66
Orange	CA	1	1	.04%	53	60
San Bernardino	CA	-	2	.04%	100	120
Other	CA	8	-	.18%	202.5	155
Baja Mexico	-	2	-	.04%	20	30

* Does not include deployed squadrons/soon to be decommissioned squadrons.
 ** Includes geographical bachelors that travel by variation of means from outside of San Diego region.
 *** PWC did not provide civilian data. Naval Air Reserve Center and reserve squadrons did not provide data.

100%

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:

SAN DIEGO COUNTY

Source of Data (1.b. 1) & 2) Residence Data): Personnel survey/recall roster/poll

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

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)
San Diego	San Diego	14
Chula Vista	San Diego	21
Escondido	San Diego	17.5
Oceanside	San Diego	22
Tijuana	Baja, Mexico	30.5

Source of Data (1.c. Metro Areas): Greater San Diego Chamber of Commerce, Economic Bulletin, population as of January 1, 1994, Thomas Guide for San Diego County

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	8	1%
20 - 24 Years	20	3%
25 - 34 Years	108	16%
35 - 44 Years	191	28%
45 - 54 Years	206	30%
55 - 64 Years	137	20%
65 or Older	13	2%
TOTAL	683	100%

Source of Data (1.d.) Age Data): HRO records, Personnel Survey

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

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	1	.1%
9th through 11th Grade	6	.9%
12th Grade or High School Equivalency	377	55%
1-3 Years of College	173	25%
4 Years of College (Bachelors Degree)	72	11%
5 or More Years of College (Graduate Work)	54	8%
TOTAL	683	100%

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.)	344
Associate Degree	43
Bachelor Degree	71
Masters Degree	67
Doctorate	18

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

Source of Data (1.e.1 and 2) Education Level Data): HRO records, Personnel Survey

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	No. of Civilians	% of Civilians
1. Agriculture, Forestry & Fishing	01-09	1	.1%
2. Construction (includes facility maintenance and repair)	15-17	11	1.6%
3. Manufacturing (includes Intermediate and Depot level maintenance)	20-39		
3a. Fabricated Metal Products (include ordnance, ammo, etc.)	34	1	.1%
3b. Aircraft (includes engines and missiles)	3721 et al	32	4.7%
3c. Ships	3731		
3d. Other Transportation (includes ground vehicles)	various	35	5.1%

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Industry	SIC Codes	No. of Civilians	% of Civilians
3e. Other Manufacturing not included in 3a. through 3d.	various		
Sub-Total 3a. through 3e.	20-39	68	10%
4. Transportation/Communications/Utilities	40-49		
4a. Railroad Transportation	40		
4b. Motor Freight Transportation & Warehousing (includes supply services)	42		
4c. Water Transportation (includes organizational level maintenance)	44		
4d. Air Transportation (includes organizational level maintenance)	45		
4e. Other Transportation Services (includes organizational level maintenance)	47	12	1.8%
4f. Communications	48	1	.1%
4g. Utilities	49		
Sub-Total 4a. through 4g.	40-49	13	1.9%
5. Services	70-89		
5a. Lodging Services	70	1	.1%
5b. Personal Services (includes laundry and funeral services)	72	1	.1%
5c. Business Services (includes mail, security guards, pest control, photography, janitorial and ADP services)	73	3	.4%

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Industry	SIC Codes	No. of Civilians	% of Civilians
5d. Automotive Repair and Services	75		
5e. Other Misc. Repair Services	76	4	.5%
5f. Motion Pictures	78		
5g. Amusement and Recreation Services	79	36	5.2%
5h. Health Services	80	1	.1%
5i. Legal Services	81	1	.1%
5j. Educational Services	82	36	5.2%
5k. Social Services	83	37	5.4%
5l. Museums	84		
5m. Engineering, Accounting, Research & Related Services (includes RDT&E, ISE, etc.)	87	39	5.7%
5n. Other Misc. Services	89	93	13.6%
Sub-Total 5a. through 5n.:	70-89	252	36.9%
6. Public Administration	91-97		
6a. Executive and General Government, Except Finance	91	202	29.6%
6b. Justice, Public Order & Safety (includes police, firefighting and emergency management)	92	80	12.7%
6c. Public Finance	93	38	5.6%
6d. Environmental Quality and Housing Programs	95	18	2.6%
Sub-Total 6a. through 6d.		338	49.5%
TOTAL		683	100 %

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

Source of Data (1.f.) Classification By Industry Data): Personnel Roster/Poll

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

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	Percent of Civilian Employees
1. Executive, Administrative and Management	40	6.9%
2. Professional Specialty		
2a. Engineers	16	2.3%
2b. Architects and Surveyors	2	.3%
2c. Computer, Mathematical & Operations Research	13	1.9%
2d. Life Scientists		
2e. Physical Scientists		
2f. Lawyers and Judges		
2g. Social Scientists & Urban Planners		
2h. Social & Recreation Workers	47	6.9%
2i. Religious Workers		
2j. Teachers, Librarians & Counselors	33	4.8%
2k. Health Diagnosing Practitioners (Doctors)		
2l. Health Assessment & Treating(Nurses, Therapists, Pharmacists, Nutritionists, etc.)		

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

Occupation	Number of Civilian Employees	Percent of Civilian Employee s
2m. Communications	1	.1%
2n. Visual Arts	5	.7%
Sub-Total 2a. through 2n.:	117	17.1%
3. Technicians and Related Support		
3a. Health Technologists and Technicians	48	7.0
3b. Other Technologists	91	13.3%
Sub-Total 3a. and 3b.:	139	20.4%
4. Administrative Support & Clerical	170	24.9%
5. Services		
5a. Protective Services (includes guards, firefighters, police)	64	9.4%
5b. Food Preparation & Service	2	.3%
5c. Dental/Medical Assistants/Aides		
5d. Personal Service & Building & Grounds Services (includes janitorial, grounds maintenance, child care workers)	1	.1%
Sub-Total 5a. through 5d.	67	9.8%
6. Agricultural, Forestry & Fishing	2	.3%
7. Mechanics, Installers and Repairers	80	11.7%
8. Construction Trades	12	1.8%
9. Production Occupations	2	.3%
10. Transportation & Material Moving	13	1.9%

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Occupation	Number of Civilian Employees	Percent of Civilian Employee s
11. Handlers, Equipment Cleaners, Helpers and Laborers (not included elsewhere)	41	6.0%
TOTAL	683	100 %

Source of Data (1.g.) Classification By Occupation Data): HRO Records/Personnel Rosters
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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

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- 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.** Bus drivers; material moving equipment operators; rail transportation occupations; truck drivers; 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.**

1. Percentage of Military Employees Who Are Married:	61.5%
2. Percentage of Military Spouses Who Work Outside of the Home:	60.8%
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:	13%
3b. Employed "On-Base" - Non-Appropriated Fund:	8%
3c. Employed "Off-Base" - Federal Employment:	13%
3d. Employed "Off-Base" - Other Than Federal Employment	66%

Note: For consistency purposes, each base/activity answered for the military personnel assigned to their base/activity. Military spouses of military are considered as Employed "Off-Base" Federal Employment.

Source of Data (1.h.) Spouse Employment Data): Personnel Survey/recall roster
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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.

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

Refer to Table B - NAS Miramar is located in regional San Diego.

Note: For regional consistency, each base/activity evaluated the services/categories below that the community immediately outside the gate provide to the base. Many of the categories are not applicable as the service is provided by the region not the community immediately outside the gate.

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

Category	20% Increase	50% Increase	100% Increase
Off-Base Housing			
Schools - Public			
Schools - Private			
Public Transportation - Roadways			
Public Transportation - Buses/Subways			
Public Transportation - Rail			
Fire Protection			
Police			
Health Care Facilities			
Utilities:			
Water Supply			
Water Distribution			
Energy Supply			
Energy Distribution			
Wastewater Collection			
Wastewater Treatment			

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Category	20% Increase	50% Increase	100% Increase
Storm Water Collection			
Solid Waste Collection and Disposal			
Hazardous/Toxic Waste Disposal			
Recreational Activities			

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.

Refer to Table B - NAS Miramar is located in regional San Diego.

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

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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.

Note: For consistency, this is a regional response that considered a 20, 50 and 100% increase of the current total military and DOD civilian population (159,000 total) in San Diego County. The table is the ability of the civilian community to absorb the increases, it does not include the ability of the military community to absorb any increases (i.e. Health Care Facilities evaluation does not include the absorption ability of the existing Navy medical facilities).

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

Category	20% Increase	50% Increase	100% Increase
Off-Base Housing	C	C	C
Schools - Public	C	C	C
Schools - Private	B	B	B
Public Transportation - Roadways	C	C	C
Public Transportation - Buses/Subways	A	A	A
Public Transportation - Rail	A	A	A
Fire Protection	C	C	C
Police	C	C	C
Health Care Facilities	C	C	C
Utilities:			
Water Supply	C	C	C
Water Distribution	A	A	A
Energy Supply	A	B	C
Energy Distribution	A	B	C
Wastewater Collection	C	C	C

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Category	20% Increase	50% Increase	100% Increase
Wastewater Treatment	C	C	C
Storm Water Collection	C	C	C
Solid Waste Collection and Disposal	C	C	C
Hazardous/Toxic Waste Disposal	C	C	C
Recreation Facilities	B	B	B

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.

General notes: Based on the current military and DOD civilian population of 158,000, a 20% increase is 31,600 people; a 50% increase is 79,000 people; and a 100% increase is 158,000 people.

The table ratings are based on a six year absorption period. (5,666/year for a 20 % increase; 13,166/year for a 50% increase; and 26,333/year for a 100% increase.)

The ratings reflect maintaining the current Quality of Life that the San Diego region provides.

The ratings assume the military growth as being above the region's growth estimates of 50,000/year over the next 20 years.

A basic economic development question facing the State of California and its local governments is the replacement of aging infrastructure and the development of new infrastructure to meet the new economic challenges. Recent state-wide referendums that would have increased infrastructure funding for recreation activities, earthquake retrofitting of highway bridges and education facilities were defeated. The State of California estimates that the State's annual deficit is \$2 to \$3 billion; the accumulated state deficit is estimated to be \$9 billion.

At the local level, all local budgets have been reduced and restricted by State requirements

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or local policies. Essential government services are being hard hit by the recession and budgetary constraints. State and local resources do not exist to support the anticipated population growth of the County of 1 million people in the next 20 years (50,000/year). In 1993, there was a net gain of 41,050 people in San Diego County.

Based on these elements the table is biased toward the C rating regardless of an increased military presence.

Specific Comments on C Ratings:

Off Base Housing -- Large tracts of land are being held from development (much in planned development areas) due to endangered species concerns. An effort is underway to identify critical habitat throughout the County which when completed will open currently restricted lands to development. The continued poor economy is slowing the construction of new homes.

Schools - Public -- As mentioned above, essential government services are being hard hit by the recession and budgetary constraints. As can be seen from Question 3.b.1, most school districts are at capacity and have been using trailers to accommodate student growth. New school infrastructure, teachers, etc. are needed.

Public Transportation -- Roadways -- Traffic throughout San Diego County is at Level of Service (LOS) C and D. Increases in population deteriorate the LOS. New highways are planned and construction is ongoing, but the new construction can not keep pace with the population growth.

Fire Protection -- As mentioned above, essential government services are being hard hit by the recession and budgetary constraints. Additional funding is required for more firefighters, equipment and stations.

Police -- As mentioned above, essential government services are being hard hit by the recession and budgetary constraints. Additional funding is required for more police.

Health Care Facilities -- As mentioned above, essential government services are being hard hit by the recession and budgetary constraints. Again, the rating is based on the civilian community providing this service. More facilities are needed.

Water Supply -- California is dependent of water from snow melt and the Colorado River. The overall population growth in California and in the other areas that depend on these sources of water are over tapping these limited water sources. Several years of drought have resulted in water restrictions. Development of alternate water sources is needed.

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Energy Supply -- No new energy producing plants are being built in California. Development of new energy production sources, cooperative agreements with other utilities systems and infrastructure investment are needed.

Energy Distribution -- Continued development is impacting the existing distribution network. environmental concerns over high voltage transmission lines is limiting new construction. Infrastructure investment is needed.

Wastewater Collection -- An extensive program for collection and treatment is under way in most of San Diego County. This is a multi-billion dollar investment being born by the ratepayer and is due to non-compliance with the Clean Water Act. The system once completed will be sized for the anticipated population. Much of the existing collection system is old and needing repair/replacement.

Wastewater Treatment -- An extensive program for collection and treatment is under way in most of San Diego County. This is a multi-billion dollar investment being born by the ratepayer and is due to non-compliance with the Clean Water Act. The system once completed will be sized for the anticipated population.

Storm Water Collection -- During the spring rains, many areas flood due to undersized and inadequate storm water drains. Extensive development has "paved" over areas that used to absorb storm runoffs.

Solid Waste Collection and Disposal -- The existing landfills have finite lives and approvals for new landfills are years away. Extensive recycling programs and State mandated recycling goals will help reduce solid waste volume.

Hazardous/Toxic Waste Disposal -- No State facility exists for disposal of low level radioactive waste, landfills capable of accepting hazardous/toxic waste have finite lives. Hazardous/toxic waste minimization/elimination programs are necessary.

Source of Data (2.b. 1) & 2) - Regional Table): San Diego Association of Governments

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

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homes, condominiums, townhouses, mobile homes, etc., into a single rate:

Rental Units: 6.0%

Units for Sale: 1.5%

<p>Source of Data (3.a. Off-Base Housing): Family Housing Market Analysis of 12/92 by Robert D. Niehaus, Inc.</p>
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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).

THIS QUESTION WAS ANSWERED FOR SAN DIEGO COUNTY SCHOOLS ONLY.

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	
San Diego Unified School District	San Diego	112	22	16	127,000	(1)	30	32	Yes
Poway Unified School District	San Diego	18	5	3	27,884	23,000	22.5	34	Yes
Chula Vista City Elementary School District	San Diego	32	N/A	N/A	18,284	(1)	29.8	31	No
Sweetwater Union High School District	San Diego	N/A	10	9	29,000	(1)	27	27	No
South Bay Union Elementary School District	San Diego	13	N/A	N/A	9,832	(1)	33	33	No
San Ysidro Elementary School District	San Diego	5	1	N/A	3,080	(1)	30	30	No
Alpine Union Elementary School District	San Diego	3	1	N/A	2,059	1,600	26.6	30	No
Bonsall Union Elementary School District	San Diego	1 (K-3)	1 (4-8)	N/A	1,244	1,244	27	30	No
Cajon Valley Union Elementary School District	San Diego	20	4	N/A	18,223	14,870	30.3	33	No
Cardiff Elementary School District	San Diego	2	N/A	N/A	951	951	28	30	No
Dehesa Elementary School District	San Diego	1	N/A	N/A	175	210	28	32	No
Del Mar Union Elementary School District	San Diego	3	N/A	N/A	1,200	1,400	24	27	No

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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	
Encinitas Union Elementary School District	San Diego	8	N/A	N/A	5,013	6,650	28.5	28.5	No
Escondido Union Elementary School District	San Diego	14	3	N/A	15,800	(1)	30	30	No
Fallbrook Union Elementary School District	San Diego	6	1	N/A	5,930	6100	30	33	Yes
Jamul-Dulzura Union Elementary School District	San Diego	2	1	N/A	1,229	1,229	27.5	33	No
Julian Union Elementary School District	San Diego	1	1	N/A	515	(1)	30	30	No
Lakeside Union Elementary School District	San Diego	7	2	N/A	4,897	(1)	28	31	Yes
La Mesa-Spring Valley	San Diego	18	4	N/A	14,200	13,461	28.3	32	Yes
Lemon Grove Elementary School District	San Diego	6	2	N/A	4,206	(1)	27	30	Yes
National Elementary School District	San Diego	10	N/A	N/A	6,248	(1)	30	32	Yes
Pauma Elementary School District	San Diego	2	N/A	N/A	390	(1)	26	32	No
Rancho Santa Fe Elementary School District	San Diego	1	1	N/A	590	(1)	30	30	No
San Pasqual Union Elementary School District	San Diego	1	N/A	N/A	260	315	26	35	No
Santee Elementary School District	San Diego	10	8	N/A	8,123	(1)	31	32	No
Solana Beach Elementary School District	San Diego	4	N/A	N/A	1,902	(1)	27	27	No
Spencer Valley Elementary School District	San Diego	1	N/A	N/A	28	(1)	28	30	No

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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	
Vallecitos Elementary School District	San Diego	1	N/A	N/A	215	215	32	32	No
Valley Center Union Elementary School District	San Diego	2	1	N/A	2,414	(1)	28	30	No
Warner Union Elementary School District	San Diego	1	N/A	N/A	260	400	26	35	No
Escondido Union High School District	San Diego	N/A	N/A	3	6,900	(1)	30	35	No
Fallbrook Union High School District	San Diego	N/A	N/A	1	2,500	(1)	30	30	No
Julian Union High School District	San Diego	N/A	N/A	1	200	(1)	17	35	No
San Dieguito Union High School District	San Diego	N/A	3	2	7270	7270	28.5	31	No
Borrego Springs Unified School District	San Diego	1	N/A	1 (7-12)	401	(1)	30	30	No
Mountain Empire Unified School District	San Diego	6	1 (7-12)	0	2,050	2,050	30	35	No
Oceanside Unified School District	San Diego	15	3	3	18,072	18,072	30	35	Yes
Ramona Unified School District	San Diego	5	1	2	6,500	6,400	30	35	Yes
San Marcos Unified School District	San Diego	7	1	3	10,300	10,067	31	35	No
Vista Unified School District	San Diego	13	3	2	21,000	(1)	30	35	No
Carlsbad Unified School District	San Diego	7	1	1	6,706	6,706	32	35	No
Coronado Unified School District	San Diego	2	1	1	2,400	(1)	30	31	Yes
Grossmont Union High School District	San Diego	N/A	N/A	10	20,010	(1)	30	32	No

(1) District at or exceeding capacity. Schools could add trailers to increase capacity to handle overcrowding at the schools. This capacity changes rapidly as rooms are being converted from one type of class to other.

* Answer "Yes" in this column if the school district in question enrolls students who reside in government housing.

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Note: 20 Schools have been built in San Diego County the past two years, 14 are under construction and 27 are planned for construction in the next five years according to the San Diego County Department of Education. No information is available on the numbers of schools to be closed or the total increase of student enrollment.

Source of Data (3.b.1) Education Table): San Diego County Department of Education

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

There are no Section 6 Schools on any base in San Diego County.

Source of Data (3.b.2) On-Base Schools): COMNAVBASE San Diego/MCB Camp Pendleton

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 :

San Diego State University
University of California San Diego
a) Fifth College
b) John Muir College
c) Revelle College
d) Third College
e) Warren College
San Diego Miramar College
United States International University at San Diego
San Diego Mesa College
Grossmont College
University of San Diego
San Diego City College
Point Loma College
Cuyamaca College
Christian Heritage College
Southwestern College
National University
Palomar College
Mira Costa College
California Western School of Law
Western State University College of Law
New School of Architecture
California School of Professional Psychology
Chapman College
Charles H. Mason University
William Lyon University

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The University for Humanistic Studies
West Coast University
La Jolla University
Webster University
La Jolla Academy of Advertising Arts
University of Phoenix
University of La Verne

Source of Data (3.b.3) Colleges): San Diego County Department of Education/Yellow Pages
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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:

American Business College
Computerized Accounting, Administrative Secretary, Legal Secretary, Word Processing, Data Entry, and Computer Training

ABC Tech Centre City
Automotive Technology, Air Conditioning/Heating & Refrigeration, Building Maintenance(Carpentry, Plumbing, Electrical), and Private Security

ABC Tech Mission Gorge
Drafting (AUTOCAD), Electronics, Digital, Microprocessor, Computer Tech

San Diego College
Medical Assistant, Pharmacy Technician, Registered Dental Assistant, Optical Technician, Medical Office Specialist

Kelsey-Jenney Business College
Accounting and Finance, Paralegal, Court Reporting, Management/Sales & Marketing, Legal & Executive Secretarial, Computer Applications & Word Processing

Platt College
Computer Graphics, Graphic Design, Architectural or Electromechanical Drafting or Computer-Aided Drafting

Concorde Career Institute
Medical Assistant, Dental Assistant, Medical Office Management, Vocational Nurse (LVN), Paralegal, Computer Service Technician, Mirco-Computer Operator

Maric College of Medical Careers
Medical Assistant, Medical Insurance, Medical Receptionist, Medical Administration, Medical Transcriptionist, Licensed Vocational Nurse

Design Institute of San Diego
Interior Design

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Apollo College

Medical Assistant, Medical Office Secretary, Computerized Medical Office Secretary, Electronics Technician, Legal Assistant, Computerized Office Systems, and Hotel-Motel Management

Century Schools

Chef, Hotel & Restaurant Bartenders, Waiters & Waitresses, Paralegal, Legal Secretary, Bankteller, Word Processing/Typing, Security Officer/Private Investigations

Watterson College Pacific

Court Reporting, Paralegal, Word Processing/Computer Specialist, Travel and Tourism, Security Professions, and Medical Assistant

Pacific Coast College

Computerized Accounting Specialist, Data Entry Specialist, Word Processing Specialist, Computerized Office Specialist, Legal Secretarial, Medical Receptionist, Vocational Nursing, and Nursing Assistant

Academy of International Bartending

Bartending

DTI Institute

Advertising Art, Computer Graphics/Desktop Publishing, and Dental Lab Technology

Sawyer College of Business

Computerized Accounting, Legal Secretary, Electronics Technician, Word Processor, Computer Operator, and Receptionist

North Park College

Word Processor, Administrative Assistant, Micro Computer Repair Technician, Paralegal, Legal Assistant

Source of Data (3.b.4) Vo-tech Training): San Diego County Department of Education/Yellow Pages

c. Transportation.

1) Is the activity served by public transportation?

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

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Source of Data (3.c.1) Transportation): General Knowledge/Local Commuter Computer

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.

AMTRAK Station, Broadway Avenue in San Diego. Distance from base: 20 miles.

Source of Data (3.c.2) Transportation): Yellow Pages/Local Commuter

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.

San Diego International Airport (Lindbergh Field), Harbor Drive, San Diego. Distance from base: 20 miles.

Source of Data (3.c.3) Transportation): Yellow Pages/Commuter Computer

4) How many carriers are available at this airport?

12 major airlines and 4 commuter airlines.

Source of Data (3.c.4) Transportation): Yellow Pages/Commuter Computer

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5) What is the Interstate route number and distance, in miles, from the activity to the nearest Interstate highway?

Highway I-15/2 miles (east)

Highway I-805/5 miles (west)

Source of Data (3.c.5) Transportation): local records
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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.)

Good, 2 to 3 lane interior road, east of the base and 3 to 4 lane street on north perimeter, 3 gates congestion minimal.

b) Do access roads transit residential neighborhoods?
Yes.

c) Are there any easements that preclude expansion of the access road system?
Access roads leading to the station are under the jurisdiction of the city of San Diego. NAS Miramar does not control these easements.

d) Are there any man-made barriers that inhibit traffic flow (e.g., draw bridges, etc.)?
Traffic flow to the base is restricted at the gate houses by sentries for security purposes.

There is a written Memorandum of Understanding between the COMNAVBASE Federal Fire Department, the City of San Diego and the County of San Diego concerning fire protection and hazardous materials incidents. All parties will assist one

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another in responding to emergencies depending upon the nature of the scenario.

Source of Data (3.c.6) Transportation): local records
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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.

Source of Data (3.d. Fire/Hazmat): Local Records

- e. **Police Protection.**

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

Two levels of jurisdiction are held by NAS Miramar: "Exclusive Federal Criminal Jurisdiction", and "Proprietary Jurisdiction". (reference (b) refers).

- 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.

Proprietary Jurisdiction is in effect for areas of the main station (West Miramar) north of Delta Road, west to Polaris, south to Miramar Way, and west to Miramar Road. Exclusive Federal Criminal Jurisdiction is in effect for other areas of the main station, including the Flightline complex. Exclusive Federal Criminal Jurisdiction is also in effect for the area described as "East Miramar". (Reference (b) refers).

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

Agreements with local law enforcement agencies are coordinated IAW COMNAVBASE San Diego Inst 5530.2A.

- 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.

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Coordinated IAW COMNAVBASE San Diego Inst 5530.2A.

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

Source of Data (3.e. 1) - 5) - Police): NASMIRAMARINST 5820.1A/Local Records

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.

Sewer, Water - Area wide utility agreement with the city of San Diego; contract administered by Southwest Division, Naval Facilities Engineering Command.

Electric
Electricity, Gas - Area wide utility contract with San Diego Gas and Company; administered by Southwest Division, Naval Facilities Engineering Command.

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 mandatory water rationing has been imposed.

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.

There have been no significant unscheduled disruption in electricity in the

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

past 5 years.

Source of Data (3.f. 1) - 3) Utilities): Local Records
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DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

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	No. of Employees
1. Military	Active Duty - Department of Navy	122,000
2. Department of Navy Full-time Civilians	Department of Navy	36,000
3. University of California San Diego	Education	17,000
4. San Diego County	Public Service	13,000
5. San Diego Unified School District	Public Service	13,000
6. City of San Diego	Public Service	10,000
7. Sharp Healthcare	Medical	9,000
8. Martin Marietta	Manufacturing	9,000 (Note 1)
9. Scripps Memorial Hospitals	Medical	8,000
10. State of California	Public Service	7,000
11. U. S. Postal Service	Mail	6,000
12. San Diego Community College District	Education	5,100

Note 1: Martin Marietta purchased the assets of the General Dynamics Corporation in San Diego has announced the movement of most all jobs from the San Diego area.

<p>Source of Data (4. Business Profile):San Diego and Chula Vista Chambers of Commerce, Department of Navy, San Diego Association of Governments</p>

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

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:

General Dynamics sold most of its interests in San Diego and its successor Martin Marietta has announced that they will cease move most all operations from San Diego. The remaining General Dynamics asset (Convair Division) announced 1 July that they will cease operation in 1996, the loss of 2,100 jobs. All aerospace industries in San Diego (General Dynamics, Martin Marietta and Rohr) have suffered dramatically from cutbacks in defense industries and aerospace.

b. Introduction of New Businesses/Technologies:

New business growths are expected to be in the biotechnology, healthcare, computers and electronics, and telecommunications.

c. Natural Disasters:

No major disasters affecting San Diego County have occurred over past 5 years. As was shown recently in Los Angeles, there is always a potential for earthquakes.

d. Overall Economic Trends:

The economy is slow in returning from the recession that is affecting California. The area continues to have a net increase of people, however the high paying jobs are being terminated or moved out of the area. Planners at the San Diego Association of Governments predict an increase of 29,000 jobs per year till 2015.

Source of Data (5. Other Socio/Econ): San Diego Associations of Governments.

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

Miramar makes a variety of contributions to the local community, ranging from public relations events to support of city and county projects.

The major public relations event is the Miramar Air Show. Since it attracts over one million visitors each year, it represents the largest event in San Diego County. This event

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ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

allows local businesses to participate as vendors and exhibitors. The air show serves to educate the public on the role and missions of Naval Aviation. In addition, it allows the public to observe their tax dollars at work in the form of a combined effort of all the military services represented at the air show.

In support of the City of San Diego, the City's Water Reclamation Plant, Sludge Drawing Plant and Landfill are situated on station. In exchange for allowing the landfill on Miramar, the Navy Mega Port is allowed free dumping at the landfill, saving the government approximately 8 million dollars annually. Also in support of the County of San Diego, the Sheriff's Training Facility, called Duffy Town, has been located on Miramar for a number of years.

Other contributions that Miramar makes to the San Diego region include emergency access of the airfield to civilian aircraft as an alternate landing site for the Space Shuttle.

Source of Data (6. Other): Community Planning Liaison Office, NAS Miramar
--

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

MajGen P. D. WILLIAMS
NAME (Please type or print)



Signature

Commander
Title

21 JUL 1994

Date

Marine Corps Air Bases, Western Area
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. A. BRABHAM
LIEUTENANT GENERAL U.S. MARINE CORPS
NAME (Please type or print)
DEPUTY CHIEF OF STAFF FOR
INSTALLATIONS AND LOGISTICS



Signature

Title

8/12/94

Date

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

MajGen P. D. WILLIAMS
NAME (Please type or print)



Signature

Commanding Officer
Title

21 JUL 1994

Date

Marine Corps Air Station El Toro
Activity

**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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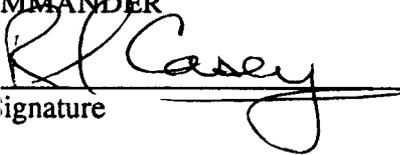
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

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

R. L. CASEY
NAME (Please type or print)
Commanding Officer
CAPT, USN
Title
NAS Miramar
Activity


Signature
15 July 1994
Date

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

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**DATA CALL 66
INSTALLATION RESOURCES**

Activity Information:

Activity Name:	MCAS (proposed) Miramar
UIC:	M67865
Host Activity Name (if response is for a tenant activity):	N/A
Host Activity UIC:	N/A

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

**DATA CALL 66
INSTALLATION RESOURCES**

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: MCAS (proposed) Miramar			UIC: M67865
Category	FY 1996 BOS Costs (\$000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Maintenance and Repair	4,618	0	4,618
1b. Minor Construction	0	0	0
1c. Sub-total 1a. and 1b.	4,618	0	4,618
2. Other Base Operating Support Costs:			
2a. Utilities	6,378	0	6,378
2b. Transportation	963	0	963
2c. Environmental	2,179	711	2,890
2d. Facility Leases	0	0	0
2e. Morale, Welfare & Recreation	376	0	376
2f. Bachelor Quarters	1090	595	1,685
2g. Child Care Centers	405	892	1297
2h. Family Service Centers	162	43	205
2i. Administration	0	2,072	2,072
2j. Other (Specify)	0	19,009	19,009

**DATA CALL 66
INSTALLATION RESOURCES**

2k. Sub-total 2a. through 2j:	11,553	23,322	34,875
3. Grand Total (sum of 1c. and 2k.):	16,171	23,322	39,493

Note: This data is identical to that provided by Navy through their chain of command.

**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>
OMN	24184
MPN	13865

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..

**DATA CALL 66
INSTALLATION RESOURCES**

Note: COMNAVAIRPAC Activities have no DBOF costs.

Table 1B - Base Operating Support Costs (DBOF Overhead)			
Activity Name: MCAS (proposed) Miramar		UIC: M67865	
Category	FY 1996 Net Cost From UC/FUND-4 (\$000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Real Property Maintenance (>\$15K)	0	0	0
1b. Real Property Maintenance (<\$15K)	0	0	0
1c. Minor Construction (Expensed)	0	0	0
1d. Minor Construction (Capital Budget)	0	0	0
1c. Sub-total 1a. through 1d.	0	0	0
2. Other Base Operating Support Costs:			
2a. Command Office	0	0	0
2b. ADP Support	0	0	0
2c. Equipment Maintenance	0	0	0
2d. Civilian Personnel Services	0	0	0
2e. Accounting/Finance	0	0	0
2f. Utilities	0	0	0
2g. Environmental Compliance	0	0	0
2h. Police and Fire	0	0	0
2i. Safety	0	0	0
2j. Supply and Storage Operations	0	0	0

**DATA CALL 66
INSTALLATION RESOURCES**

2k. Major Range Test Facility Base Costs	0	0	0
2l. Other (Specify)	0	0	0
2m. Sub-total 2a. through 2l:	0	0	0
3. Depreciation	0	0	0
4. Grand Total (sum of 1c., 2m., and 3.):	0	0	0

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: MCAS (proposed) Miramar	UIC: M67865
Cost Category	FY 1996 Projected Costs (\$000)
Travel:	51
Material and Supplies (including equipment):	1,795

**DATA CALL 66
INSTALLATION RESOURCES**

Industrial Fund Purchases (other DBOF purchases):	10,718
Transportation:	0
Other Purchases (Contract support, etc.):	3,607
Total:	16,171

**DATA CALL 66
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.

Table 3 - Contract Workyears	
Activity Name: MCAS (proposed) Miramar	UIC: M67865
Contract Type	FY 1996 Estimated Number of Workyears On-Base
Construction:	0
Facilities Support:	0
Mission Support:	256
Procurement:	0
Other:*	51
Total Workyears:	307

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

Food Preparation in the galley

**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)):

45

2) Estimated number of workyears which would be eliminated:

205

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

**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	N/A

No. of Additional Contract Workyears Which Would Be Relocated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
0	N/A

BRAC-95 CERTIFICATION

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

DATA CALL: 66

ACTIVITY: MEAS (proposed) MIRAMAR

PAGE (S): ALL

BSWG REVIEW OFFICIAL

W. J. WALLENHORST
~~Head Contact Branch~~
NAME (Please type or print)
Fiscal Division

Title


Signature

21 OCT 1994
Date

MEAS (proposed) MIRAMAR
DATA CALL 66

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 of print

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print

Signature

Title

Date

Activity

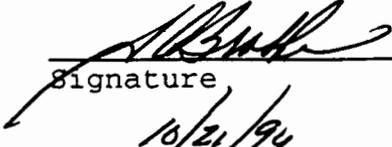
I certify that the information contained herein is accurate and complete to the best of my knowledge belief.

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

J. A. BRABHAM

NAME **DEPUTY CHIEF OF STAFF FOR** (Please type of print
INSTALLATIONS AND LOGISTICS

Title



Signature

Date

10/21/94

14

**RESPONSES TO QUESTIONS 1 AND 2 PROVIDED BY COMNAVAIRPAC.
 RESPONSE TO QUESTION 3 PROVIDED BY INDIVIDUAL STATION
 DATA INCLUDES ALL ADJUSTMENTS THROUGH 08 JULY 1994**

Activity Information:

Activity Name:	NAS MIRAMAR, CA
UIC:	60259
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

DATA CALL 66
 INSTALLATION RESOURCES
 NAS Miramar UIC 60259

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: NAS MIRAMAR, CA			UIC: 60259
Category	FY 1996 BOS Costs (\$000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Maintenance and Repair	4618		4618
1b. Minor Construction			
1c. Sub-total 1a. and 1b.	4618		4618
2. Other Base Operating Support Costs:			
2a. Utilities	6198		6198
2b. Transportation	963		963
2c. Environmental	2179	482	2661
2d. Facility Leases			
2e. Morale, Welfare & Recreation	376	681	1057
2f. Bachelor Quarters	1090	563	1653
2g. Child Care Centers	394	447	841
2h. Family Service Centers	157	199	356
2i. Administration		1961	1961
2j. Other (Specify) Retail Supply		6776	6776
Other Base Support		7063	7063
Physical Security		3902	3902
2k. Sub-total 2a. through 2j:	11357	22074	33431
3. Grand Total (sum of 1c. and 2k.):	15975	22074	38049

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>
OMN	24184
MPN	13865

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..

COMNAVAIRPAC ACTIVITIES HAVE NO DBOF COSTS

Table 1B - Base Operating Support Costs (DBOF Overhead)			
Activity Name: NAS MIRAMAR, CA		UIC: 60259	
Category	FY 1996 Net Cost From UC/FUND-4 (\$000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Real Property Maintenance (>\$15K)			
1b. Real Property Maintenance (<\$15K)			
1c. Minor Construction (Expensed)			

DATA CALL 66
 INSTALLATION RESOURCES
 NAS Miramar UIC 60259

1d. Minor Construction (Capital Budget)			
1c. Sub-total 1a. through 1d.			
2. Other Base Operating Support Costs:			
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)			
2m. Sub-total 2a. through 2l:			
3. Depreciation			
4. Grand Total (sum of 1c., 2m., and 3.) :			

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: NAS MIRAMAR, CA	UIC: 60259
Cost Category	FY 1996 Projected Costs (\$000)
Travel:	50
Material and Supplies (including equipment):	1744
Industrial Fund Purchases (other DBOF purchases):	21531
Transportation:	
Other Purchases (Contract support, etc.):	3505
Total:	26830

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: NAS Miramar	UIC: 60259
Contract Type	FY 1996 Estimated Number of Workyears On-Base
Construction:	
Facilities Support:	
Mission Support:	256
Procurement:	
Other:*	51
Total Workyears:	307

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

Food Preparation in the galley

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)):

45

2) Estimated number of workyears which would be eliminated:

205

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

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	

BRAC-95 CERTIFICATION DATA CALL SIXTY SIX

NAS MIRAMAR

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

MAJOR CLAIMANT LEVEL

R. J. KELLY
NAME (Please type or print)


Signature

Commander In Chief
Title

3 Aug 94
Date

U. S. Pacific Fleet
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

8/30/94
Date

BRAC-95 CERTIFICATION

DATA CALL 66
INSTALATION RESOURCES
NAS Miramar UIC 60259

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

NEXT ECHELON LEVEL

VADM Robert J. Spane, USN
NAME (Please type or print)


Signature

Commander
Title

19 July 1994
Date

Commander Naval Air Force, U.S. Pacific Fleet
Activity

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

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

BRAC-95 CERTIFICATION
DATA CALL 66
INSTALATION RESOURCES
NAS Miramar UIC 60259

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

CAPT R. G. Reynolds, USN
NAME (Please type or print)


Signature

Shore Activities Officer
Title

18 July 1994
Date

Division

Shore Activities
Department

Commander Naval Air Force, U.S. Pacific Fleet
Activity

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

MAJOR CLAIMANT LEVEL

J. E. BUFFINGTON, RADM, CEC, USN
NAME (Please type or print)

COMMANDER
Title

NAVAL FACILITIES ENGINEERING COMMAND
Activity


Signature
7/13/94
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
7/18/94
Date

BRAC-95 CERTIFICATION

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

MARK E. DONALDSON
NAME (Please type or print)


Signature

CDR, CEC, USN
Title

12 July 1994
Date

MILCON PROGRAMMING DIVISION
Division

FACILITIES PROGRAMMING AND CONSTRUCTION DIRECTORATE
Department

NAVAL FACILITIES ENGINEERING COMMAND
Activity

Enclosure (1)

**BRAC DATA CALL NUMBER 64
CONSTRUCTION COST AVOIDANCE**

Information on cost avoidance which could be realized as the result of cancellation of on-going or programmed construction projects is provided in Tables 1 (MILCON) and 2 (FAMILY HOUSING). These tables list MILCON/FAMILY HOUSING projects which fall within the following categories:

1. all programmed construction projects included in the FY1996 - 2001 MILCON/FAMILY HOUSING Project List,
2. all programmed projects from FY1995 or earlier for which cost avoidance could still be obtained if the project were to be canceled by 1 OCT 1995, and,
3. all programmed BRAC MILCON/FAMILY HOUSING projects for which cost avoidance could still be obtained if the project were to be canceled by 1 OCT 1995.

Projects listed in Tables 1 and 2 with potential cost avoidance were determined as meeting any one of the following criteria:

Projects with projected Work in Place (WIP) less than 75% of the Current Working Estimate (CWE) as of 1 OCT 1995 .

Projects with projected completion dates or Beneficial Occupancy Dates subsequent to 31 March 1996.

Projects with projected CWE amount greater than \$15M.

The estimated cost avoidance for projects terminated after construction award would be approximately one-half of the CWE for the remaining work. Close-out, claims and other termination costs can consume the other half.

16

**DATA CALL 66
INSTALLATION RESOURCES**

Activity Information:

Activity Name:	NAVY FIGHTER WEAPONS SCHOOL
UIC:	52912
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.

22001

DATA CALL 66
INSTALLATION RESOURCES

<u>Table 1A - Base Operating Support Costs (Other Than DBOF Overhead)</u>			
Activity Name: NAVY FIGHTER WEAPONS SCHOOL		UIC: 52912	
Category	FY 1996 BOS Costs (\$000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Maintenance and Repair	2083	5532	8315
1b. Minor Construction			
1c. Sub-total 1a. and 1b.	2083	5532	8315
2. Other Base Operating Support Costs:			
2a. Utilities	160 ✓		160 ✓
2b. Transportation	47 ✓		47 ✓
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) FACILITY SUPPORT CONTRACTS	164	580	58164
2k. Sub-total 2a. through 2j:	207371	580	275371
3. Grand Total (sum of 1c. and 2k.):	237	12132	358486

Facility Support 565
 Communications 96

454

Nancy Gerber
 FSA 7/29/94
 BA1 Analyst (Asst)

**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>
OMN	\$ 454
MPN	32

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..

DATA CALL 66
INSTALLATION RESOURCES

Table 1B - Base Operating Support Costs (DBOF Overhead)			
Activity Name: Navy Fighter Weapons School		UIC: 52912	
Category	FY 1996 Net Cost From UC/FUND-4 (\$000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Real Property Maintenance (>\$15K)			
1b. Real Property Maintenance (<\$15K)			
1c. Minor Construction (Expensed)			
1d. Minor Construction (Capital Budget)			
1c. Sub-total 1a. through 1d.	0	0	0
2. Other Base Operating Support Costs:			
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)			
2m. Sub-total 2a. through 2l:	0	0	0
3. Depreciation			
4. Grand Total (sum of 1c., 2m., and 3.) :	0	0	0

* Not a DBOF Activity

**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.

Table 2 - Services/Supplies Cost Data	
Activity Name: NAVY FIGHTER WEAPONS SCHOOL	UIC: 52912
Cost Category	FY 1996 Projected Costs (\$000)
Travel:	337 ✓
Material and Supplies (including equipment):	216 28
Industrial Fund Purchases (other DBOF purchases):	1 188
Transportation:	47 ✓
Other Purchases (Contract support, etc.):	514 933
Total:	1,115

1528

5

OP-32
MISSION SUPPORT

**DATA CALL 66
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.

Table 3 - Contract Workyears	
Activity Name: NAVY FIGHTER WEAPONS SCHOOL	UIC: 52912
Contract Type	FY 1996 Estimated Number of Workyears On-Base
Construction:	
Facilities Support:	05
Mission Support:	18
Procurement:	
Other:*	
Total Workyears:	23

* **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)):

18

2) Estimated number of workyears which would be eliminated:

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):

5

**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.)
18 ϕ	MISSION SUPPORT: TECHNICAL SERVICES, GRAPHIC DESIGN COMPUTER IMAGING

*R. Taylor
CDR USN
8/16/94
OPNAV N889K2
(703)697-7071*

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

Mr. Robert W. Thornett
NAME (Please type or print)


Signature

Director
Title

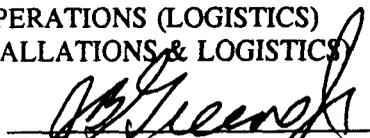
8/19/94
Date

Field Support Activity
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 AUG 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 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 the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

R.K. GALLAGHER CDR, USN
NAME (Please type of print)

COMMANDING OFFICER
Title

NAVY FIGHTER WEAPONS SCHOOL
Activity


Signature
8/12/94
Date

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	<i>Naval Air Station, Miramar, San Diego, CA</i>
Acronym(s) used in correspondence	<i>NAS Miramar, San Diego, CA</i>
Commonly accepted short title(s)	<i>NAS Miramar CA</i>

● Complete Mailing Address:
 Commanding Officer
 NAS Miramar
 45249 Miramar Way
 San Diego, CA 92145-5005

● PLAD: NAS MIRAMAR CA

● PRIMARY UIC: 60259 (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):

- 35668 NAS Miramar A/C Op Det
- 46253 NAS Miramar Security Det
- 47464 NAS Miramar TRAWING 2 Op Det
- 44322 NAS Miramar AIMD
- 46962 NAS Miramar Sea Op Det

48708

NAS Family Service Center

Change
CRAP
9402

2. PLANT ACCOUNT HOLDER:

• Yes X No _____ (check one)

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 X 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 X (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 X (check one)

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
East Miramar	Miramar, CA (EM)	N60259
Sycamore Canyon	Miramar, CA (SC)	N60259
South of 52 Freeway	Miramar, CA (NG)	N60259

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

Name	UIC	Location	Host name	Host UIC
N/A				

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. YES.

NAS Miramar was affected by BRAC 93. The Naval Air Station will be realigned to a MCAS. F-14 and E-2 consolidations will occur to NAS Oceana and NAS Norfolk, respectively by end of FY-94. Fleet F-14 and E-2 squadrons, 1 USNR VFC squadron and supporting maintenance, training and supply infrastructure will relocate to NAS Lemoore. Planned completion is Sep 97 if sufficient BRAC funding is provided. Marine Corps Air Stations, El Toro, Tustin and Kaneohe will move to the current Miramar site.

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).

Current Missions

Safety Department:

- Conduct NAVOSH Workplace Surveys (Monitor Abatement Program)

- Conduct Explosive Safety Inspections
- Provide NAVOSH Training
- Monitor Mishap Program
- Monitor Traffic Safety Program
- Provide Radiation Program
- Provide Aviation Safety Program
- Conduct Annual Mass Casualty Drills

Aircraft Intermediate Maintenance Department:

- Provide intermediate level maintenance support for F14,E2C,C2,F16,A4,FA18 aircraft totalling 246.
- Provide maintenance support for 17 "outside" activities which rely on NAS Miramar for their support.
- Participate in San Diego Region Interoperability program by conducting cross TYCOM boundary maintenance support for other "I" level units, ships and submarines in the San Diego Port Area.
- Provide maintenance support to 7 aircraft carriers, NAS Norfolk, NAS Oceana, NADEP North Island, NAS Pt. Mugu, NAS Fallon and NAS Patuxent River via the Repair and Return Program, averaging 250-275 items per site and over 2500 manhours to repair.
- Provide fully qualified SEAOPDET personnel to aircraft carriers to test and repair inductions to the ship's AIMD from those aircraft peculiar NAS Miramar.
- Conduct periodic verification and validation of aircraft and system bulletins and changes surrounding supporting ILS elements (test benches, TBIs, MAMs, etc.).
- Sole support site for F14D and E2C Group II aircraft.

Operations Department:

- Provide support and airfield services for all locally-based squadrons.

- Provide service to all types of aircraft flown by all branches of the military service.

- Provide service and support to transient squadrons conducting carrier qualifications on ships off-shore or operating/training with a local squadron.

- Provide FCLP support to aircraft stationed at NAS Miramar, NAS North Island, and other transient squadrons as required.

- Provide Bingo/Divert field services for aircraft carriers operating in the Southern California Operating Area.

- Provide support services to banner tow aircraft, both military and civilian contract.

- Provide service and support to KC-135/KC-10/NKC-135 type aircraft conducting exercises in support of aircraft carriers operating in the Southern California Operating Area.

- Provide service and support for transport type aircraft conducting large cargo shipments or large numbers of personnel in conjunction with squadron deployments.

Supply Department:

- Provide logistical support/services at NAS Miramar.

- Operate fuel facilities/provide delivery of aircraft and vehicle fuel.

- Operate Enlisted Galley facilities, provide daily rations.

- Operate Bachelor Officer Quarters.

- Operate Bachelor Enlisted Quarters.

- Provide Automated Data Processing services at NAS Miramar.

Staff Civil Engineer

- Provide planning and design support for specific, special and military construction projects along with real estate, utilities and energy resources management.

- Responsible for the maintenance and repair of real property, coordinating transportation and telephone requirements for all tenant commands.

- Ensures the station is in compliance with all federal, state, local and Navy environmental regulatory requirements related to hazardous waste, air quality, Installation Restoration sites and natural resources.

- Operates the station Self-Help Program which provides the necessary material, labor and technical support using sailors and seabees to accomplish small scale repair and construction projects.

Weapons Department:

- Provide F-14/A/D Weapons Support Air/Air - Air/Ground
- Provide F-14/E-2C Egress/Survival System Support
- Provide storage areas for squadron explosives.
- Provide rifle/pistol range for fleet quals.
- Provide weapons support for F-16 aircraft.
- Provide support for AIMD Paraloft (survival CADs).

Projected Missions for FY 1997

Aircraft Intermediate Maintenance Department:

- Gradual shifting of "I" level support to NAS Lemoore as aircraft are transferred....BRAC 93 decision.
- Provide support to VF101 Det "West" (F14D) as a result of VF124 move to NAS Oceana, cited as "separate from BRAC."
- Incorporate Marine FA18/C130/H46 support as MCAS El Toro and MCAS Tustin aircraft arrive onboard Miramar...BRAC 93 decision.
- Increase "repair and return" agreements with naval air stations that current Miramar aircraft are destined for. As aircraft are transferred and follow-on, full "I" level

support not in place, repair from Miramar and/or other interim activities (carriers, NADEPs) will expand accordingly, causing major logistics planning and execution....BRAC 93 decision.

- Establish FA18 support for TOPGUN. Operational decision separate from BRAC 93.

- Develop support for new systems associated with the F-14 "Bombcat" as the weapons system transitions to a fighter/attack posture.

Operations:

- Integrate the mission and all support/service requirements for USMC F/A-18 aircraft into the profile of NAS Miramar.

- Begin the implementation of mission and support/services for USMC H-53 and H-46 aircraft into the profile of NAS Miramar.

Staff Civil Engineer:

- Ensure a smooth turnover with the Marines to MCAS Miramar and an efficient migration to NAS Lemoore.

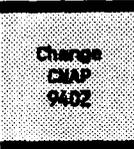
Weapons Department:

- Provide F/A-18 Weapons Support.
- Provide F/A-18 Egress/Survival System Support.

Projected Mission 2001

- Realigned as MCAS with FA-18, H-46, H-53, and C-130 assets on board. Specific information to be provided in USMC submit for miramar.

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.



Current Unique Missions

Aircraft Intermediate Maintenance Department:

- NAS Miramar is the sole supporter for F14D and E2C Group II aircraft. Activities from both coasts receive intermediate level maintenance support from this station. As the deployment increases for these type/model/series, support increases accordingly.

- Grumman Aircraft Corporation Electronic Repair Support Activity (ERSA) established at Miramar for support of Subassembly Repair Assemblies (SRAs) for F14D aircraft components NOT supported by Navy.

- NAVAIR ISSP warehouse established onboard Miramar for storage, issuing and receiving Supply assets to support F14D and E2C Group II components not yet supported via Navy organic assets. When material support date is met (Nov 95), anticipate warehouse termination.

Operations Department:

- Provide service to C-5 type aircraft transporting Atlas booster rocket shipments.
- Provide service to B-727 type aircraft conducting federal prisoner transfers.
- Provide airfield support for Disaster Response Teams departing from and arriving in the San Diego area.
- Divert for the NASA Space Shuttle Program.

Weapons Department:

- Provide F-16 Weapons Support (Chaff/Flares).
- Provide F-16 Egress System Support.
- Instruct only Explosive Drivers Safety Course in Southern California

On Board Count as of 01 January 1994

	Officers	Enlisted	Civilian (Appropriated)
● Reporting Command (60259)	<u>25</u>	<u>216</u>	<u>349</u>
● Tenants (total)	<u>2271</u>	<u>9874</u>	<u>645</u>

Change
CNAF
9402

Authorized Positions as of 30 September 1994

	Officers	Enlisted	Civ (Appr)	Non DOD
● Reporting Command (60259)	<u>24</u>	<u>218</u>	<u>409</u>	
● Tenants (total)	<u>919</u>	<u>6129</u>	<u>511</u>	<u>357</u>

Change
CNAF
9402

Change
CPT
9402

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.

Title/Name	Office	Fax	Home
● CO/OIC <u>CAPT Ronald L. Casey</u>	537-1221	537-1226	566-3223
● Duty Officer	537-1227	537-1226	[N/A]

- Staff Civil

LCDR Paz Gomez 537-1084 537-1038 566-5062

- Admin Officer

LT Heidi Holfert 537-1240 537-1226 295-4920

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.)

- Tenants residing on main complex (shore commands)

Change
CMAP
9402

Tenant Command Name	UIC	Officer	Enlisted	Civilian	CP 9402	Non - DO D Civs
Federal Fire Dept. Naval Base	00242	0	0	51		
Marine Corps, Recruit Depot	00243	0	0	0		
Fleet Industrial Supply Center(FISC) SERVMART	00244	0	0	0	3	
HRO/Noris	00246	0	0	2		
Naval Hospital, San Diego	00259	0	0	0		

Naval Air Reserve	09143	3	139	2	
Navy Exchange	30276	1	0	0	
Nav Aviation Eng SVC Unit- NAESU	30342	1	3	54	
Naval Medical Center	32547	8	35	5	
NAS Miramar A/C OPDET	35668	0	129	0	
Naval Dental Center	35735	10	19	6	
Fleet Imaging Center PAC	42343	1	27	2	
Naval Criminal Investigation Svcs.	42941	0	0	6	
Naval Publication & Printing	43640	0	0	1	
NAS Miramar - AIMD	44322	11	522	45	
Naval Consolidated Brig	45611	10	120	39	
NAS Miramar Security Det	46253	1	108	15	
F-14D FIT	46903	9	5	0	
NAS Miramar SEAOPDET	46962	0	287	0	
CARAEWPNSCH	47397	18	4	0	
FSC	48708	0	1	0	

TRAWING 2 Det	48709	0	1		
E-2C FT	49120	4	4	0	
Defense Commissary Agency	49209	0	5	0	
Navy Fighter Weapons Sch	52912	37	129	9	
Explosive Ord Det, Op 1	55321	10	17	0	
COMFITWINGPAC	55629	12	27	19	
COMAEWWINGPAC	55634	11	21	8	
CMD, Trng Command US PACFLT	57022	0	0	0	
Naval Inshore Undersea Warfare Grp 1	57092	18	63		
Navy/Marine Reserve Center	62106	0	0	3	
Naval Education & Trng Sch	63015	0	0	0	
Navy Public Works Ctr	63387	0	0	133	
Naval Base (Family Housing)	63387	0	0	7	
Naval Warfare Assessment Ctr	64267	0	0	0	
Defense Logistics Agency	65386	0	0	0	
Defense Nuclear Agency	65461	0	0	0	11

Naval Aviation Depot	65888	0	0	28	
NOSC ROT&E Div	66001	0	0	1	
Naval Air Maint Trng GP Det	66064	2	147	1	
Naval Oceanographic Cmd Fac	66472	1	6	2	
CBU 405	66649	1	44	0	
Flt Aviation Spec Op Trng (FASO)	66656	1	20	11	
Naval Alcohol Rehab Ctr	66894	10	76	42	
Marine Corps Res Trng Ctr 4th Tnk	67680	0	0	0	
Personnel Support Acty	68557	2	70	15	
S.W.Div NAVFCENCOM/ROICC	68711	1	0	4	
Naval Reserve Recruiting	68917	0	0	0	
NAVAIR Warfare Ctr Pt Mugu	68936	0	0	0	
Naval Computer & Telecom Sta	70240	0	0	0	

Change
CPF
9402

Change
CNAF
9402

● Tenants residing on main complex (homeported units.)

Tenant Command Name	UIC	Officer	Enlisted	Civilian
VAW-110	09048	25	138	0
VAW-88	09074	34	150	
VF-211	09086	34	212	
VF-124 -FRS	09095	73	609	0
VF-301	09108	37	263	
VF-2	09113	43	247	
VF-302	09120	41	275	
CVW-14	09261	11	20	
CVWR-30	09394	11	24	
VAW-112	09458	29	124	
VAW-113	09459	29	124	
VAW-114	09462	29	124	
VAW-116	09465	29	124	
VF-31	09473	33	221	
VF-51	09475	31	199	
VF-126	09481	19	22	
VF-11	09560	31	207	
VF-111	09603	34	212	
CVW-11	09734	11	20	
CVW-2	09742	10	18	
CVW-15	09747	10	17	

VF-24	09932	31	199	
VF-213	09934	43	244	
VAW-117	09985	29	124	
VAW-110 (Students)	30658	0	0	
VFC-13	52995	29	183	
VF-124 C/C (Students)	65563	0	0	

The following tenants due to Decom/move during 1994:

VAW-110 09048
 VF-124 09095
 VF-126 09481
 VAW-88 09074
 VF-301 09108
 VF-302 09120
 CVWR-30 09394

• 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
N/A					

• Tenants (Other than those identified previously)

Tenant Command Name	UIC	Officer	Enlisted	Civilian	Non-DOD Civs
Army ROTC	N/A	0	0	0	
LORAL	N/A	0	0	0	1

Change
 CNAP
 9402

Calif. Army Nat. Guard 185th	N/A	0	0	0	
Pratt & Whitney	N/A	0	0	0	1
San Diego County Sheriff	N/A	0	0	0	8
Calif. Army National Guard Co. B	N/A	0	0	0	
McDonald Douglas	N/A	0	0	0	4
Litton	N/A	0	0	0	1
Dimensions International (NAVAIR)	N/A	0	0	0	2
Rail	N/A	0	0	0	1
General Electric (Kansas)	N/A	0	0	0	4
Allison Gas Turbine Div. of G.E.	N/A	0	0	0	1
Grumman Aircraft	N/A	0	0	0	32
Martin/Baker	N/A	0	0	0	1
Martin/Marietta	N/A	0	0	0	2
Sanders	N/A	0	0	0	1
Union Bank	N/A	0	0	0	10
Hughes Aircraft Co.	N/A	0	0	0	5

SATO	N/A	0	0	0	2
Boy Scouts	N/A	0	0	0	0
Gun Club	N/A	0	0	0	7
U.S. Post Office	N/A	0	0	0	2
Lockheed	N/A	0	0	0	97
6220th US Army Reserve School	N/A	0	0	0	0
S.M. Harris	N/A	0	0	0	0
San Diego Air National Guard (147th)	N/A	0	0	0	0
American Red Cross	N/A	0	0	0	1
Navy/Marine Relief Society	N/A	0	0	0	8
63rd US Army Reserve Command	N/A	0	0	0	0
HDQTRS 7th Infantry Div. Ft. Ord	N/A	0	0	0	0
1st/V Marine Expeditionary Force	N/A	0	0	0	0
FAA Western Region	N/A	0	0	0	82
U.S. Customs Svs	N/A	0	0	0	0
Army Med Det Ft. Irwin-Vet	N/A	0	0	0	0

U.S. Forest Service	N/A	0	0	0	10
McDonalds	N/A	0	0	0	60
Department of Army 1st Phyc Ops Co.	N/A	0	0	0	0

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.)
N/A		

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"x42" (2 copies, if available); and 11"x17" (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, 8½"x11".)

- **Air Installations Compatible Use Zones (AICUZ) Map.** (Provide 12 copies.)

INSTALLATION DATA

GENERAL INFORMATION

This is the first Data Call for the 1995 base realignment and closure (BRAC-95) process. This General Information Data Call is designed to provide the Base Structure Evaluation Committee (BSEC) with a broad view of each installation, looking across the entire range of missions performed, who performs them, and the geographic alignment of each installation (internal to itself and the relationship to the surrounding community). The desired end result of this Data Call is to give the BSEC a complete picture of the shore facility infrastructure and general information on every organization performing a mission for the Department of the Navy today. This review is not limited to "above threshold" activities (those activities with more than 300 civilian personnel). It is absolutely imperative that all organizations complete the appropriate information about their organization so that follow-on Data Calls can be correctly focused and complete. There will be other Data Calls organized by category/subcategory (function) to gather information on military value, capacity, and economic/environmental impact.

The activities receiving this Data Call will fall into one of three categories: host command; tenant command; or independent activity. Each activity will be asked to identify themselves into one of these three categories. Due to the broad nature of the Data Call, not all questions will be applicable to all respondents, but all questions require a complete response. If a question is not applicable to your organization, clearly mark the response as "N/A"; do not leave blank.

The Data Call has been structured so that all responses, with the exception of the facility maps, can be made within the Data Call without the need to provide enclosures. The format for the tabular data allows for the expansion of each row as additional data is inputted, by pressing "enter" each time a new entry is made. Responses should be as complete and concise as possible.

In accordance with SECNAVNOTE 11000 of 08 December 1993, pertaining to the BRAC-95 process, all data provided must be certified and will be submitted hardcopy. Distribution of the Data Calls will flow through the operational command structure and inquiries should be directed in that manner to facilitate consistent and informative responses.

BRAC-95 CERTIFICATION

Activity: NAS MIRAMAR

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

MAJOR CLAIMANT LEVEL

J. R. FITZGERALD
NAME (Please type or print)
Commander in Chief
Title

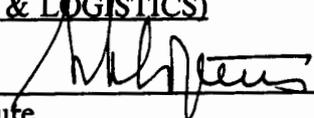

Signature
2/15/94
Date

U. S. Pacific Fleet
Activity (Acting)

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)

S. F. Loftus
Vice Admiral U.S. Navy
NAME (Please type or print)
Deputy Chief of Naval
Operations (Logistics)
Title


Signature
22 FEB 1994
Date

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."

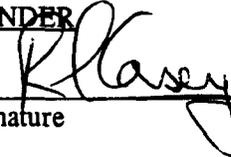
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

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

R. L. CASEY, CAPT, USN
NAME (Please type or print)


Signature

Commanding Officer
Title

31 January 1994
Date

Naval Air Station Miramar
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)

VADM R. J. SPANE, USN
NAME (Please type or print)
COMMANDER
Title
NAVAL AIR FORCE, U.S. PACIFIC FLEET
Activity


Signature
FEB 14 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)

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

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.

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

NAME (Please type or print)

Title

Signature

Date

16

**ENVIRONMENTAL DATA CALL:
DATA CALL TO BE SUBMITTED TO
ALL NAVY/MARINE CORPS HOST ACTIVITIES**

**NAVAL AIR STATION, MIRAMAR
DATACALL #33**

**BRAC 1995 ENVIRONMENTAL DATA CALL:
All Navy/Marine Corps Host Activities**

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Activity List

<u>LIST</u>	<u>UIC</u>
NPPSO SD CA	N62706
PWC SD CA	N63387
NAVOCEANCOMDET MIRAMAR	N66472
CBU 405 SD CA	N66649
FASOTRAGRUPAC DET MIRAMAR CA	N66658
NAVALREHCEN MIRAMAR CA	N66894
CAA CTR SD CA	N63117
PERSUPPACT SD CA	N68553
SWNAVFACENGCO M SD CA	N68711
NAVCOMTELSTA SD CA	N70240
NAVY AT ARMY ACTIVITIES	WARMY
4TH TANK BN 4TH MARDIV	MX1134
NAVHOSP SD CA	N00259
NAVMARCORESREDCEN SD	N62106
NCCOSC RDTEDIV SD CA	N66001
NAVBASSE SD CA	N00242
FLEET INDUSTRIAL SUP CEN SD	N00244
NAVAIRESCEN MIRAMAR CA	N09143
COMFITWINGPAC	N55629
COMAEWWINGPAC	N55634
NAESU DET MIRAMAR CA	N30342
FLT IMAGING CEN PAC MIRAMAR	N42343
NISRA	N42941
NAVCOMBRIG MIRAMAR CA	N45611
NAVFITWEPSCOLSD CA	N52912
NAV WEP STA SEAL BEACH CA	N60701
NEXCEN SD CA	N66105
NAVAL RESALEACT MIRAMAR CA	N66284

1. ENDANGERED/THREATENED SPECIES AND BIOLOGICAL HABITAT

1a. For federal or state listed endangered, threatened, or category 1 plant and/or animal species on your base, complete the following table. Critical/sensitive habitats for these species are designated by the U. S. Fish and Wildlife Service (USFWS). A species is present on your base if some part of its life-cycle occurs on Navy controlled property (e.g., nesting, feeding, loafing). Important Habitat refers to that number of acres of habitat that is important to some life cycle stage of the threatened/endangered species that is not formally designated.

SPECIES (plant or animal)	Designation (Threatened/ Endangered)	Federal/ State	Critical / Designated Habitat (Acres)	Importan t Habitat (acres)
<i>example: Haliaeetus leucocephalus - bald eagle</i>	<i>threatened</i>	<i>Federal</i>	25	0
<i>Pogogyne abramsii - San Diego mesa mint</i>	Endangered	Federal/ State	N/A	2000
<i>Eryngium aristulatum var. parishii - San Diego button celery</i>	Endangered	Federal/ State	N/A	2000
<i>Orcuttia californica - California Orcutt's grass</i>	Endangered	Federal/ State	N/A	2000
<i>Streptocephalus woottoni - Riverside fairy shrimp</i>	Endangered	Federal	N/A	2000
<i>Vireo bellii pusillus - Least Bell's vireo</i>	Endangered	Federal	N/A	173
<i>Navarretia fossalis - San Diego navarretia</i>	Category 1	Federal	N/A	2000
<i>Acanthomintha ilicifolia - San Diego thornmint</i>	Category 1/ Endangered	Federal/ State	N/A	6000 (poten- tial)
<i>Monardella linoides ssp. viminea - Willowy monardella</i>	Endangered	State	N/A	156
<i>Sylvilagus bachmani - Brush rabbit</i>	Category 1	Federal	N/A	156
<i>Polioptila californica - California gnatcatcher</i>	Proposed Endangered	Federal	N/A	6000
<i>Arctostaphylos glandulosa ssp. crassifolia - Del Mar manzanita</i>	Proposed Endangered	Federal	N/A	3640 (poten- tial)

<i>2Baccharis vanessae</i> - San Diego coyote bush	Proposed Endangered	Federal	N/A	3640 (potential)
<i>Chorizanthe orcuttiana</i> - Orcutt's spineflower	Proposed Endangered	Federal	N/A	4000 (potential)
<i>Corethrogyne filaginifolia</i> var. <i>linifolia</i> - California Aster	Proposed Threatened	Federal	N/A	4000 (potential)
<i>Dudleya blochmaniae</i> ssp. <i>brevifolia</i> - Short-leaved dudleya	Proposed Endangered	Federal	N/A	3640 (potential)

Source Citation: U.S Fish and Wildlife Service and NAS Miramar Geographic Information System

1b.

<p>Have your base operations or development plans been constrained due to:</p> <ul style="list-style-type: none"> - USFWS or National Marine Fisheries Service (NMFS)? - State required modifications or constraints? <p>If so, identify below the impact of the constraints including any restrictions on land use.</p> <p>Base operations and development are constrained by the five federally listed endangered species that occur on station. Vernal pools (wetland habitat for four endangered species) are regulated by U.S. Fish and Wildlife Service and the U.S. Army Corps of Engineers. Land use planning and coordination with the regulatory agencies are required to ensure compliance with these regulations.</p>	YES
<p>Are there any requirements resulting from species not residing on base, but which migrate or are present nearby? If so, summarize the impact of such constraints.</p>	NO

1c. If the area of the habitat and the associated species have not been identified on base maps provided in Data Call 1, submit this information on an updated version of Data Call 1 map.

See attached map. ATTACHMENT (A)

1d.

Have any efforts been made to relocate any species and/or conduct any mitigation with regards to critical habitats or endangered/threatened species? Explain what has been done and why.	YES
--	-----

In 1987, NAS Miramar contracted with a local university to create vernal pool habitat on NAS Miramar to mitigate the damage due to military construction. In 1994, a restoration and enhancement project was conducted on NAS Miramar property to introduce two native endangered species into historic habitat. In addition, mitigation for impacts to vernal pools have included removal of exotic plant species from existing pool basins, fencing and signage.

1e.

Will any state or local laws and/or regulations applying to endangered/threatened species which have been enacted or promulgated but not yet effected, constrain base operations or development plans beyond those already identified? Explain.	NO
---	----

2. WETLANDS

Note: Jurisdictional wetlands are those areas that meet the wetland definitional criteria detailed in the Corps of Engineers (COE) Wetland Delineation Manual, 1987, Technical Report Y-87-1, U.S. Army Engineer Waterway Experiment Station, Vicksburg, MS or officially adapted state definitions.

2a.

Does your base possess federal jurisdictional wetlands?	YES
Has a wetlands survey in accordance with established standards been conducted for your base?	NO, see below
When was the survey conducted or when will it be conducted? ___/___/___	See below
What percent of the base has been surveyed?	90%
What is the total acreage of jurisdictional wetlands present on your base?	2265

1. A National Wetlands Inventory was recently completed by a consultant via a Chesapeake Division, Naval Facilities Engineering Command contract. The maps have not been made available to NAS Miramar at this time.

2. From March to May 1993, the NAS Miramar Staff Civil Engineer Department conducted a survey of vernal pools on the air station. The survey relied on the hydrophytic vegetation in

and around the vernal pool basin to determine the extent of the pool. However, the purpose of the survey was to determine the approximate location of the vernal pools. The size of the individual basins are based on visual estimates not on quantitative measurements.

3. The acreage estimations for riparian, open water and flood/stream channels are based on a vegetation survey conducted by San Diego State University in 1993. Periodicity of inundation and soil testing were not conducted to determine the wetlands acreage.

Source Citation: San Diego State University, NAS Miramar Staff Civil Engineer Department

2b. If the area of the wetlands has not been identified on base maps provided in Data Call 1, submit this on an updated version of Data Call 1 map.

See attached map ATTACHMENT (B).

2c. Has the EPA, COE or a state wetland regulatory agency required you to modify or constrain base operations or development plans in any way in order to accommodate a jurisdictional wetland? No If YES, summarize the results of such modifications or constraints.

3. CULTURAL RESOURCES

3a.

Has a survey been conducted to determine historic sites, structures, districts or archaeological resources which are listed, or determined eligible for listing, on the National Register of Historic Places? If so, list the sites below.	NO
--	----

3b.

Has the President's Advisory Council on Historic Preservation or the cognizant State Historic Preservation Officer required you to mitigate or constrain base operations or development plans in any way in order to accommodate a National Register cultural resource? If YES, list the results of such modifications or constraints below.	NO
--	----

3c.

Are there any on base areas identified as sacred areas or burial sites by Native Americans or others? List below.	YES
---	-----

Portions of NAS Miramar was occupied by the citizens of the community of Linda Vista. Old homesteads and a cemetery are located on station.

4. ENVIRONMENTAL FACILITIES

Notes: If your facility is permitted for less than maximum capacity, state the maximum

capacity and explain below the associated table why it is not permitted for maximum capacity. Under "Permit Status" state when the permit expires, and whether the facility is operating under a waiver. For permit violations, limit the list to the last 5 years.

4a.

Does your base have an operating landfill?				SEE BELOW	
ID/Location of Landfill	Permitted Capacity (CYD)		Maximum Capacity (CYD)	Contents ¹	Permit Status
	TOTAL	Remaining			
SEE BELOW					

¹ Contents (e.g. building demolition, asbestos, sanitary debris, etc)

There is a landfill on NAS Miramar that is operated by the City of San Diego. All City solid waste is directed to the landfill. All local Navy installations use the landfill at no cost. This landfill supports the entire city of San Diego which has a population of over 1 million people. Approximately 1400 acres of NAS Miramar is leased to the City of San Diego for landfill use. Any permits or environmental requirements are the city's responsibility.

Are there any current or programmed projects to correct deficiencies or improve the facility.

N/A

4b. If there are any non-Navy users of the landfill, describe the user and conditions/agreements.

N/A

4c.

Does your base have any disposal, recycling, or incineration facilities for solid waste?					NO
Facility/Type of Operation	Permitted Capacity	Ave Daily Throughput	Maximum Capacity	Permit Status	Comments
N/A					

List any permit violations and projects to correct deficiencies or improve the facility.

4d.

Does your base own/operate a Domestic Wastewater Treatment Plant (WWTP) ?	NO
---	----

ID/Location of WWTP	Permitted Capacity	Ave Daily Discharge Rate	Maximum Capacity	Permit Status	Level of Treatment/Year Built
N/A					

List permit violations and discuss any projects to correct deficiencies. N/A

4e. If you do not have a domestic WWTP, describe the average discharge rate of your base to the local sanitary sewer authority, discharge limits set by the sanitary sewer authority (flow and pollutants) and whether the base is in compliance with their permit. Discuss recurring discharge violations.

Average discharge rate of the base to local sanitary sewer authority: 600,000 gallons/day

Discharge limits set by sanitary sewer authority: 628,000 gallons/day.

NAS Miramar is in compliance with our permit. There are no recurring discharge violations.

4f.

Does your base operate an Industrial Waste Treatment Plant (IWTP)?					NO
ID/Location of IWTP	Type of Treatment	Permitted Capacity	Ave Daily Discharge Rate	Maximum Capacity	Permit Status
N/A					

List any permit violations and projects to correct deficiencies or improve the facility. N/A

4g. Are there other waste treatment flows not accounted for in the previous tables? Estimate capacity and describe the system.

N/A

4h.

Does your base operate drinking Water Treatment Plants (WTP)?				NO	
ID/Location of WTP	Operating (GPD)		Method of Treatment	Maximum Capacity	Permit Status
	Permitted Capacity	Daily Rate			
N/A					

List permit violations and projects/actions to correct deficiencies or improve the facility. N/A

4i. If you do not operate a WTP, what is the source of the base potable water supply. State terms and limits on capacity in the agreement/contract, if applicable.

Potable water is supplied by the San Diego County Water Authority. There are no terms or limits currently on usage according to an agreement with the Navy.

4j.

Does the presence of contaminants or lack of supply of water constrain base operations. Explain.	NO
--	----

4k.

Other than those described above does your base hold any NPDES or stormwater permits? If YES, describe permit conditions.	YES
If NO, why not and provide explanation of plan to achieve permitted status.	

NAS Miramar has a State of California General Industrial Storm Water Permit. The permit prohibits non-storm water discharges (including illicit connections) and discharges containing hazardous substances in storm water in excess of reportable quantities established at 40 CFR 117.3 and 40 CFR 302.4. Provisions of Sections 301 and 402 of the Clean Water Act apply and require control of pollutant discharges which use best available technology economically achievable (BAT) and best conventional pollutant control technology (BCT) to reduce pollutants. At this time, there are no numerical effluent limitatins at any specific discharge locations.

4l.

YES/NO

Does your base have bilge water discharge problem?	NO
Do you have a bilge water treatment facility?	NO

Explain:

4m.

Will any state or local laws and/or regulations applying to Environmental Facilities, which have been enacted or promulgated but not yet effected, constrain base operations or development plans beyond those already identified? Explain.	NO
---	----

4n. What expansion capacity is possible with these Environmental Facilities? Will any expansions/upgrades as a result of BRACON or projects programmed through the Presidents budget through FY1997 result in additional capacity? Explain.

N/A - None of the above facilities are operated by NAS Miramar or on NAS Miramar.

4o. Do capacity limitations on any of the facilities discussed in question 4 pose a present or future limitation on base operations? Explain.

N/A

5. AIR POLLUTION

5a.

What is the name of the Air Quality Control Areas (AQCA) in which the base is located? _SAN DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT (SDCAPCD)
Is the installation or any of its OLFs or non-contiguous base properties located in different AQCA's? _NO_. List site, location and name of AQCA.

5b. For each parcel in a separate AQCA fill in the following table. Identify with an "X" whether the status of each regulated pollutant is: attainment/nonattainment/maintenance. For those areas which are in non-attainment, state whether they are: Marginal, Moderate, Serious, Severe, or Extreme. State target attainment year.

Site: NAS MIRAMAR AQCA: SDCAPCD

Pollutant	Attainment	Non-Attainment	Maintenance	Target Attainment Year ¹	Comments ²
CO		Moderate		1995	
Ozone		Severe		2005	
PM-10		Un-classified			
SO ₂	X				
NO ₂	X				
Pb	X				

Unclassified - EPA has not designated a non-attainment classification in San Diego for PM-10. However, we are in moderate non-attainment for PM-10 under state designation.

¹ Based on national standard for Non-Attainment areas or SIP for Maintenance areas.

² Indicate if attainment is dependent upon BRACON, MILCON or Special Projects. Also indicate if the project is currently programmed within the Presidents FY1997 budget.

5c. For your base, identify the baseline level of emissions, established in accordance with the Clean Air Act. Baseline information is assumed to be 1990 data or other year as specified. Determine the total level of emissions (tons/yr) for CO, NOx, VOC, PM10 for the general sources listed. For all data provide a list of the sources and show your calculations. Use known emissions data, or emissions derived from use of state methodologies, or identify other sources used. "Other Mobile" sources include such items as ground support equipment.

Emission Sources (Tons/Year)					
Pollutant	Permitted Stationary	Personal Automobiles	Aircraft Emissions	Other Mobile	Total
CO	28.22	Unknown	Unknown	4.72	32.94
NOx	33.52	Unknown	Unknown	5.42	38.94
VOC	95.32	Unknown	Unknown	0.33	95.65
PM10	5.46	Unknown	Unknown	0.23	5.69

Source Document: 1990 Air Emission Inventory

Unknowns: Currently no requirement to monitor these emissions.

* Reference attached 1990 emission inventory calculation sheets.

5d. For your base, determine the total FY1993 level of emissions (tons/yr) for CO, NOx, VOC, PM10 for the general sources listed. For all data provide a list of the sources and show your calculations. Use known emissions data, or emissions derived from use of state methodologies, or identify other sources used. "Other Mobile" sources include such items as ground support equipment.

Emissions Sources (Tons/Year)					
Pollutant	Permitted Stationary	Personal Automobiles	Aircraft Emissions	Other Mobile	Total
CO	17.91	Unknown	Unknown	9.21	27.12
NOx	31.52	Unknown	Unknown	7.16	38.68
VOC	77.72	Unknown	Unknown	0.61	78.33
PM10	3.13	Unknown	Unknown	1.02	4.15

Source Document: 1993 Air Emission Inventory

Unknowns: Currently no requirement to monitor these emissions.

* Reference attached 1993 emission inventory calculation sheets.

HYD TEST STANDS PERMIT/SERIAL NO.	CAPACITY	FUEL GAL	FUEL TYPE	CO EF LB/GAL	NOx EF LB/GAL	VOC EF LB/GAL	PM EF LB/GAL	CO TPY	NOx TPY	VOC TPY	PM TPY
NFT 232	96HP	1127	JP-5	0.484	0.49	0.0362	0.0246	0.272734	0.276115	0.020399	0.013862
NFT 257	96HP	825	JP-5	0.484	0.49	0.0362	0.0246	0.19965	0.202125	0.014933	0.010148
NFT 318	96HP	990	JP-5	0.484	0.49	0.0362	0.0246	0.23958	0.24255	0.017919	0.012177
NFT 321	96HP	1100	JP-5	0.484	0.49	0.0362	0.0246	0.2662	0.2695	0.01991	0.01353
NFT 326	96HP	880	JP-5	0.484	0.49	0.0362	0.0246	0.21296	0.2156	0.015928	0.010824
NFT 120	96HP	990	JP-5	0.484	0.49	0.0362	0.0246	0.23958	0.24255	0.017919	0.012177
NFT 140	96HP	1210	JP-5	0.484	0.49	0.0362	0.0246	0.29282	0.29645	0.021901	0.014883
NFT 144	96HP	1900	JP-5	0.484	0.49	0.0362	0.0246	0.47916	0.4851	0.035838	0.024354
NFT 146	96HP	825	JP-5	0.484	0.49	0.0362	0.0246	0.19965	0.202125	0.014933	0.010148
NFT 148	96HP	1210	JP-5	0.484	0.49	0.0362	0.0246	0.29282	0.29645	0.021901	0.014883
NFT 362	96HP	770	JP-5	0.484	0.49	0.0362	0.0246	0.18634	0.18865	0.013937	0.009471
NFT 363	96HP	1155	JP-5	0.484	0.49	0.0362	0.0246	0.27951	0.282975	0.020906	0.014207
NFT 391	96HP	440	JP-5	0.484	0.49	0.0362	0.0246	0.10648	0.1078	0.007964	0.005412
ONB 070	96HP	550	JP-5	0.484	0.49	0.0362	0.0246	0.1331	0.13475	0.009955	0.006765
ONB 124	96HP	825	JP-5	0.484	0.49	0.0362	0.0246	0.19965	0.202125	0.014933	0.010148
ONB 139	96HP	825	JP-5	0.484	0.49	0.0362	0.0246	0.19965	0.202125	0.014933	0.010148
ONB 146	96HP	715	JP-5	0.484	0.49	0.0362	0.0246	0.17303	0.175175	0.012942	0.008795
AIR COND UNITS											
PERMIT/SERIAL NO.											
KQO 016	96HP	390	JP-5	0.358	0.672	0.0136	0.0137	0.06981	0.13104	0.002652	0.002672
KQO 017	96HP	1040	JP-5	0.358	0.672	0.0136	0.0137	0.18616	0.34944	0.007072	0.007124
KQO 051	96HP	747	JP-5	0.358	0.672	0.0136	0.0137	0.133713	0.250992	0.00508	0.005117

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AC ENGINE TEST BARS	TEST TIME (HRS)	EMISSION FACTORS(LB/HR)			AIRCRAFT TESTING EMISSIONS						
		CO	HC	NOx	CO	HC	NOx				
KQO 052	96HP	488	JP-5	0.358	0.672	0.0136	0.0137	0.087352	0.163968	0.003318	0.003343
UWO 008	96HP	455	JP-5	0.358	0.672	0.0136	0.0137	0.081445	0.15288	0.003094	0.003117
UWO 045	96HP	650	JP-5	0.358	0.672	0.0136	0.0137	0.11635	0.2184	0.00442	0.004453
UWO 046	96HP	390	JP-5	0.358	0.672	0.0136	0.0137	0.06981	0.13104	0.002652	0.002672
TOTAL								4.717554	5.419925	0.325436	0.290425
ENGINES	IDLE	75%	95%	INTER							
152P8B	4.32	3.56	6.9	9.06							
152P6B	8.36	6.78	13	17.18							
ENGINES	IDLE	MAX	INTER	ZONE 5							
TF-30-P-414A	48	32.56	80.6	80.56							
ENGINES	IDLE	75%	INTER	MAX. AVG.							
F110-B-400	84	63	21	21							

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PM		16.9	34.9	34.9	52.13		
152-P-6B		EMISSIONS (TPY)		TOTAL(TPY)			
NOX	0.006186	0.078715	0.26091	0.489286	0.835099		
VOC	0.082722	0.01017	0.022685	0.020702	0.136279		
CO	0.257781	0.080851	0.158015	0.163382	0.660029		
PM	0.070642	0.118311	0.22685	0.447797	0.8636		
AIRCRAFT TESTING EMISSIONS							
EMISSION FACTORS (L/HR)							
730-P-414A		IDLE	MAX. CONT.	INTER	ZONE 5		
NOX	2.96	95.82	138.2	229.04			
VOC	33.54	8.34	6.34	11.31			
CO	51.07	9.66	9.71	514.91			
PM	9.35	22.85	22.85	23.86			
730-P-414A		EMISSIONS (TPY)		TOTAL(TPY)			
NOX	0.07104	1.559949	5.56946	9.225731	16.42618		

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ARCHITECTURAL COATINGS, PAINT STRIPPING, THINING SOLVENTS AND WIPPING					
COATING	GAL	GAL	NET	VOC	EMISSIONS
APPLICATION	USED	DISP	USE	LB/GAL	TPY
VARNISH/SHELLAC	2.12	0	2.12	4	0.00424
SOLV BASED PAINT	130	0	130	3.5	0.2275
WATER BASED PAINT	156	0	156	3.51	0.27378
ENAMEL	30	0	30	2.08	0.0312
SEALANTS/ADHS	2	0	2	363	0.363
TCA PAINT	40	0	40	2.08	0.0416
				TOTAL	0.94132
SOLVENT	GAL	GAL	NET	VOC	EMISSIONS
APPLICATION	USED	DISP	USE	LB/GAL	TPY
ETHYL ALCOHOL	1.5	0	1.5	6.58	0.004935
ISOP ALCOHOL	4	0	4	6.56	0.01312
111 TCA	1	0	1	1.3376	0.000669
MINERAL SPIRITS	30	0	30	6.28	0.0942
TURPENTINE	4	0	4	7.18	0.01436

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METHOL CHLORIDE	330	225	105	11.07	0.581175								
ALIPHAT THINNER	130.6	77.1	53.5	7.42	0.198485								
				TOTAL	0.788913								
AUTOMOTIVE SURFACE PREPERATIONS AND COATINGS													
COATING	GAL	GAL	NET	VOC	EMISSION								
APPLICATION	USED	DISP	USE	LB/GAL	(VOC) TPY								
LACQUER	47.5	0	47.5	6.45	0.153188								
PRIMER	28	0	28	2.75	0.0385								
POLYURETHANE	40	0	40	2.8	0.056								
ALIPHATIC THINNER	26.2	0	26.2	7.42	0.097202								
ENAMEL	34	0	34	5.66	0.09622								
PRIMER DZL	23	0	23	6.08	0.06992								
				TOTAL	0.51103								
COATING	GAL	GAL	NET	VOC	EMISSION								
APPLICATION	USED	DISP	USE	LB/GAL	TPY								
MEK	27.75	0	27.75	6.69	0.092824								

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BULK GASOLINE STORAGE/DISTRIBUTING FACILITIES									
	THRUPUT	EMISSIONS							
	(GAL)	BP	TPY						
VOL OF GASOLINE	584489.9	0.001495	0.436906						
AVIATION FUEL	826.45	0.001495	0.000618						
DIESEL #2	463820.7	0.001495	0.346706						
JPS	94668972	0.001495	70.76506						
		TOTAL	71.54929						
ORGANIC SOLVENT DEGREASING AND CLEANING									
	GAL	NET	EMISSION						
	USED	DISP	USE	DENSITY					
			LB/GAL	TPY					
STODARD SOLV	3291	670.55	2620.45	6.56	8.595076				
MYTHEL CHLORIDE	378	261	117	11.07	0.647595				
TOULENE	2.5	0	2.5	7.22	0.009025				
FRON 113	2491.2	895.8	1597.4	6.5	5.19155				

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METHANOL	815.475	259.1	556.375	6.95	1.933403						
111 TCA	96	62	34	13.46	0.22882						
				TOTAL	16.60547						

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890903			60	DIESEL	0.13	0.04243	0.604	0.0425	0.0039	0.001273	0.01812	0.001275
890904			45	DIESEL	0.13	0.04243	0.604	0.0425	0.002925	0.000955	0.01359	0.000956
890905			30	DIESEL	0.13	0.04243	0.604	0.0425	0.00195	0.000636	0.00906	0.000638
900847			35	DIESEL	0.13	0.04243	0.604	0.0425	0.002275	0.000743	0.01057	0.000744
WOOD CHIPPER	UK		97.6	DIESEL	0.13	0.04243	0.604	0.0425	0.006344	0.002071	0.029475	0.002074
								TOTAL	0.362882	2.248647	0.287465	0.084332
				OTHER MOBILE								
HYD TEST STANDS												
PERMIT/SERIAL NO.												
890870-890890	96HP		7573.6	JP-5	0.484	0.49	0.0362	0.0246	1.832811	1.855532	0.137082	0.093155
890890-890894												
AIR COND UNITS												
PERMIT/SERIAL NO.												
890895-890901	96HP		7139	JP-5	0.358	0.672	0.0136	0.0137	1.277881	2.398704	0.048545	0.048902
911317-911525												
TURBINE ENGINES												
GTC 85-72												
PERMIT/SERIAL NO.												
920237-920268			86517	JP-5	0.1009	0.0265	0.005	0.0107	4.364783	1.14635	0.216293	0.462866

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NOX	0.0006734	0.02194 29	0.028098	0.141546	0.19226						
VOC	0.00900445	0.00283 5	0.002443	0.005989	0.020271						
CO	0.02805985	0.02253 825	0.017017	0.047265	0.11488						
PM	0.0076895	0.03298 05	0.02443	0.129543	0.194643						
		EMISSION FACTORS (LB/HR)									
F110-GB-400	IDLE	75%	90%	INTER							
NOX	9.42	143.676	438.16	465							
VOC	14.14	23.94	10.95	11.63							
CO	58.9	47.89	27.39	29.06							
PM	9.35	22.85	22.85	23.86							
F110-GB-400		EMISSIONS (TPY)			TOTAL(TPY)						
NOX	0.1038555	0.30171 96	5.22944	12.15743	17.79244						
VOC	0.1558935	0.05027 4	0.130688	0.304066	0.640922						
CO	0.6493725	0.10056 9	0.3269	0.759774	1.836615						
PM	0.10308375	0.04798 5	0.272715	0.62382	1.047603						
	AIRCRAFT TESTING EMISSIONS										

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EROSION	DEXTER X300	1.13	0	1.13	4.6	0.002599					
WALK COMP	LD 1842	2.29	0	2.29	3.2	0.003664					
SEALANT	PR 812	0.77	0	0.77	2.89	0.001113					
PRESERV COMP	TECTYL 846	115.83	0	115.83	3.3	0.19112					
PRESERV COMP	E.M 220	1.71	0	1.71	6.2	0.005301					
PRESERV COMP	VV-L-236	3.16	0	3.16	0	0					
PRESERV COMP	CPC GRD 2	0.03	0	0.03	6.3	0.000095					
PRESERV COMP	CLP GRD 3	7.55	0	7.55	6.4	0.02416					
PRESERV COMP	LHB CPC GRD 3	12.72	0	12.72	7.89	0.05018					
PRESERV COMP	VV-L-800	68.62	0	68.62	0	0					
CLEANER	MA 102	325	0	325	0.7	0.11375					
CLEANER	MA 117	150	0	150	0	0					
CLEANER	FREPM 113	25.69	0	25.69	13.13	0.168655					
ADHESIVE	EPON 815	0.38	0	0.38		0					
SEALANT	PR 1750	1.2	0	1.2	2.63	0.001578					
ADHESIVE	SC-846	4.52	0	4.52	5.87	0.013266					
ADHESIVE	FA 1051	3.16	0	3.16	5.23	0.008263					
SEALANT	EPISEAL 2020	5.13	0	5.13	0	0					
SEALANT	RTV 3145	0.6	0	0.6	0.47	0.000141					
SEALANT	RTV 189	5.75		5.75	0.1	0.000288					
SEALANT	PRO 870	8.04		8.04	2.6	0.010452					
ADHESIVE	3M 1751	0.02		0.02	0.1	0.000001					

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5e. Provide estimated increases/decreases in air emissions (Tons/Year of CO, NOx, VOC, PM10) expected within the next six years (1995-2001). Either from previous BRAC realignments and/or previously planned downsizing shown in the Presidents FY1997 budget. Explain.

As a result of BRAC 93, the Marines from Marine Corps Air Stations El Toro and Tustin are realigning to Naval Air Station (NAS) Miramar. Preliminary data indicate that Marines are bringing in more ground support equipment than the Navy currently has in its inventory at NAS Miramar. All support equipment above 50 hp are required to have Air Pollution Control District (APCD) permits to operate in San Diego County. Most of the Marines' support equipment coming to NAS Miramar are above 50 hp. Therefore, emissions from support equipment will increase.

Stationary source emissions will also increase as a result of more aircraft engine testing. In addition, Marines are proposing to build an ordnance incinerator which will result in additional air emissions. Personal automobile and aircraft emissions will increase as a result of increase in personnel and flight operations, respectively. The increase in estimated total tons per year emissions cannot be determined at this point due to lack of information.

5f. Are there any critical air quality regions (i.e. non-attainment areas, national parks, etc.) within 100 miles of the base?

The Agua Tibia, which is a national wilderness area located northeast of San Diego, is designated by the U.S. EPA as an environmentally sensitive area.

The Los Angeles air basin, which is located approximately 100 miles north of the City of San Diego, is classified as an extreme ozone non-attainment area.

5g. Have any base operations/mission/functions (i.e.: training, R&D, ship movement, aircraft movement, military operations, support functions, vehicle trips per day, etc.) been restricted or delayed due to air quality considerations. Explain the reason for the restriction and the "fix" implemented or planned to correct.

Currently, no base operations/mission/functions have been restricted. However, NAS Miramar is currently applying for 116 APCD permits to operate support equipment. This equipment is under New Source Review (NSR) Study. We will be required to provide emission offsets. If we do not have enough emissions credit for offsetting, operation of support equipment may be impacted because we will need to set more stringent operational limits on support equipment, and we will be required to monitor daily operations of each item of equipment.

Our corrective action is to permit NC8 generators (which currently do not require permits) to obtain emissions credit. The Navy is phasing out NC8 generators and replacing them with NC10C generators. We have five permit applications for NC10C generators. Also, we are currently fixing all flightline electrical distribution systems and fixed air start systems. Flightline electrical distribution systems will allow us to permit NC10C generators under emergency use category, thereby eliminating the emission offsets requirement for this piece of equipment. Flightline fixed air start systems look very promising in providing us with enough air start capability to eliminate at least 50 percent of our mobile jet start-up units, thereby significantly reducing our emission offset burden.

5h. Does your base have Emission Reduction Credits (ERCs) or is it subject to any emission offset requirements? If yes, provide details of the sources affected and conditions of the ERCs and offsets. Is there any potential for getting ERCs?

Currently, NAS Miramar has no emissions credit established with San Diego APCD. We are subjected to 1.2 to 1 emission offsets for support equipment currently under NSR (i.e., 16 air conditioning units, 24 hydraulic test stands, 69 jet air start units, and 5 NC10C mobile electric power plants). The aforementioned emission increases in 5e will also be subjected to offsets. The potentials for obtaining emissions credits are described in 5g, para 2.

6. ENVIRONMENTAL COMPLIANCE

- 6a. Identify compliance costs, currently known or estimated that are required for permits or other actions required to bring existing practices into compliance with appropriate regulations. Do not include Installation Restoration costs that are covered in Section 7. For the last two columns provide the combined total for those two FY's.

Program	Survey Completed?	Costs in \$K to correct deficiencies					
		FY94	FY95	FY96	FY97	FY98-99	FY00-01
Air	YES	780	550	200	225	250	275
Hazardous Waste	YES	350	375	400	425	450	475
Safe Drinking Water Act	YES	683	200	1000	125	150	175
PCBs	YES	0	0	0	0	0	0
Other (non-PCB) Toxic Substance Control Act	YES	0	0	0	0	0	0
Lead Based Paint	NO	0	UNK	UNK	UNK	UNK	UNK
Radon	NO	0	UNK	UNK	UNK	UNK	UNK
Clean Water Act	YES	2150	920	750	250	275	300
Solid Waste	YES	115	75	50	75	100	125
Oil Pollution Act	NO	0	100	UNK	UNK	UNK	UNK
USTs	YES	500	400	300	400	750	200
Other	YES	250	275	300	325	350	375
Total		4828	2895	3000	1825	2325	1925

Provide a separate list of compliance projects in progress or required, with associated cost and estimated start/completion date.

See Attached



6.9.

ENVIRONMENTAL COMPLIANCE PROJECTS PROGRAM

FY95 PROJECTS

REV	ACTIVITY	CLASS	PCR NO.	STEP	PROJECT TITLE	TOTAL COST \$000	M/R COST \$000	CONST COST \$000	EQUIP COST \$000	STUDY COST \$000	DESIGN COST \$000	DESIGN AGENT	METH OF ACCP	TYCOM	REGIONAL COORDINATOR	F
	NAS MIRAMAR	1B	A014M	N	DFC REPLACEMENT STUDY	300	300	0	0	0	0			AIRPAC	CNB SDIEGO	95
	NAS MIRAMAR	2B	A014Q	X	SRC TST AIR EMISS SOURCES	200	0	0	0	200	0			AIRPAC	CNB SDIEGO	95
	NAS MIRAMAR	1B	A014U	X	NEW SOURCE REVIEW	50	0	0	0	50	0			AIRPAC	CNB SDIEGO	95
	NAS MIRAMAR	1B	A014V	N	ASBESTOS EMISSION CONTROL	500	500	0	0	0	0			AIRPAC	CNB SDIEGO	95
A	NAS MIRAMAR	2A	A1	X	IMPLEMENT TITLE V CAA	150	0	0	0	150	0	SMDIV	C	AIRPAC	CNB SDIEGO	95
	NAS MIRAMAR	1B	G1	X	ECOLOGY OF CALIF GNATCATCH	120	0	0	0	120	0	SMDIV	C	AIRPAC	CNB SDIEGO	95
A	NAS MIRAMAR	2A	G1	X	MULTI-SPECIES CONSERV PLAN	150	0	0	0	150	0	SMDIV	C	AIRPAC	CNB SDIEGO	95
	NAS MIRAMAR	1B	H1	X	HIST ARCH RES PRESERV PLAN	200	0	0	0	200	0	SMDIV	C	AIRPAC	CNB SDIEGO	95
	NAS MIRAMAR	2A	S	N	COND CORROSION PROT MAINT	1,300	1300	0	0	0	0			AIRPAC	CNB SDIEGO	95
	NAS MIRAMAR	2A	S	N	LEAD ASSES/REMOVE SM ARMS R	220	0	220	0	0	0			AIRPAC	CNB SDIEGO	95
	NAS MIRAMAR	1B	S073Q	N	USED OIL/SOLV RECYCLING	200	0	200	0	0	0			AIRPAC	CNB SDIEGO	95
	NAS MIRAMAR	1B	S073V	X	TANK 902 REPLACEMENT/RETRO	100	100	0	0	0	0			AIRPAC	CNB SDIEGO	95
	NAS MIRAMAR	2A	S073X	X	REMOVE ABV GRND TANKS	200	200	0	0	0	0	SMDIV	C	AIRPAC	CNB SDIEGO	95
A	NAS MIRAMAR	1B	S1	X	REN ABN USTS BK212	235	0	200	0	0	35	SMDIV	C	AIRPAC	CNB SDIEGO	95
	NAS MIRAMAR	2A	W	X	INST SPILL OVERFILL CONTRL	100	100	0	0	0	0			AIRPAC	CNB SDIEGO	95
	NAS MIRAMAR	2A	W	X	NPDES PERM APP STRMTR OUT	200	0	0	0	200	0			AIRPAC	CNB SDIEGO	95

CR NO. 2 PCR NOT SUBMITTED
 20 PCR SUBMITTED/BEING PROCESSED
 2000Z PCR VALIDATED

STEP N STEP II NOT SUBMITTED
 P STEP II SUBMITTED/BEING PROCESSED
 X STEP II NOT REQUIRED
 V STEP II VALIDATED

METHOD OF ACCOMPLISHMENT C CONTRACT
 I IN-HOUSE
 O OTHER



ENVIRONMENTAL COMPLIANCE PROJECTS PROGRAM

FY95 PROJECTS

REVISION	ACTIVITY	CLASS	PCR NO.	STEP	PROJECT TITLE	TOTAL COST \$000	M/R COST \$000	CONST COST \$000	EQUIP COST \$000	STUDY COST \$000	DESIGN COST \$000	DESIGN AGENT	METH OF ACP	TYCON	REGIONAL COORDINATOR	FY	
	NAS MIRAVAR	18	NO	X	STORMWATER MANAGEMENT PLAN	150	0	0	0	150	0			AIRPAC	CNB SOLEGO	95	
	NAS MIRAVAR	18	NO	X	WASTE OIL TANK REMOV/REPLN	165	150	0	0	0	15	SMDIV	C	AIRPAC	CNB SOLEGO	95	
	NAS MIRAVAR	18	NO16V	N	ELIM ILLIC STRMTRR DISCH	550	500	0	0	0	50			AIRPAC	CNB SOLEGO	95	
	NAS MIRAVAR	28	NO16N	X	IMPL DPA 90 REQMT	75	0	0	0	75	0			AIRPAC	CNB SOLEGO	95	
NAS MIRAVAR SUMMARY OF COSTS (\$000)						TOTAL	M/R	CONST	EQUIP	STUDY	DESIGN	TOTAL PROJECTS					
						5,165	3150	620	0	1295	100	20					

ALL PROJECTS	SUMMARY OF COSTS (\$000)	TOTAL	M/R	CONST	EQUIP	STUDY	DESIGN	TOTAL PROJECTS
	5,165	3150	620	0	1295	100	20	
TOTAL PROJECTS	20							

3 HQ. Z
Z0 Z000Z
PCR NOT SUBMITTED
PCR SUBMITTED/BEING PROCESSED
PCR VALIDATED

STEP N
P X V
STEP 11 NOT SUBMITTED
STEP 11 SUBMITTED/BEING PROCESSED
STEP 11 NOT REQUIRED
STEP 11 VALIDATED

METHOD OF ACQUISITION
C I 0
CONTRACT IN-HOUSE OTHER

FY 94 ENVIRONMENTAL COMPLIANCE PROGRAM (ECP)

DATE: _____

MONTHLY STATUS SUMMARY REPORT

PLEASE PROVIDE STATUS OF ALL PROJECTS ON THE
FY94 EXECUTION PLAN.

06 MAY 1994

ACTIVITY	PCR NO.	PROJECT TITLE	EXECUT AGENT	METHOD ACCOMP	CVE (\$000)	EST OBLIG DATE	EST DESIGN START	EST DESIGN COMPL	EST CONSTR START	EST CONSTR COMPL	STEP	REMARKS
NAS MIRAMAR	A014H	DRY FILTR SP PNT BOOTH 558	SWDIV	C	280	07/15/94	/ /	/ /	/ /	/ /	N	
NAS MIRAMAR	A014H	CFC REPLACEMENT STUDY	SWDIV	C	30	06/30/94	/ /	/ /	/ /	/ /	N	
NAS MIRAMAR	A014P	INV VOC & TOXIC EMISS	SWDIV	C	127	04/29/94	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	A014Q	SRC TST AIR EMISS SOURCES	SWDIV	C	200	04/29/94	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	A014U	NEW SOURCE REVIEW	SWDIV	C	50	05/24/94	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	A014V	ASBESTOS EMISSION CONTROL	SWDIV	C	50	06/30/94	/ /	/ /	/ /	/ /	N	
NAS MIRAMAR	D112A	CROSS CONNECT CONTROL SURV	PWC SD	I	683	/ /	/ /	/ /	/ /	/ /	N	
NAS MIRAMAR	G1	ECOLOGY OF CALIF GNATCATCH	SWDIV	C	185	/ /	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	S0731	OIL/HAZ SUB CONTAIN CONSTR	SWDIV	C	800	07/30/94	/ /	/ /	/ /	/ /	P	
NAS MIRAMAR	S0731	UPGR/CONST <90-DAY STO FAC	PWC SD	I	60	/ /	/ /	/ /	/ /	/ /	N	
NAS MIRAMAR	S073P	OIL/MTR SEP RETROFIT	PWC SD	I	667	/ /	/ /	/ /	/ /	/ /	N	
NAS MIRAMAR	S073Q	USED OIL/SOLV RECYCLING	SWDIV	C	20	04/15/94	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	S073S	SOLID WASTE MANAGEMENT PLN	SWDIV	C	114	12/10/93	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	S073V	TANK 902 REPLACEMENT/RETRO	SWDIV	C	20	05/30/94	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	S073Z	1NST ABV GRND FUEL TANKS	SWDIV	C	200	05/15/94	/ /	/ /	/ /	/ /	N	
NAS MIRAMAR	S1	PRECISION TEST USTS - 10	SWDIV	C	110	05/24/94	/ /	/ /	/ /	/ /	X	

PCR NO. Z
Z0
Z000Z

PCR NOT SUBMITTED
PCR SUBMITTED/BEING PROCESSED
PCR VALIDATED/APPROVED

STEP N STEP II NOT SUBMITTED
P STEP II SUBMITTED/BEING PROCESSED
X STEP II NOT REQUIRED
V STEP II VALIDATED/APPROVED

METHOD OF ACCOMPLISHMENT

C CONTRACT
I IN-HOUSE
O OTHER





MONTHLY STATUS SUMMARY REPORT

06 MAY 1994

PLEASE PROVIDE STATUS OF ALL PROJECTS ON THE FY94 EXECUTION PLAN.

ACTIVITY	PCR NO.	PROJECT TITLE	EXECUT AGENT	METHOD ACCOMP	CWE (\$000)	EST OBLIG DATE	EST DESIGN START	EST DESIGN COMPL	EST CONSTR START	EST CONSTR COMPL	STEP	REMARKS
NAS MIRAMAR	S1	RECYCLING EQUIPMENT	ACTIVITY	I	100	/ /	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	S294C	TIERED PERMITTING	SWDIV	C	87	02/25/94	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	S579A	UST REMEDIAL INVESTIGATION	SWDIV	C	200	06/30/94	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	S579B	POLLUTION PREVENTION SURVY	SWDIV	C	150	04/29/94	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	S579C	INSTALL SW COMPACTOR	PWC SD	I	47	/ /	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	W016R	MOBILE WSTWTR TRTMT SYS	SWDIV	C	420	04/29/94	/ /	/ /	07/15/94	/ /	N	
NAS MIRAMAR	W016V	ELIM ILLIC STRMTR DISCH	SWDIV	C	50	05/30/94	/ /	/ /	/ /	/ /	N	
NAS MIRAMAR	W016X	STORMWATER MANAGEMENT PLAN	SWDIV	C	206	03/14/94	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	W1	EVAL OIL/WATER SEPARATORS	PWC SD	I	50	/ /	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	W1	INST SPILL OVERFLOW CONTRL	SWDIV	C	20	04/29/94	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	W1	SPILL RESPONSE STA EQUIPMT	SWDIV	C	20	/ /	/ /	/ /	/ /	/ /	X	

NAS MIRAMAR

TOTAL COSTS(\$000)

4,946

TOTAL PROJECTS

27

PCR NO. Z PCR NOT SUBMITTED
 ZO PCR SUBMITTED/BEING PROCESSED
 Z000Z PCR VALIDATED/APPROVED

STEP N STEP II NOT SUBMITTED
 P STEP II SUBMITTED/BEING PROCESSED
 X STEP II NOT REQUIRED
 V STEP II VALIDATED/APPROVED

METHOD OF ACCOMPLISHMENT C CONTRACT
 I IN-HOUSE
 O OTHER

6b.

Does your base have structures containing asbestos? YES What % of your base has been surveyed for asbestos? 30% Are additional surveys planned? YES What is the estimated cost to remediate asbestos (\$K) UNKNOWN. Are asbestos survey costs based on encapsulation, removal or a combination of both?

The remaining 70% of the buildings are currently being inventoried and the survey is expected to be completed in FY94. Cost estimates for the 30% that has already been inventoried are being prepared under contract. The estimates will be based on removal and should be available first quarter of FY95.

6c. Provide detailed cost of recurring operational (environmental) compliance costs, with funding source.

Funding Source	FY92	FY93	FY94	FY95	FY96	FY97	FY98-99	FY00-01
O&MN	1,745	1,961	1,861	2,872	3,290			
HA								
PA								
Other (specify) DERA *	70K	70K	70K	90K	120K			
TOTAL	1,815	2,031	1,931	2,962	3,410			

* These costs are DERA funded salary and support positions at the installation.

Data has not been developed beyond FY96 because NAS Miramar is scheduled to realign to the U.S. Marine Corps in FY97.

Change
465-
CPF
JUN 94

6d. Are there any compliance issues/requirements that have impacted operations and/or development plans at your base.

No.

7. INSTALLATION RESTORATION

7a.

Does your base have any sites that are contaminated with hazardous substances or petroleum products?	YES
Is your base an NPL site or proposed NPL site?	NO

7b. Provide the following information about your Installation Restoration (IR) program. Project list may be provided in separate table format. Note: List only projects eligible for funding under the Defense Environmental Restoration Account (DERA). Do not include UST compliance projects properly listed in section VI.

SITE# OR NAME	TYPE SITE	GROUND-WATER CONTAMINATED?	EXTENDS OFF BASE ?	DRINKING WATER SOURCE?	COST TO COMPLETE (\$M)/EST. COMP. DATE	STATUS/COMMENT
H80004-001	UST	NO	NO	NO	0.02M	SITE CHARACTERIZATION STUDY WAS COMPLETED/REMEDATION IS IN PLANNING
H80004-002	UST	NO	NO	NO	0.02M	SITE CHARACTERIZATION STUDY WAS COMPLETED/REMEDATION IS IN PLANNING
H80004-003	UST	NO	NO	NO	0.02M	SITE CHARACTERIZATION STUDY WAS COMPLETED/REMEDATION IS IN PLANNING
H80004-004	UST	NO	NO	NO	0.02M	LONG TERM MONITORING
H80004-005	UST	NO	NO	NO	0.02M	LONG TERM MONITORING
H80004-006	UST	NO	NO	NO	0.02M	LONG TERM MONITORING
H80004-007	UST	NO	NO	NO	0.02M	LONG TERM MONITORING
H80004-008	UST	NO	NO	NO	0.02M	LONG TERM MONITORING
H80004-009	UST	NO	NO	NO	0.02M	TANK CLOSURE/REMOVAL IS IN PLANNING
H80004-010	UST	NO	NO	NO	0.02M	LONG TERM MONITORING
H80004-011	UST	NO	NO	NO	0.02M	LONG TERM MONITORING
H80004-012	UST	NO	NO	NO	0.02M	LONG TERM MONITORING
H80004-013	UST	NO	NO	NO	0.02M	LONG TERM MONITORING
H80004-014	UST	NO	NO	NO	0.02M	LONG TERM MONITORING
H80004-015	UST	NO	NO	NO	0.02M	LONG TERM MONITORING
H80004-016	UST	NO	NO	NO	0.02M	LONG TERM MONITORING
H80004-017	UST	NO	NO	NO	0.02M	LONG TERM MONITORING
H80004-018	RCR A CA	NO	NO	NO	0.2M/FY 95	RI/FS COMPLETED/REMOVAL ACTION IS IN PLANNING
H80004-019	UST	NO	NO	NO	0.02M	TANK CLOSURE/REMOVAL IS IN PLANNING
H80004-020	UST	NO	NO	NO	0.02M	LONG TERM MONITORING
H80004-021	UST	NO	NO	NO	0.02M	SITE CHARACTERIZATION STUDY WAS COMPLETED/REMEDATION IS IN PLANNING

H80004-022	UST	NO	NO	NO	0.02M	SITE CHARACTERIZATION STUDY WAS COMPLETED/REMEDATION IS IN PLANNING
H80004-023	UST	NO	NO	NO	0.02M	LONG TERM MONTORING
H80004-024	RCR A CA	NO	NO	NO	0.02M	SITE CHARACTERIZATION STUDY WAS COMPLETED/REMEDATION IS IN PLANNING
H80004-025	RCR A CA	NO	NO	NO	0.02M	INITIAL SITE ASSESSMENT WAS COMPLETED
H80004-026	RCR A CA	NO	NO	NO	0.02M	SITE CHARACTERIZATION STUDY WAS COMPLETED/REMEDATION IS IN PLANNING
H80004-027	RCR A CA	NO	NO	NO	0.02M	SITE CHARACTERIZATION STUDY WAS COMPLETED/REMEDATION IS IN PLANNING
H80004-028	RCR A CA	NO	NO	NO	0.2M/FY 95	SI COMPLETED/REMOVAL ACTION IS IN PLANNING
H80004-029	RCR A CA	NO	NO	NO	0.2M/FY 95	SI COMPLETED/REMOVAL ACTION IS IN PLANNING
H80004-030	RCR A CA	NO	NO	NO	0.2M/FY 95	SI COMPLETED/REMOVAL ACTION IS IN PLANNING
H80004-031	RCR A CA	NO	NO	NO	0.2M/FY 95	SI COMPLETED/REMOVAL ACTION IS IN PLANNING
H80004-032	RCR A CA	NO	NO	NO	0.02M	SI/REMOVAL ACTION IS IN PLANNING
H80004-033	UST	NO	NO	NO	0.02M	SITE ASSESSMENT IS IN PLANNING
H80004-034	UST	NO	NO	NO	0.02M	REQUESTED FOR CLOSURE
H80004-035	UST	NO	NO	NO	0.02M	REQUESTED FOR CLOSURE
H80004-036	UST	NO	NO	NO	0.02M	SITE CHARACTERIZATION STUDY WAS COMPLETED/REMEDATION IS IN PLANNING
H80004-037	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-038	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING

H80004-039	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-040	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-041	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-042	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-043	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-044	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-045	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-046	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-047	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-048	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-049	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-050	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING

¹ Type site: CERCLA, RCRA corrective action (CA), UST or other (explain)

² Status = PA, SI, RI, RD, RA, long term monitoring, etc.

7c. Have any contamination sites been identified for which there is no recognized/accepted remediation process available? List.

NO

7d.

Is there a groundwater treatment system in place?	NO
Is there a groundwater treatment system planned?	NO

State scope and expected length of pump and treat operation.

N/A

7e.

Has a RCRA Facilities Assessment been performed for your base?	NO
--	----

7f. Does your base operate any conforming storage facilities for handling **hazardous materials**? If YES, describe facility, capacity, restrictions, and permit conditions.

YES. Bldg 216 is the central storage facility for hazardous materials. Total storage square footage is 39,900 sqft including 6,089 sqft enclosed space. There is no restriction or permit conditions.

7g. Does your base operate any conforming storage facilities for handling **hazardous waste**? If YES, describe facility, capacity, restrictions, and permit conditions.

Yes. NAS Miramar operates a 90 day hazardous waste storage facility. This 3200SF storage facility is located at Bldg 687 and does not require a permit.

7h. Is your base responsible for any non-appropriated fund facilities (exchange, gas station) that require cleanup? If so, describe facility/location and cleanup required/status.

YES. Navy Exchange Gas Station, Bldg 214 is an installation restoration site. Site inspection is completed. Removal action is in planning phase.

7i.

Do the results of any radiological surveys conducted indicate limitations on future land use? Explain below.	NO
--	----

Radon survey was completed. The results were negative.

7j. Have any base operations or development plan been restrict due to Installation Restoration considerations? None

7k. List any other hazardous waste treatment or disposal facilities not included in question 7b above. Include capacity, restrictions and permit conditions. N/A

8. LAND / AIR / WATER USE

8a. List the acreage of each real estate component controlled or managed by your base (e.g., Main Base - 1,200 acres, Outlying Field - 200 acres, Remote Range - 1,000 acres, remote antenna site - 5 acres, Off-Base Housing Area - 25 acres).

Parcel Descriptor	Acres	Location
Main Base (Operations)	3,334.63	Main Base - Operations
West / Southwest	4,140.65	Main Base - Landfill
East Miramar	8,399.65	Special Area - East Miramar
Sycamore Canyon	4,140.65	Special Area - Sycamore Canyon
Total	23,185.24	

All sites are contiguous and within the boundaries of NAS Miramar. Total area is 23,185.24 acres.

8b. Provide the acreage of the land use categories listed in the table below:

LAND USE CATEGORY		ACRES
Total Developed: (administration, operational, housing, recreational, training, etc.)		5,977.24
Total Undeveloped (areas that are left in their natural state but are under specific environmental development constraints, i.e.: wetlands, endangered species, etc.)		Wetlands: 2,400
		All Others: 993.64
Total Undeveloped land considered to be without development constraints, but which may have operational/man caused constraints (i.e.: HERO, HERF, HERP, ESQD, AICUZ, etc.) TOTAL		16,214.36
Total Undeveloped land considered to be without development constraints		6,858
Total Off-base lands held for easements/lease for specific purposes		45
Breakout of undeveloped, restricted areas. Some restricted areas may overlap:	ESQD	2,300
	HERF	148.69
	HERP	0.16
	HERO	189.51
	AICUZ	9,950
	Airfield Safety Criteria	826
	Other - Small Arms Fire Zones	2,800

8c. How many acres on your base (includes off base sites) are dedicated for training purposes (e.g., vehicular, earth moving, mobilization)? This does not include buildings or interior small arms ranges used for training purposes. _____ 15,108

8d. What is the date of your last AICUZ update? 03/01/93 Are any waivers of airfield safety criteria in effect on your base? No. Summarize the conditions of the waivers below.

N/A

8e. List the off-base land use *types* (e.g, residential, industrial, agricultural) and *acreage* within Noise Zones 2 & 3 generated by your flight operations and whether it is compatible/incompatible with AICUZ guidelines on land use.

Acreage/Location/ID	Zones 2 or 3	Land Use	Compatible/ Incompatible
1,974 Acres north of Miramar Road & west of I-805	2	Industrial/ Commercial	Normally Compatible
275 Acres north of Miramar Road & West of I-805	2	Residential	Normally Incompatible

NAS Miramar Master Plan - Table 17, page F-26/Map page F-18.

8f. List the navigational channels and berthing areas controlled by your base which require maintenance dredging? Include the frequency, volume, current project depth, and costs of the maintenance requirement.

Navigational Channels/ Berthing Areas	Location / Description	Maintenance Dredging Requirement			
		Frequency	Volume (MCY)	Current Project Depth (FT)	Cost (\$M)
N/A					

8g. Summarize planned projects through FY 1997 requiring new channel or berthing area dredged depths, include location, volume and depth.

N/A

8h.

Are there available designated dredge disposal areas for maintenance dredging material? List location, remaining capacity, and future limitations.	N/A
Are there available designated dredge disposal areas for new dredge material? List location, remaining capacity, and future limitations.	N/A
Are the dredged materials considered contaminated? List known contaminants.	N/A

8.i. List any requirements or constraints resulting from consistency with State Coastal Zone Management Plans.

None.

8j. Describe any non-point source pollution problems affecting water quality ,e.g.: coastal erosion.

None.

8k.

If the base has a cooperative agreement with the US Fish and Wildlife Service and/or the State Fish and Game Department for conducting a hunting and fishing program, does the agreement or these resources constrain either current or future operations or activities? Explain the nature and extent of restrictions.	N/A
---	-----

8l. List any other areas on your base which are indicated as protected or preserved habitat other than threatened/endangered species that have been listed in Section 1. List the species, whether or not treated, and the acres protected/preserved.

NAS Miramar has a 2,000 acre Research Natural Area. The National Park Service designated the 400 acre Miramar Mounds National Natural Landmark.

9. WRAPUP

9a. Are there existing or potential environmental showstoppers that have affected or will affect the accomplishment of the installation mission that have not been covered in the previous 8 questions?

No.

9b. Are there any other environmental permits required for base operations, include any relating to industrial operations.

No.

9c. Describe any other environmental or encroachment restrictions on base property not covered in the previous 8 sections.

None.

9d. List any future/proposed laws/regulations or any proposed laws/regulations which will constrain base operations or development plans in any way. Explain.

No future/proposed laws/regulations are known that will significantly constrain base operations or development.

BRAC-95 CERTIFICATION DATA CALL THIRTY THREE

NAS MIRAMAR

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

MAJOR CLAIMANT LEVEL

J. R. FITZGERALD

NAME (Please type or print)

Commander In Chief (Acting)

Title


Signature

1 JUL 94
Date

U. S. Pacific Fleet

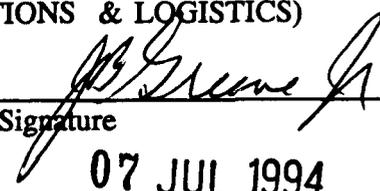
Activity

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)

ACTING
Title


Signature

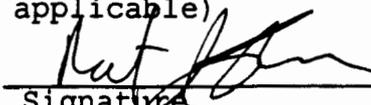
07 JUL 1994
Date

Data Call 33 - Environmental Data Call
Naval Air Station Miramar

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

NEXT ECHELON LEVEL (if applicable)

VADM Robert J. Spane, USN _____
NAME (Please type or print)



Signature

Commander _____
Title

2 June 1994 _____
Date

COMNAVAIRPAC _____
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

NAME (Please type or print)

Signature

Title

Date

Activity

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

<i>Proposed Official name</i>	<i>Marine Corps Air Station, Miramar, CA</i>
<i>Proposed Acronym(s) used in correspondence</i>	<i>MCAS Miramar</i>
<i>Proposed Commonly accepted short title(s)</i>	<i>MCAS Miramar</i>

- Complete Mailing Address
Not available yet

- PLAD
Not assigned yet

- PRIMARY UIC: M67865 (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): none PURPOSE: N/A

2. **PLANT ACCOUNT HOLDER:**

- Yes XX No _____ (check one)

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 XX 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 XX (check one)

•• Primary Host (current) UIC: N/A

•• Primary Host (as of 01 Oct 1995) UIC: N/A

•• Primary Host (as of 01 Oct 2001) UIC: N/A

••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 XX (check one)

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.

Data Call 1: General Installation Information, continued

Activity: M67865

Name	Location	UIC
Big Bear Recreation Complex	Big Bear Lake Area	M60050
Confined Area Landing (CAL) Sites 3-11	Cleveland National Forest	M60050
Prado Dam Practice Landing Site	Prado Dam Basin, Corona CA	M62535
Blackstar Canyon CAL Sites 1-2	Blackstar Canyon & Lomas de Santiago Areas	M62535

NOTE: SPECIAL AREAS: These special areas currently on MCAS El Toro/Tustin Plant Account will be required to support MCAS Miramar.

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

Name	UIC	Location	Host name	Host UIC
MAG-46 DETACHMENT A	03041	MCAS CAMP PENDLETON	SAME	02208
HMLA-775	04780	SAME	SAME	02208
HMM-764	01764	SAME	SAME	02208
MAG-46 DETACHMENT B	03021	NAS ALAMEDA	SAME	00236
HMH-769	01769	SAME	SAME	00236
MWSS-473 DETACHMENT A	01139	SAME	SAME	00236
MALS-46 DETACHMENT B	01138	SAME	SAME	00236
VMFT-401	03340	MCAS YUMA	SAME	02230

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 -- no impact

BRAC-91 -- no impact

BRAC-93 -- NAS Miramar was realigned by moving all Navy units to NAS North Island, NAS Lemoore, and NAS Fallon. USMC units from closing MCAS El Toro and MCAS Tustin were moved to Miramar. The increase in aircraft and personnel will require significant Military Construction and family housing construction.

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).

Current Missions

- Provide operational airfield services to tenant activities.
- Coordinate helicopter flights in support of local Search and Rescue humanitarian support and missions directed by DoD rescue control center.
- Provide full service military passenger terminal support, visiting aircraft flight line and air freight operations.
- .Support strategic deployment requirements of I MEF units.
- .Provide airfield support during USAF strategic mobilization deployment exercises.
- .Provide embarkation and debarkation support to DoD units transiting MCAS.
- .Designated station of initial assignment (SIA) for reserve mobilization.
- .Staging area for Coronet West (TRANS-PAC) aviation flights in support of USMC unit deployment program (UDP).
- .Support US Navy's COMTHIRDFLT Southern California Aviation Training.

.Designated emergency divert field for U.S. Navy carrier aircraft and commercial passenger/cargo aircraft.

.Provide base support and coordinate aviation training ranges for Marine Corps Weapons Training Squadron (MAWTS) Bi-Annual classes.

•Coordinate airspace training requirements with FAA

•Coordinate disaster preparedness requirements with DoD and civilian authorities.

.Provide Crash, Fire & Rescue support for all aviation activities.

.Provide air traffic control service for civil and military aircraft operating within MCAS Class C airspace

.Participate in California fire protection mutual assistance program.

.Provide support to Marine Corps Air Ground Combat Center (MCAGCC) combined arms exercises, US Navy Amphibious Exercises and JCS directed exercises.

.Provide support to annual MCAS Airshow

Projected Missions for FY 2001

.Primary North American Radar Air Defense (NORAD) Southwestern U. S. Air Defense Intercept mission

.Increase airfield operations due to collocation fixed and rotary wing aircraft.

.Improve airspace utilization between military and civilian agencies.

•Coordinate and update development of strategic deployment plan for MCAS Miramar.

•Increase environmental awareness both on-station and in local community.

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.

Current Unique Missions

- **Participation in Immigration & Naturalization Service (INS) enforcement of U. S. Immigration Laws**
- **Support of Drug Enforcement Agency (DEA) activities along the U.S. - Mexican Border.**
- **Provide emergency landing field for NASA Space Shuttle.**
- **Provide secure air transportation site for U. S. Marshal's transfer of Federal Criminals and Witnesses**
- **Provide security and specialized support for DoD transfer of special weapons.**
- **Relocation site for National Emergency Airborne Command Post (NEACP) B-747 aircraft.**
- **Provide security and servicing for DoD special airlift missions (Air Force One & Air Force Two) and U. S. & Foreign Dignitaries.**
- **All departures from MCAS Miramar are planned to be via Instrument Flight Rules (IFR)**

(NAS Miramar currently authorizes only IFR - positive control departures for tactical aircraft). IFR departures are significantly more complex and time consuming - therefore, fewer numbers of aircraft can be launched and recovered than by use of a combination IFR/VFR (Visual Flight Rules) system. IFR departures mandate air traffic controllers adhere to strict inflexible regulations. MCAS El Toro currently uses a mixture of IFR and VFR departures. We are attempting to modify the regulations to allow El Toro and Tustin's current mixture of IFR/VFR operations to be performed at Miramar.

Projected Unique Missions for FY 2001

- IOC of MV-22 Aircraft
-
-

9. IMMEDIATE SUPERIOR IN COMMAND (ISIC): Identify your ISIC. If your ISIC is not your funding source, please identify that source in addition to the operational ISIC.

• Operational name	UIC
<u>Commander, Marine Corps Air Bases, Western Area</u>	<u>M67428</u>
• Funding Source	UIC
<u>Same</u>	<u>Same</u>

10. PERSONNEL NUMBERS: Host activities are responsible for totalling 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.)

* Personnel currently on board NAS Miramar:

On Board Count as of 01 January 1994

	Officers	Enlisted	Civilian (Appropriatd)
* Reporting Command	<u>25</u>	<u>216</u>	<u>422</u>
* Tenants (total)	<u>2271</u>	<u>9874</u>	<u>572</u>

Authorized Positions as of 30 September 1994

	Officers	Enlisted	Civilian (Appropriatd)
* Reporting Command	<u>24</u>	<u>218</u>	<u>496</u>
* Tenants (total)	<u>941</u>	<u>6121</u>	<u>397</u>

Data Call 1: General Installation Information, continued

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* Personnel currently on board MCAS El Toro and MCAS Tustin:

On Board Count as of 01 January 1994

	Officers	Enlisted	Civilian (Appropriated)
• Reporting Command	<u>99*</u>	<u>747*</u>	<u>792</u>
• Tenants (total)	<u>1167</u>	<u>8745</u>	<u>583</u>

Authorized Positions as of 30 September 1994

	Officers	Enlisted	Civilian (Appropriated)
• Reporting Command	<u>97*</u>	<u>653*</u>	<u>765</u>
• Tenants (total)	<u>1159</u>	<u>8718</u>	<u>602</u>

NOTE: Authorized positions are derived from January 1994 Authorized Strength Report for Marine Corps personnel.

* Numbers do not include Fleet Marine Force personnel who are assigned to H&HS Miramar Fleet Assistance Program. These personnel are included in the appropriate FMF unit numbers.

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.

Title/NameOfficeFaxHome

- CO/OIC
MGen P. D. Williams DSN 997-3622 DSN 997-3511[N/A]
- Duty Officer DSN 997-2930 DSN 997-2034[N/A]
- Col R. P. Eichorn DSN 997-3387 DSN 997-3394 909 860-1287

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 provided 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.)

• Tenants residing on main complex (shore commands)

The following tenants currently stationed at NAS Miramar. Almost all are scheduled to move to new locations or be decommissioned as Marine Corps units move in.

REMAIN - 0 DEPART - X UNSURE - 1 UNSURE - 2 (units @ both bases; will combined)

Tenant Command Name	UIC	Officer	Enlisted	Civilian	Non-DOD Civs	Stat
Federal Fire Dept. Naval Base	00242	0/0	0/0	51/51		2
Marine Corps, Recruit Depot	00243	0/0	0/0	0/0		0
Fleet Industrial Supply Center(FISC) SERVMART	00244	0/0	0/0	0/0	0/3	2
HRO/Noris	00246	0/0	0/0	2/2		0

Naval Hospital, San Diego	00259	0/0	0/0	0/0		1
Naval Air Reserve	09143	34/34	139/139	2/2		X
Navy Exchange	30276	1/1	0/0	0/0		2
Nav Aviation Eng SVC Unit- NAESU	30342	1/1	3/3	54/49		2
Naval Medical Center	32547	8/7	35/33	5/4		2
NAS Miramar A/C OPDET	35668	0/0	129/141	0/0		X
Naval Dental Center	35735	10/8	19/18	6/6		2
Fleet Imaging Center PAC	42343	1/1	27/39	2/2		0
Naval Criminal Investigation Svcs.	42941	0/0	0/0	6/7		2
Naval Publication & Printing	43640	0/0	0/0	1/1		0
NAS Miramar - AIMD	44322	11/12	502/552	45/45		X
Naval Consolidated Brig	45611	10/10	120/143	39/41		0
NAS Miramar Security Det	46253	1/1	108/119	15/15		X
F-14D FIT	46903	9/8	5/4	0/0		X
NAS Miramar SEAOPDET	46962	0/0	287/285	0/0		X
CARAEWPNSCH	47397	18/17	4/5	0/0		X
TRAWING 2 Det	47464	0/0	15/15	0/0		X
E-2C FT	49120	4/3	4/4	0/0		X
Defense Commissary Agency	49209	0/0	5/12	0/144		2

Navy Fighter Weapons Sch	52912	37/32	129/140	9/8		X
Explosive Ord Det, Op 1	55321	0/0	0/0	0/0		1
COMFITWINGPAC	55629	12/11	27/22	19/13		X
COMAEWWINGPAC	55634	11/10	21/20	8/8		X
CMD, Trng Command US PACFLT	57022	0/0	0/0	0/0		1
Naval Inshore Undersea Warfare Grp 1	57092	18/18	63/59	0/0		X
NAS Miramar	60259	24/25	218/216	409/341		X
Navy/Marine Reserve Center	62106	0/1138	0/2393	3/3		0
Naval Education & Trng Sch	63015	0/0	0/0	0/2		1
Navy Public Works Ctr	63387	0/0	0/0	133/133		1
Naval Base (Family Housing)	63387	0/0	0/0	7/7		2
Naval Warfare Assessment Ctr	64267	0/0	0/0	0/1		X
Defense Logistics Agency	65386	0/0	0/0	0/0		2
Defense Nuclear Agency	65461	0/0	0/0	0/0	0/11	0
Naval Aviation Depot	65888	0/0	0/0	0/28		X
NOSC ROT&E Div	66001	0/0	0/0	0/2		1
Naval Air Maint Trng GP Det	66064	2/2	147/143	1/1		X
Naval Oceanographic Cmd Fac	66472	1/1	6/7	2/2		X
CBU 405	66649	1/1	60/60	0/0		X

Data Call 1: General Installation Information, continued

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Flt Aviation Spec Op Trng (FASO)	66656	1/1	20/12	11/11		X
Naval Alcohol Rehab Ctr	66894	10/12	76/87	42/42		1
Marine Corps Res Trng Ctr 4th Tnk	67680	0/44	0/464			0
Personnel Support Acty	68557	2/2	70/65	17/17		X
S.W.Div NAVFCENCOM/ROI CC	68711	1/1	0/0	4/4		1
Naval Reserve Recruiting	68917	0/0	0/3	0/0		X
NAVAIR Warfare Ctr Pt Mugu	68936	0/0	0/0	0/0		X
Naval Computer & Telecom Sta	70240	0/0	0/6	0/0		X

* Tenants residing on main complex (homeported units.)

Tenant Command Name	UIC	Officer	Enlisted	Civilian	Status
VAW-110	09048	25/46	138/256	0/0	X
VAW-88	09074	34/33	150/170		X
VF-211	09086	34/35	212/224		X
VF-124 -FRS	09095	73/60	609/570	0/2	X
VF-301	09108	37/35	263/260		X
VF-2	09113	43/41	247/285		X
VF-302	09120	41/40	275/261		X
CVW-14	09261	11/12	20/21		X
CVWR-30	09394	11/12	24/21		X
VAW-112	09458	29/27	124/149		X
VAW-113	09459	29/32	124/149		X
VAW-114	09462	29/31	124/155		X

VAW-116	09465	29/29	124/154		X
VF-31	09473	33/36	221/213		X
VF-51	09475	31/34	199/211		X
VF-126	09481	19/34	22/187		X
VF-11	09560	31/33	207/224		X
VF-111	09603	34/34	212/234		X
CVW-11	09734	11/12	20/21		X
CVW-2	09742	10/13	18/17		X
CVW-15	09747	10/14	17/19		X
VF-24	09932	31/30	199/209		X
VF-213	09934	43/34	244/269		X
VAW-117	09985	29/32	124/148		X
VAW-110 (Students)	30658	0/53	0/88		X
VFC-13	52995	29/28	183/185		X
VF-124 C/C (Students)	65563	0/74	0/179		X

The following tenants due to Decom/move during 1994:

- VAW-110 09048
- VF-124 09095
- VF-126 09481
- VAW-88 09074
- VF-301 09108
- VF-302 09120
- CVWR-30 09394

* 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	Officer	Enlisted	Civilian
N/A				

Tenants (Other than those identified previously)

Tenant Command Name	UIC	Officer	Enlisted	Civilian	Non-DOD Civs	Status
Army ROTC	N/A	0/0	0/0	0/0	0/0	0
LORAL	N/A	0/0	0/0	0/1	0/1	X
Calif. Army Nat. Guard 185th	N/A	0/0	0/0	0/0	0/0	0
Pratt & Whitney	N/A	0/0	0/0	0/0	0/1	X
San Diego County Sheriff	N/A	0/0	0/0	0/0	0/8	0
Calif. Army National Guard Co. B	N/A	0/0	0/0	0/0	0/0	0
McDonald Douglas	N/A	0/0	0/0	0/0	0/4	X
Litton	N/A	0/0	0/0	0/0	0/1	X
Dimensions International (NAVAIR)	N/A	0/0	0/0	0/0	0/2	X
Rail	N/A	0/0	0/0	0/0	0/1	X
General Electric (Kansas)	N/A	0/0	0/0	0/0	0/4	X
Allison Gas Turbine Div. of G.E.	N/A	0/0	0/0	0/0	0/1	X
Grumman Aircraft	N/A	0/0	0/0	0/0	0/32	X
Martin/Baker	N/A	0/0	0/0	0/0	0/1	X
Martin/Marietta	N/A	0/0	0/0	0/0	0/2	X
Sanders	N/A	0/0	0/0	0/0	0/1	X
Union Bank	N/A	0/0	0/0	0/0	0/10	1

Hughes Aircraft Co.	N/A	0/0	0/0	0/0	0/5	X
SATO	N/A	0/0	0/0	0/0	0/2	2
Boy Scouts	N/A	0/0	0/0	0/0	0/0	0
Gun Club	N/A	0/0	0/0	0/0	0/7	X
U.S. Post Office	N/A	0/0	0/0	0/0	0/2	2
Lockheed	N/A	0/0	0/0	0/0	0/97	X
6220th US Army Reserve School	N/A	0/0	0/0	0/0	0/0	0
S.M. Harris	N/A	0/0	0/0	0/0	0/0	X
San Diego Air National Guard (147th)	N/A	0/0	0/0	0/0	0/0	0
American Red Cross	N/A	0/0	0/0	0/0	0/1	2
Navy/Marine Relief Society	N/A	0/0	0/0	0/0	0/8	2
63rd US Army Reserve Command	N/A	0/0	0/0	0/0	0/0	0
HDQTRS 7th Infantry Div. Ft. Ord	N/A	0/0	0/0	0/0	0/0	0
1st/V Marine Expeditionary Force	N/A	0/0	0/0	0/0	0/0	0
FAA Western Region	N/A	0/0	0/0	0/0	82/72	X
U.S. Customs Svs	N/A	0/0	0/0	0/0	0/0	X
Army Med Det Ft. Irwin-Vet	N/A	0/0	0/0	0/0	0/0	0
U.S. Forest Service	N/A	0/0	0/0	0/0	0/10	0
McDonalds	N/A	0/0	0/0	0/0	0/60	0

Department of Army 1st Phyc Ops Co.	N/A	0/0	0/0	0/0	0/0	0
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• Tenants residing on main complex (shore commands)

These tenants are currently on board MCAS Tustin and MCAS El Toro, and are slated to move to MCAS Miramar

Tenant Command Name	UIC	Locat-ion	Officer	Enlisted	Civilian
DEFENSE INVESTIGATIVE SERVICE		ET	0	0	1
DEFENSE COMMISSARY AGENCY		ET	0	0	317
U.S. POSTAL SERVICE	254	ET	0	0	3
HQ MAG-11	M00011	ET	18	150	27
HQ MAG-16	M00016	TU	20	162	14
MWCS-38	M00307	ET	19	406	0
MWSS-373	M00373	ET	23	546	0
MWSS-374	M00374	TU	22	477	0
MWCS-48 DET B (RESERVES)	M00409	ET	10	172	0
HUMAN RESOURCES OFFICE, MCB CAMPEN	M00681	ET	0	0	17
MASS-6 DET A (RESERVES)	M00983	ET	15	74	0
MALS-16	M01020	TU	24	670	0
MALS-11	M01065	ET	21	686	0
FASOTRAGRUDET	M01079	ET	0	13	0
MARINE WING HEADQUARTERS SQUADRON 3	M01079	ET	84	335	0
VMFA(AW)-121	M01121	ET	40	130	0
VMFA-134 (RESERVES)	M01134	ET	18	75	0
MACG-38	M01144	ET	33	110	0
4TH MAW GARRISON (RESERVES)	M01148	ET	3	0	0
4TH MAW COMBAT CASUALTY (RESERVES)	M01148	ET	0	58	0
MALS-46 (RESERVES)	M01148	ET	40	374	0
MWSS-473 (RESERVES)	M01149	ET	18	291	0

Data Call 1: General Installation Information, continued

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HMM-161	M01161	TU	29	105	0
HMM-163	M01163	TU	29	105	0
HMT-302 FRAMP	M01172	TU	3	106	0
HMM-164	M01175	TU	28	105	0
HMT-302	M01181	TU	30	175	0
VMFAT-101	M01192	ET	46	277	0
VMFA-212	M01212	ET	22	115	0
VMFA(AW)-225	M01225	ET	40	130	0
VMFA-232	M01232	ET	20	115	0
VMFA-235	M01235	ET	22	115	0
VMFA(AW)-242	M01242	ET	40	130	0
HMM-268	M01268	TU	29	105	0
MATCS-38	M01290	TU	13	177	0
VMFA-314	M01314	ET	22	115	0
VMFA-323	M01323	ET	20	115	0
VMGR-352	M01352	ET	44	221	0
HMH-361	M01361	TU	37	184	0
MWSG-37	M01375	ET	11	32	0
HMH-462	M01462	TU	37	184	0
HMH-465	M01465	TU	37	184	0
HMH-466	M01466	TU	37	184	0
FEDERAL AVIATION ADMINISTRATION	M02914	ET	0	0	96
MAG-46 (ACTIVE DUTY)	M03028	ET	23	213	1
CSSD-14, 1ST FSSG	M28355	ETTU	26	230	0
BRANCH CLINIC NRMIC	M32541	ETTU	15	62	11
PRIOR SVC RECRUITING SITE (MCRSC)	M36005	ET	0	2	0
13TH DENTAL CO., 1ST DENTAL BN	M44570	ETTU	14	31	0
PERSONNEL SPT ACTIVITY, SAN DIEGO	M46797	ET	0	2	0
RESERVE SUPPORT UNIT	M60050	ET	3	10	0

STAFF NCO ACADEMY	M60050	ET	0	53	1
BASE REALIGNMENT AND CLOSURE	M60050	ET	19	9	7
STAFF NCO ACADEMY (STUDENTS)	M60050	ET	0	281	0
IMA DET MPC SEC (RESERVES)	M60050	ET	20	86	0
MOBILIZATION TRNG UNIT (RESERVES)	M60050	ET	31	1	0
NAVAL INVESTIGATIVE SERVICE	N42939	TU	0	0	1
NAVAL INVESTIGATIVE SERVICE	N42939	ET	0	3	9
NAVY CALIBRATION LAB, MCC-3	N49378	ET	1	21	1
NAESU	N62849	ET	1	1	28
NAVAL WARFARE ASSESSMT DIV (CORONA)	N64267	ET	0	0	1
NAVAL AVIATION MAINT TRAINING GP	N66061	ET	0	2	1
NAVAL AVIATION MAINT TRAINING GP	N66061	TU	0	3	0
SWDIV, NAVFACENCOM (ROICC)	N68711	ET	2	0	8
DEFENSE FINANCE & ACCOUNTING SVC	S33181	ET	0	0	24
DEFENSE REUTILIZATION&MARKETING OFF	SZ3169	ET	0	0	34

• 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
None					

• Tenants (Other than those identified previously)

Tenant Command Name	UIC	Location	Officer	Enlisted	Civilian
None					

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.)
N/A		

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, 8½"x 11".)
- **Air Installations Compatible Use Zones (AICUZ) Map.** (Provide 12 copies.)

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

WILLIAMS, P. D. MAJGEN

NAME (Please type or print)

COMMANDER

Title

COMCABWEST

Activity

Signature

Date

P. D. Williams

9 Jun 94

BRAC-95 CERTIFICATION

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

MARTIN, GEORGE F.

NAME (Please type or print)

LTCOL

Title

COMCABWEST

Division

BRAC

Department

USMC

Activity

George F. Martin

Signature

8 MARCH 94

Date

Enclosure (1)

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.
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

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

NAME (Please type or print)

Title

R.A. ILL
Signature
11 MAR 1994

Date

**ENVIRONMENTAL DATA CALL:
DATA CALL TO BE SUBMITTED TO
ALL NAVY/MARINE CORPS HOST ACTIVITIES**

NAVAL AIR STATION, MIRAMAR
DATACALL #33

16

**BRAC 1995 ENVIRONMENTAL DATA CALL:
All Navy/Marine Corps Host Activities
INDEX**

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ENVIRONMENTAL DATA CALL

Responses to the following questions provide data that will allow an assessment of the potential environmental impact associated with the closure or realignment of a Navy shore activity. This criterion consists of:

- Endangered/Threatened Species and Biological Habitat
- Wetlands
- Cultural Resources
- Environmental Facilities
- Air Pollution
- Environmental Compliance
- Installation Restoration
- Land/Air/Water Use

As part of the answers to these questions, a *source citation* (e.g., 1993 base loading, 1993 base-wide Endangered Species Survey, 1993 letter from USFWS, 1993 Base Master Plan, 1993 Permit Application, 1993 PA/SI, etc.) must be included. It is probable that, at some point in the future, you will be asked to provide additional information detailing specifics of individual characteristics. In anticipation of this request, supporting documentation (e.g., maps, reports, letters, etc.) regarding answers to these questions should be retained. Information needed to answer these questions is available from the cognizant EFD Planning and Real Estate Divisions, and Environment, Safety, and Health Divisions; and from the activity Public Works Department, and activity Health Monitoring and Safety Offices.

For purposes of the questions associated with land use at your base is *defined* as *land* (acreage owned, withdrawn, leased, and controlled through easements); *air* (space controlled through agreements with the FAA, e.g., MOAs); and *water* (navigation channels and waters along a base shoreline) *under the control of the Navy*.

Provide a list of the tenant activities with UICs that are covered in this response.

Activity List

<u>LIST</u>	<u>UIC</u>
NPPSO SD CA	N62706
PWC SD CA	N63387
NAVOCEANCOMDET MIRAMAR	N66472
CBU 405 SD CA	N66649
FASOTRAGRUPAC DET MIRAMAR CA	N66658
NAVALREHCEN MIRAMAR CA	N66894
CAA CTR SD CA	N63117
PERSUPPACT SD CA	N68553
SWNAVFACENCGO M SD CA	N68711
NAVCOMTELSTA SD CA	N70240
NAVY AT ARMY ACTIVITIES	WARMY
4TH TANK BN 4TH MARDIV	MX1134
NAVHOSP SD CA	N00259
NAVMARCORESREDCEN SD	N62106
NCCOSC RDTEDIV SD CA	N66001
NAVBASSE SD CA	N00242
FLEET INDUSTRIAL SUP CEN SD	N00244
NAVAIRESCEN MIRAMAR CA	N09143
COMFITWINGPAC	N55629
COMAEWWINGPAC	N55634
NAESU DET MIRAMAR CA	N30342
FLT IMAGING CEN PAC MIRAMAR	N42343
NISRA	N42941
NAVCOMBRIG MIRAMAR CA	N45611
NAVFITWEPSCOLSD CA	N52912
NAV WEP STA SEAL BEACH CA	N60701
NEXCEN SD CA	N66105
NAVAL RESALEACT MIRAMAR CA	N66284

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1. ENDANGERED/THREATENED SPECIES AND BIOLOGICAL HABITAT

1a. For federal or state listed endangered, threatened, or category 1 plant and/or animal species on your base, complete the following table. Critical/sensitive habitats for these species are designated by the U. S. Fish and Wildlife Service (USFWS). A species is present on your base if some part of its life-cycle occurs on Navy controlled property (e.g., nesting, feeding, loafing). Important Habitat refers to that number of acres of habitat that is important to some life cycle stage of the threatened/endangered species that is not formally designated.

S P E C I E S (plant or animal)	Designation (Threatened / Endangered)	Federal/ State	Critical / Designate d Habitat (Acres)	Import ant Habitat (acres)
example: <i>Haliaeetus leucocephalus</i> - bald eagle	threatened	Federal	25	0
<i>Pogogyne abramsii</i> - San Diego mesa mint	Endangered	Federal / State	0	2000
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button celery	Endangered	Federal / State	0	2000
<i>Orcuttia californica</i> - California Orcutt's grass	Endangered	Federal / State	0	2000
<i>Streptocephalus woottoni</i> - Riverside fairy shrimp	Endangered	Federal	0	2000
<i>Vireo bellii pusillus</i> - Least Bell's vireo	Endangered	Federal	0	173
<i>Navarretia fossalis</i> - San Diego navarretia	Category 1	Federal	0	2000
<i>Acanthomintha ilicifolia</i> - San Diego thornmint	Category 1/ Endangered	Federal / State	0	6000 (potential)
<i>Monardella linoides</i> ssp. <i>viminea</i> - Willowy monardella	Endangered	State	0	156
<i>Sylvilagus bachmani</i> - Brush rabbit	Category 1	Federal	0	156

1. ENDANGERED/THREATENED SPECIES AND BIOLOGICAL HABITAT

1a. For federal or state listed endangered, threatened, or category 1 plant and/or animal species on your base, complete the following table. Critical/sensitive habitats for these species are designated by the U. S. Fish and Wildlife Service (USFWS). A species is present on your base if some part of its life-cycle occurs on Navy controlled property (e.g., nesting, feeding, loafing). Important Habitat refers to that number of acres of habitat that is important to some life cycle stage of the threatened/endangered species that is not formally designated.

SPECIES (plant or animal)	Designation (Threatened/ Endangered)	Federal/ State	Critical / Designated Habitat (Acres)	Importan t Habitat (acres)
<i>example: Haliaeetus leucocephalus - bald eagle</i>	<i>threatened</i>	<i>Federal</i>	25	0
<i>Pogogyne abramsii - San Diego mesa mint</i>	Endangered	Federal/ State	N/A	2000
<i>Eryngium aristulatum var. parishii - San Diego button celery</i>	Endangered	Federal/ State	N/A	2000
<i>Orcuttia californica - California Orcutt's grass</i>	Endangered	Federal/ State	N/A	2000
<i>Streptocephalus woottoni - Riverside fairy shrimp</i>	Endangered	Federal	N/A	2000
<i>Vireo bellii pusillus - Least/Bell's vireo</i>	Endangered	Federal	N/A	173
<i>Navarretia fossalis - San Diego navarretia</i>	Category 1	Federal	N/A	2000
<i>Acanthomintha ilicifolia - San Diego thornmint</i>	Category 1/ Endangered	Federal/ State	N/A	6000 (poten- tial)
<i>Monardella linoides ssp. viminea - Willowy monardella</i>	Endangered	State	N/A	156
<i>Sylvilagus bachmani - Brush rabbit</i>	Category 1	Federal	N/A	156
<i>Polioptila californica - California gnatcatcher</i>	Proposed Endangered	Federal	N/A	6000
<i>Arctostaphylos glandulosa ssp. crassifolia - Del Mar manzanita</i>	Proposed Endangered	Federal	N/A	3640 (poten- tial)

R

<i>Polioptila californica</i> - California gnatcatcher	Proposed Endangered	Federal	0	6000
<i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i> - Del Mar manzanita	Proposed Endangered	Federal	0	3640 (potential)
<i>Baccharis vanessae</i> - San Diego coyote bush	Proposed Endangered	Federal	0	3640 (potential)
<i>Chorizanthe orcuttiana</i> - Orcutt's spineflower	Proposed Endangered	Federal	0	4000 (potential)
<i>Corethrogyne filaginifolia</i> var. <i>linifolia</i> - California Aster	Proposed Threatened	Federal	0	4000 (potential)
<i>Dudleya blochmaniae</i> ssp. <i>brevifolia</i> - Short-leaved dudleya	Proposed Endangered	Federal	0	3640 (potential)

Source Citation: U.S. Fish and Wildlife Service and NAS Miramar Geographic Information System

2

1b.

<p>Have your base operations or development plans been constrained due to:</p> <ul style="list-style-type: none">- USFWS or National Marine Fisheries Service (NMFS)?- State required modifications or constraints? <p>If so, identify below the impact of the constraints including any restrictions on land use.</p> <p>Base operations and development are constrained by the five federally listed endangered species that occur on station. Vernal pools (wetland habitat for four endangered species) are regulated by U.S. Fish and Wildlife Service and the U.S. Army Corps of Engineers. Land use planning and coordination with the regulatory agencies are required to ensure compliance with these regulations.</p>	<p>YES</p>
<p>Are there any requirements resulting from species not residing on base, but which migrate or are present nearby? If so, summarize the impact of such constraints.</p>	<p>NO</p>

1c. If the area of the habitat and the associated species have not been identified on base maps provided in Data Call 1, submit this information on an updated version of Data Call 1 map.

See attached map.

<i>2Baccharis vanessae</i> - San Diego coyote bush	Proposed Endangered	Federal	N/A	3640 (potential)
<i>Chorizanthe orcuttiana</i> - Orcutt's spineflower	Proposed Endangered	Federal	N/A	4000 (potential)
<i>Corethrogyne filaginifolia</i> var. <i>linifolia</i> - California Aster	Proposed Threatened	Federal	N/A	4000 (potential)
<i>Dudleya blochmaniae</i> ssp. <i>brevifolia</i> - Short-leaved dudleya	Proposed Endangered	Federal	N/A	3640 (potential)

Source Citation: U.S. Fish and Wildlife Service and NAS Miramar Geographic Information System

1b.

<p>Have your base operations or development plans been constrained due to:</p> <ul style="list-style-type: none"> - USFWS or National Marine Fisheries Service (NMFS)? - State required modifications or constraints? <p>If so, identify below the impact of the constraints including any restrictions on land use.</p> <p>Base operations and development are constrained by the five federally listed endangered species that occur on station. Vernal pools (wetland habitat for four endangered species) are regulated by U.S. Fish and Wildlife Service and the U.S. Army Corps of Engineers. Land use planning and coordination with the regulatory agencies are required to ensure compliance with these regulations.</p>	YES
<p>Are there any requirements resulting from species not residing on base, but which migrate or are present nearby? If so, summarize the impact of such constraints.</p>	NO

1c. If the area of the habitat and the associated species have not been identified on base maps provided in Data Call 1, submit this information on an updated version of Data Call 1 map.

See attached map.

1d.

Have any efforts been made to relocate any species and/or conduct any mitigation with regards to critical habitats or endangered/threatened species? Explain what has been done and why.	YES
--	-----

In 1987, NAS Miramar contracted with a local university to create vernal pool habitat on NAS Miramar to mitigate the damage due to military construction. In 1994, a restoration and enhancement project was conducted on NAS Miramar property to introduce two native endangered species into historic habitat. In addition, mitigation for impacts to vernal pools have included removal of exotic plant species from existing pool basins, fencing and signage.

1e.

Will any state or local laws and/or regulations applying to endangered/threatened species which have been enacted or promulgated but not yet effected, constrain base operations or development plans beyond those already identified? Explain.	NO
---	----

2. WETLANDS

Note: Jurisdictional wetlands are those areas that meet the wetland definitional criteria detailed in the Corps of Engineers (COE) Wetland Delineation Manual, 1987, Technical Report Y-87-1, U.S. Army Engineer Waterway Experiment Station, Vicksburg, MS or officially adapted state definitions.

2a.

Does your base possess federal jurisdictional wetlands?	YES
Has a wetlands survey in accordance with established standards been conducted for your base?	NO, see below
When was the survey conducted or when will it be conducted? ____/____/____	See below
What percent of the base has been surveyed?	90%
What is the total acreage of jurisdictional wetlands present on your base?	2265

1. A National Wetlands Inventory was recently completed by a consultant via a Chesapeake Division, Naval Facilities Engineering Command contract. The maps have not been made available to NAS Miramar at this time.

2. From March to May 1993, the NAS Miramar Staff Civil Engineer Department conducted a survey of vernal pools on the air station. The survey relied on the hydrophytic vegetation in and around the vernal pool basin to determine the extent of the pool. However, the purpose of the survey was to determine the approximate location of the vernal pools. The size of the individual basins are based on visual estimates not on quantitative measurements.

3. The acreage estimations for riparian, open water and flood/stream channels are based on a vegetation survey conducted by San Diego State University in 1993. Periodicity of inundation and soil testing were not conducted to determine the wetlands acreage.

Source Citation: San Diego State University, NAS Miramar Staff Civil Engineer Department

2b. If the area of the wetlands has not been identified on base maps provided in Data Call 1, submit this on an updated version of Data Call 1 map.

See attached map

2c. Has the EPA, COE or a state wetland regulatory agency required you to modify or constrain base operations or development plans in any way in order to accommodate a jurisdictional wetland? No _____ If YES, summarize the results of such modifications or constraints.

3. CULTURAL RESOURCES

3a.

Has a survey been conducted to determine historic sites, structures, districts or archaeological resources which are listed, or determined eligible for listing, on the National Register of Historic Places? If so, list the sites below.	NO
--	----

3b.

Has the President's Advisory Council on Historic Preservation or the cognizant State Historic Preservation Officer required you to mitigate or constrain base operations or development plans in any way in order to accommodate a National Register cultural resource? If YES, list the results of such modifications or constraints below.	NO
--	----

3c.

Are there any on base areas identified as sacred areas or burial sites by Native Americans or others? List below.	YES
---	-----

Portions of NAS Miramar was occupied by the citizens of the community of Linda Vista. Old homesteads and a cemetery are located on station.

4. ENVIRONMENTAL FACILITIES

Notes: If your facility is permitted for less than maximum capacity, state the maximum capacity and explain below the associated table why it is not permitted for maximum capacity. Under "Permit Status" state when the permit expires, and whether the facility is operating under a waiver. For permit violations, limit the list to the last 5 years.

4a.

Does your base have an operating landfill?					SEE BELOW
ID/Location of Landfill	Permitted Capacity (CYD)		Maximum Capacity (CYD)	Contents¹	Permit Status
	TOTAL	Remaining			
SEE BELOW					

¹ Contents (e.g. building demolition, asbestos, sanitary debris, etc)

There is a landfill on NAS Miramar that is operated by the City of San Diego. All City solid waste is directed to the landfill. All local Navy installations use the landfill at no cost. This landfill supports the entire city of San Diego which has a population of over 1 million people. Approximately 1400 acres of NAS Miramar is leased to the City of San Diego for landfill use. Any permits or environmental requirements are the city's responsibility.

Are there any current or programmed projects to correct deficiencies or improve the facility.

N/A

4b. If there are any non-Navy users of the landfill, describe the user and conditions/agreements.

N/A

4c.

Does your base have any disposal, recycling, or incineration facilities for solid waste?					NO
Facility/Type of Operation	Permitted Capacity	Ave Daily Throughput	Maximum Capacity	Permit Status	Comments
N/A					

List any permit violations and projects to correct deficiencies or improve the facility.

R

4d.

Does your base own/operate a Domestic Wastewater Treatment Plant (WWTP) ?					NO
ID/Location of WWTP	Permitted Capacity	Ave Daily Discharge Rate	Maximum Capacity	Permit Status	Level of Treatment/Year Built

List permit violations and discuss any projects to correct deficiencies.

4e. If you do not have a domestic WWTP, describe the average discharge rate of your base to the local sanitary sewer authority, discharge limits set by the sanitary sewer authority (flow and pollutants) and whether the base is in compliance with their permit. Discuss recurring discharge violations.

Average discharge rate of the base to local sanitary sewer authority: 600,000 gallons/day

Discharge limits set by sanitary sewer authority: 628,000 gallons/day.

NAS Miramar is in compliance with our permit. There are no recurring discharge violations.

4f.

Does your base operate an Industrial Waste Treatment Plant (IWTP)?					NO
ID/Location of IWTP	Type of Treatment	Permitted Capacity	Ave Daily Discharge Rate	Maximum Capacity	Permit Status

List any permit violations and projects to correct deficiencies or improve the facility. N/A

4g. Are there other waste treatment flows not accounted for in the previous tables? Estimate capacity and describe the system.

Yes, there are waste water treatment flows from approximately 40 Oil Water Separators. The individual separators have a maximum capacity of 150 GPM. The discharge from these separators was estimated by the MCAS Miramar Comprehensive Technical Study of May 31, 1994 as 46.8 GPM during moderate rainfalls.

4h.

Does your base operate drinking Water Treatment Plants (WTP)?					NO
ID/Location of WTP	Operating (GPD)		Method of Treatment	Maximum Capacity	Permit Status
	Permitted Capacity	Daily Rate			

List permit violations and projects/actions to correct deficiencies or improve the facility.
 N/A

4d.

Does your base own/operate a Domestic Wastewater Treatment Plant (WWTP) ?					NO
ID/Location of WWTP	Permitted Capacity	Ave Daily Discharge Rate	Maximum Capacity	Permit Status	Level of Treatment/Year Built
N/A					

List permit violations and discuss any projects to correct deficiencies. N/A

4e. If you do not have a domestic WWTP, describe the average discharge rate of your base to the local sanitary sewer authority, discharge limits set by the sanitary sewer authority (flow and pollutants) and whether the base is in compliance with their permit. Discuss recurring discharge violations.

Average discharge rate of the base to local sanitary sewer authority: 600,000 gallons/day

Discharge limits set by sanitary sewer authority: 628,000 gallons/day.

NAS Miramar is in compliance with our permit. There are no recurring discharge violations.

4f.

Does your base operate an Industrial Waste Treatment Plant (IWTP)?					NO
ID/Location of IWTP	Type of Treatment	Permitted Capacity	Ave Daily Discharge Rate	Maximum Capacity	Permit Status
N/A					

List any permit violations and projects to correct deficiencies or improve the facility. N/A

4g. Are there other waste treatment flows not accounted for in the previous tables? Estimate capacity and describe the system.

N/A

4h.

Does your base operate drinking Water Treatment Plants (WTP)?				NO	
ID/Location of WTP	Operating (GPD)		Method of Treatment	Maximum Capacity	Permit Status
	Permitted Capacity	Daily Rate			
N/A					

List permit violations and projects/actions to correct deficiencies or improve the facility. N/A

4i. If you do not operate a WTP, what is the source of the base potable water supply. State terms and limits on capacity in the agreement/contract, if applicable.

Potable water is supplied by the San Diego County Water Authority. There are no terms or limits currently on usage according to an agreement with the Navy.

4j.

Does the presence of contaminants or lack of supply of water constrain base operations. Explain.	NO
--	----

4k.

Other than those described above does your base hold any NPDES or stormwater permits? If YES, describe permit conditions.	YES
If NO, why not and provide explanation of plan to achieve permitted status.	

NAS Miramar has a State of California General Industrial Storm Water Permit. The permit prohibits non-storm water discharges (including illicit connections) and discharges containing hazardous substances in storm water in excess of reportable quantities established at 40 CFR 117.3 and 40 CFR 302.4. Provisions of Sections 301 and 402 of the Clean Water Act apply and require control of pollutant discharges which use best available technology economically achievable (BAT) and best conventional pollutant control technology (BCT) to reduce pollutants. At this time, there are no numerical effluent limitations at any specific discharge locations.

4l.

YES/NO

Does your base have bilge water discharge problem?	NO
Do you have a bilge water treatment facility?	NO

Explain:

4m.

Will any state or local laws and/or regulations applying to Environmental Facilities, which have been enacted or promulgated but not yet effected, constrain base operations or development plans beyond those already identified? Explain.	NO
---	----

4n. What expansion capacity is possible with these Environmental Facilities? Will any expansions/upgrades as a result of BRACON or projects programmed through the Presidents budget through FY1997 result in additional capacity? Explain. Q

N/A - None of the above facilities are operated by NAS Miramar or on NAS Miramar.

4i. If you do not operate a WTP, what is the source of the base potable water supply. State terms and limits on capacity in the agreement/contract, if applicable.

Potable water is supplied by the San Diego County Water Authority. There are no terms or limits currently on usage according to an agreement with the Navy.

4j.

Does the presence of contaminants or lack of supply of water constrain base operations. Explain.	NO
--	----

4k.

Other than those described above does your base hold any NPDES or stormwater permits? If YES, describe permit conditions.	YES
If NO, why not and provide explanation of plan to achieve permitted status.	

NAS Miramar has a State of California General Industrial Storm Water Permit. The permit prohibits non-storm water discharges (including illicit connections) and discharges containing hazardous substances in storm water in excess of reportable quantities established at 40 CFR 117.3 and 40 CFR 302.4. Provisions of Sections 301 and 402 of the Clean Water Act apply and require control of pollutant discharges which use best available technology economically achievable (BAT) and best conventional pollutant control technology (BCT) to reduce pollutants. At this time, there are no numerical effluent limitatins at any specific discharge locations.

4l.

YES/NO

Does your base have bilge water discharge problem?	NO
Do you have a bilge water treatment facility?	NO

Explain:

4m.

Will any state or local laws and/or regulations applying to Environmental Facilities, which have been enacted or promulgated but not yet effected, constrain base operations or development plans beyond those already identified? Explain.	NO
---	----

4n. What expansion capacity is possible with these Environmental Facilities? Will any expansions/upgrades as a result of BRACON or projects programmed through the Presidents budget through FY1997 result in additional capacity? Explain.

N/A - None of the above facilities are operated by NAS Miramar or on NAS Miramar.

40. Do capacity limitations on any of the facilities discussed in question 4 pose a present or future limitation on base operations? Explain.

No. The overall capacities of the existing sewage and oil water spearator systems will not restrict future base operations.

5. AIR POLLUTION

5a.

<p>What is the name of the Air Quality Control Areas (AQCA) in which the base is located? <u>SAN DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT (SDCAPCD)</u></p>
<p>Is the installation or any of its OLFs or non-contiguous base properties located in different AQCA? <u>NO</u>. List site, location and name of AQCA.</p>

5b. For each parcel in a separate AQCA fill in the following table. Identify with and "X" whether the status of each regulated pollutant is: attainment/nonattainment/maintenance. For those areas which are in non-attainment, state whether they are: Marginal, Moderate, Serious, Severe, or Extreme. State target attainment year.

Site: NAS MIRAMAR AQCA: SDCAPCD

Pollutant	Attainment	Non-Attainment	Maintenance	Target Attainment Year ¹	Comments
CO		Moderate		1995	*
Ozone		Severe		2005	*
PM-10		Un-classified			
SO ₂	X				
NO ₂	X				
Pb	X				

Unclassified - EPA has not designated a non-attainment classification in San Diego for PM-10. However, we are in moderate non-attainment for PM-10 under state designation.

¹ Based on national standard for Non-Attainment areas or SIP for Maintenance areas.

² Indicate if attainment is dependent upon BRACON, MILCON or Special Projects. Also indicate if the project is currently programmed within the Presidents FY1997 budget.

* BRACON and associated projects will increase emissions of non-attainment pollutants; however, local New Source Review and federal Clean Air Act regulations will require source control measures and "no net" emissions by crediting program.

40. Do capacity limitations on any of the facilities discussed in question 4 pose a present or future limitation on base operations? Explain.

N/A

5. AIR POLLUTION

5a.

<p>What is the name of the Air Quality Control Areas (AQCAs) in which the base is located? <u>SAN DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT (SDCAPCD)</u></p>
<p>Is the installation or any of its OLFs or non-contiguous base properties located in different AQCAs? <u>NO</u>. List site, location and name of AQCA.</p>

5b. For each parcel in a separate AQCA fill in the following table. Identify with an "X" whether the status of each regulated pollutant is: attainment/nonattainment/maintenance. For those areas which are in non-attainment, state whether they are: Marginal, Moderate, Serious, Severe, or Extreme. State target attainment year.

Site: NAS MIRAMAR AQCA: SDCAPCD

Pollutant	Attainment	Non-Attainment	Maintenance	Target Attainment Year ¹	Comments ²
CO		Moderate		1995	
Ozone		Severe		2005	
PM-10		Un-classified			
SO ₂	X				
NO ₂	X				
Pb	X				

Unclassified - EPA has not designated a non-attainment classification in San Diego for PM-10. However, we are in moderate non-attainment for PM-10 under state designation.

¹ Based on national standard for Non-Attainment areas or SIP for Maintenance areas.

² Indicate if attainment is dependent upon BRACON, MILCON or Special Projects. Also indicate if the project is currently programmed within the Presidents FY1997 budget.

5c. For your base, identify the baseline level of emissions, established in accordance with the Clean Air Act. Baseline information is assumed to be 1990 data or other year as specified. Determine the total level of emissions (tons/yr) for CO, NOx, VOC, PM10 for the general sources listed. For all data provide a list of the sources and show your calculations. Use known emissions data, or emissions derived from use of state methodologies, or identify other sources used. "Other Mobile" sources include such items as ground support equipment. R

Emission Sources (Tons/Year)					
Pollutant	Permitted Stationary	Personal Automobiles	Aircraft Emissions	Other Mobile	Total
CO	28.22	Unknown	Unknown	4.72	32.94
NOx	33.52	Unknown	Unknown	5.42	38.94
VOC	95.32	Unknown	Unknown	0.33	95.65
PM10	5.46	Unknown	Unknown	0.23	5.69

Source Document: 1990 Air Emission Inventory

* Reference attached 1990 emission inventory calculation sheets.

5d. For your base, determine the total FY1993 level of emissions (tons/yr) for CO, NOx, VOC, PM10 for the general sources listed. For all data provide a list of the sources and show your calculations. Use known emissions data, or emissions derived from use of state methodologies, or identify other sources used. "Other Mobile" sources include such items as ground support equipment.

Emissions Sources (Tons/Year)					
Pollutant	Permitted Stationary	Personal Automobiles	Aircraft Emissions	Other Mobile	Total
CO	17.91	Unknown	Unknown	9.21	27.12
NOx	31.52	Unknown	Unknown	7.16	38.68
VOC	77.72	Unknown	Unknown	0.61	78.33

5c. For your base, identify the baseline level of emissions, established in accordance with the Clean Air Act. Baseline information is assumed to be 1990 data or other year as specified. Determine the total level of emissions (tons/yr) for CO, NOx, VOC, PM10 for the general sources listed. For all data provide a list of the sources and show your calculations. Use known emissions data, or emissions derived from use of state methodologies, or identify other sources used. "Other Mobile" sources include such items as ground support equipment.

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VOC	95.32	Unknown	Unknown	0.33	95.65
PM10	5.46	Unknown	Unknown	0.23	5.69

Source Document: 1990 Air Emission Inventory

Unknowns: Currently no requirement to monitor these emissions.

* Reference attached 1990 emission inventory calculation sheets.

5d. For your base, determine the total FY1993 level of emissions (tons/yr) for CO, NOx, VOC, PM10 for the general sources listed. For all data provide a list of the sources and show your calculations. Use known emissions data, or emissions derived from use of state methodologies, or identify other sources used. "Other Mobile" sources include such items as ground support equipment.

Emissions Sources (Tons/Year)					
Pollutant	Permitted Stationary	Personal Automobiles	Aircraft Emissions	Other Mobile	Total
CO	17.91	Unknown	Unknown	9.21	27.12
NOx	31.52	Unknown	Unknown	7.16	38.68
VOC	77.72	Unknown	Unknown	0.61	78.33
PM10	3.13	Unknown	Unknown	1.02	4.15

Source Document: 1993 Air Emission Inventory

Unknowns: Currently no requirement to monitor these emissions.

PM10	3.13	Unknown	Unknown	1.02	4.15
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R

Source Document: 1993 Air Emission Inventory

* Reference attached 1993 emission inventory calculation sheets.

5e. Provide estimated increases/decreases in air emissions (Tons/Year of CO, NOx, VOC, PM10) expected within the next six years (1995-2001). Either from previous BRAC realignments and/or previously planned downsizing shown in the Presidents FY1997 budget. Explain.

As a result of BRAC 93, the Marines from Marine Corps Air Stations El Toro and Tustin are realigning to Naval Air Station (NAS) Miramar. Preliminary data indicate that Marines are bringing in more ground support equipment than the Navy currently has in its inventory at NAS Miramar. All support equipment above 50 hp are required to have Air Pollution Control District (APCD) permits to operate in San Diego County. Most of the Marines' support equipment coming to NAS Miramar are above 50 hp. Therefore, emissions from support equipment will increase.

Stationary source emissions will also increase as a result of more aircraft engine testing. In addition, Marines are proposing to build an ordnance incinerator which will result in additional air emissions. Personal automobile and aircraft emissions will increase as a result of increase in personnel and flight operations, respectively. The increase in estimated total tons per year emissions cannot be determined at this point due to lack of information.

5f. Are there any critical air quality regions (i.e. non-attainment areas, national parks, etc.) within 100 miles of the base?

The Agua Tibia, which is a national wilderness area located northeast of San Diego, is designated by the U.S. EPA as an environmentally sensitive area.

The Los Angeles air basin, which is located approximately 100 miles north of the City of San Diego, is classified as an extreme ozone non-attainment area.

5g. Have any base operations/mission/functions (i.e.: training, R&D, ship movement, aircraft movement, military operations, support functions, vehicle trips per day, etc.) been restricted or delayed due to air quality considerations. Explain the reason for the restriction and the "fix" implemented or planned to correct.

* Reference attached 1993 emission inventory calculation sheets.

5e. Provide estimated increases/decreases in air emissions (Tons/Year of CO, NO_x, VOC, PM₁₀) expected within the next six years (1995-2001). Either from previous BRAC realignments and/or previously planned downsizing shown in the Presidents FY1997 budget. Explain.

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5g. Have any base operations/mission/functions (i.e.: training, R&D, ship movement, aircraft movement, military operations, support functions, vehicle trips per day, etc.) been restricted or delayed due to air quality considerations. Explain the reason for the restriction and the "fix" implemented or planned to correct.

Currently, no base operations/mission/functions have been restricted. However, NAS Miramar is currently applying for 116 APCD permits to operate support equipment. This equipment is under New Source Review (NSR) Study. We will be required to provide emission offsets. If we do not have enough emissions credit for offsetting, operation of support equipment may be impacted because we will need to set more stringent operational limits on support equipment, and we will be required to monitor daily operations of each item of equipment.

Our corrective action is to permit NC8 generators (which currently do not require permits) to obtain emissions credit. The Navy is phasing out NC8 generators and replacing them with NC10C generators. We have five permit applications for NC10C generators. Also, we are currently fixing all flightline electrical distribution systems and fixed air start systems. Flightline electrical distribution systems will allow us to permit NC10C generators under emergency use category, thereby eliminating the emission offsets requirement for this piece

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The 116 APCD permits are for the Naval Air Station Miramar, and are currently under variance. Even though the equipment will be leaving with the Navy, we cannot operate it now without continuing the permitting process. We have already begun discussions with the APCD to obtain permits for the USMC and are in coordination with SOUTHWESTNAVFACENCOM to contract for performance of work, if necessary to obtain permits when the time is appropriate. First, we need a list of certain types of equipment which the Marine Corps will be bringing to NAS Miramar.

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5h. Does your base have Emission Reduction Credits (ERCs) or is it subject to any emission offset requirements? If yes, provide details of the sources affected and conditions of the ERCs and offsets. Is there any potential for getting ERCs?

Currently, NAS Miramar has no emissions credit established with San Diego APCD. We are subjected to 1.2 to 1 emission offsets for support equipment currently under NSR (i.e., 16 air conditioning units, 24 hydraulic test stands, 69 jet air start units, and 5 NC10C mobile electric power plants). The aforementioned emission increases in 5e will also be subjected to offsets. The potentials for obtaining emissions credits are described in 5g, para 2.

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5c Attachment

1990 EMISSIONS											
BASED ON 1990 RECORDS SUBMITTED TO APCD											
BOILERS	CAPACITY	FUEL	FUEL	CO EF	NOx EF	VOC EF	PM EF	CO	NOx	VOC	PM
PERMIT/SERIAL NO.		GAL	TYPE	LB/GAL	LB/GAL	LB/GAL	LB/GAL	TPY	TPY	TPY	TPY
880375	8.4 MMBTU	53388.5	DIESEL	0.005	0.02	0.00034	0.001	0.133471	0.533885	0.009076	0.026694
880376	8.4 MMBTU	53388.5	DIESEL	0.005	0.02	0.00034	0.001	0.133471	0.533885	0.009076	0.026694
IC ENGINES											
PERMIT/SERIAL NO.											
UNKNOWN (UK)	UK	37.6	#2 DIESEL	0.13	0.04243	0.604	0.0425	0.002444	0.000798	0.011355	0.000799
UK	UK	12.9	#2 DIESEL	0.13	0.04243	0.604	0.0425	0.000839	0.000274	0.003896	0.000274
UK	UK	16	#2 DIESEL	0.13	0.04243	0.604	0.0425	0.00104	0.000339	0.004832	0.00034
GENERATORS											
PERMIT/SERIAL NO.											
40961	UK	150	#2 DIESEL	0.13	0.04243	0.604	0.0425	0.00975	0.003182	0.0453	0.003188
40960	UK	150	#2 DIESEL	0.13	0.04243	0.604	0.0425	0.00975	0.003182	0.0453	0.003188
890903	UK	100	#2 DIESEL	0.13	0.04243	0.604	0.0425	0.0065	0.002122	0.0302	0.002125
890904	UK	100	#2 DIESEL	0.13	0.04243	0.604	0.0425	0.0065	0.002122	0.0302	0.002125

NFT 391	96HP	440	JP-5	0.484	0.49	0.0362	0.0246	0.10648	0.1078	0.007964	0.005412	
ONB 070	96HP	550	JP-5	0.484	0.49	0.0362	0.0246	0.1331	0.13475	0.009955	0.006765	
ONB 124	96HP	825	JP-5	0.484	0.49	0.0362	0.0246	0.19965	0.202125	0.014933	0.010148	
ONB 139	96HP	825	JP-5	0.484	0.49	0.0362	0.0246	0.19965	0.202125	0.014933	0.010148	
ONB 146	96HP	715	JP-5	0.484	0.49	0.0362	0.0246	0.17303	0.175175	0.012942	0.008795	
AIR COND UNITS												
PERMIT/SERIAL NO.												
KQO 016	96HP	390	JP-5	0.358	0.672	0.0136	0.0137	0.06981	0.13104	0.002652	0.002672	
KQO 017	96HP	1040	JP-5	0.358	0.672	0.0136	0.0137	0.18616	0.34944	0.007072	0.007124	
KQO 051	96HP	747	JP-5	0.358	0.672	0.0136	0.0137	0.133713	0.250992	0.00508	0.005117	
KQO 052	96HP	488	JP-5	0.358	0.672	0.0136	0.0137	0.087352	0.163968	0.003318	0.003343	
UWO 003	96HP	455	JP-5	0.358	0.672	0.0136	0.0137	0.081445	0.15288	0.003094	0.003117	
UWO 045	96HP	650	JP-5	0.358	0.672	0.0136	0.0137	0.11635	0.2184	0.00442	0.004453	
UWO 046	96HP	390	JP-5	0.358	0.672	0.0136	0.0137	0.06981	0.13104	0.002652	0.002672	
								TOTAL	4.717554	5.419925	0.325436	0.230425
		AC ENGINE TEST EMIS										
		TEST TIME (HRS)										
ENGINES	IDLE	75%	95%	INTER								
J52P8B	4.32	3.56	6.9	9.06								
J52P6B	8.36	6.78	13	17.18								
ENGINES	IDLE	MAX CONT	INTER	ZONE 5								

TF-30-P-414A	48	32.56	80.6	80.56							
ENGINES	IDLE	75%	INTER	MAX. AUG.							
F110-GE-400	84	63	21	21							
AIRCRAFT TESTING EMISSIONS											
		EMISSION FACTORS(LB/HR)									
J52-P-8B	IDLE	75%	95%	INTER							
NOX	1.22	43.46	74.36	96.16							
VOC	33.3	2.9	4.22	7.93							
CO	43.37	12.98	5.35	5.22							
PM	16.9	34.9	34.9	52.13							
J52-P-8B		EMISSIONS (TPY)			TOTAL(TPY)						
NOX	0.002635	0.07735 88	0.256542	0.435605	0.772141						
VOC	0.071928	0.00516 2	0.014559	0.035923	0.127572						
CO	0.093679	0.02310 44	0.018458	0.023647	0.158888						

PM	0.036504	0.06212 2	0.120405	0.236149	0.45518						
	AIRCRAFT TESTING EMISSIONS										
	EMISSION FACTORS (LB/HR)										
J52-P-6B	IDLE	75%	95%	INTER							
NOX	1.48	23.22	40.14	56.96							
VOC	19.79	3	3.49	2.41							
CO	61.67	23.85	24.31	19.02							
PM	16.9	34.9	34.9	52.13							
J52-P-6B		EMISSIONS (TPY)			TOTAL(TPY)						
NOX	0.006186	0.07871 58	0.26091	0.489286	0.835099						
VOC	0.082722	0.01017	0.022685	0.020702	0.136279						
CO	0.257781	0.08085 15	0.158015	0.163382	0.660029						
PM	0.070642	0.11831 1	0.22685	0.447797	0.8636						

	AIRCRAFT TESTING EMISSIONS												
		EMISSION FACTORS (LB/HR)											
TF30-P-414A	IDLE	MAX. CONT.	INTER	ZONE 5									
NOX	2.96	95.82	138.2	229.04									
VOC	33.54	8.34	6.34	11.31									
CO	51.07	9.66	9.71	514.91									
PM	9.35	22.85	22.85	23.86									
TF30-P-414A		EMISSIONS (TPY)			TOTAL(TPY)								
NOX	0.07104	1.55994 96	5.56946	9.225731	16.42618								
VOC	0.80496	0.13577 52	0.255502	0.455567	1.651804								
CO	1.22568	0.15726 48	0.391313	20.74057	22.51483								
PM	0.2244	0.37199 8	0.920855	0.961081	2.478334								

	AIRCRAFT TESTING EMISSIONS											
		EMISSION FACTORS (LB/HR)										
F110-GE-400	IDLE	75%	90%	INTER								
NOX	9.424	143.676	438.16	465								
VOC	14.136	23.946	10.954	11.625								
CO	58.9	47.892	27.385	29.0625								
PM	9.35	22.85	22.85	23.86								
F110-GE-400		EMISSIONS (TPY)			TOTAL(TPY)							
NOX	0.395808	4.52579 4	4.60068	4.8825	14.40478							
VOC	0.593712	0.75429 9	0.115017	0.122063	1.585091							
CO	2.4738	1.50859 8	0.287543	0.305156	4.575097							
PM	0.3927	0.71977 5	0.239925	0.25053	1.60293							

GENERAL THINNERS	2	0	2	3.3	0.0033						
				TOTAL	0.130584						
AEROSPACE COATINGS, PAINT STRIPPING, THINING SOLVENTS AND WIPPING											
COATING	GAL	GAL	NET	VOC	EMISSIO NS						
APPLICATION	USED	DISP	USE	LB/GAL	TPY						
LACQUER/STAIN	113.5	0	113.5	6.84	0.38817						
PRIMER	36.5	0	36.5	2.75	0.050188						
SEALANTS/ADHS	18.82	0	18.82	UK	0						
SOLV BASED PAINT	142.9	20.5	122.4	8.5	0.5202						
OTHER COATINGS	3.25	2	1.25	2.8	0.00175						
				TOTAL	0.960308						
SOLVENT	GAL	GAL	NET	VOC	EMISSIO NS						
APPLICATION	USED	DISP	USE	LB/GAL	TPY						

COATING	GAL	GAL	NET	VOC	EMISSIO N						
APPLICATION	USED	DISP	USE	LB/GAL	TPY						
MEK	27.75	0	27.75	6.69	0.092824						
BULK GASOLINE STORAGE/DISTRIBUTING FACILITIES											
	THRUPUT		EMISSIO NS								
	(GAL)	EF	TPY								
VOL OF GASOLINE	584489.9	0.00149 5	0.436906								
AVIATION FUEL	826.45	0.00149 5	0.000618								
DIESEL #2	463820.7	0.00149 5	0.346706								
JP5	94668972	0.00149 5	70.76506								
		TOTAL	71.54929								
ORGANIC SOLVENT DEGREASING AND CLEANING											

SOLVENT/STRIPPER	GAL	GAL	NET	DENSIT Y	EMISSIO N						
OPERATION	USED	DISP	USE	LB/GAL	TPY						
STODARD SOLV	3291	670.55	2620.45	6.56	8.595076						
MYTHEL CHLORIDE	378	261	117	11.07	0.647595						
TOULENE	2.5	0	2.5	7.22	0.009025						
FREON 113	2491.2	893.8	1597.4	6.5	5.19155						
METHANOL	815.475	259.1	556.375	6.95	1.933403						
111 TCA	96	62	34	13.46	0.22882						
				TOTAL	16.60547						

5d Attachment

1993 EMISSIONS											
BOILERS	CAPACITY	FUEL	FUEL	CO EF	NOx EF	VOC EF	PM EF	CO	NOx	VOC	PM
PERMIT/SERIAL NO.	MMBTU	GAL	TYPE	LB/GAL	LB/GAL	LB/GAL	LB/GAL	TPY	TPY	TPY	TPY
860736	1.26	2565	DIESEL	0.005	0.02	0.00034	0.001	0.006413	0.02565	0.000436	0.001283
860737	1.5	10500	PROPANE	0.005	0.02	0.00034	0.001	0.02625	0.105	0.001785	0.00525
860738	1.75	3200	DIESEL	0.005	0.02	0.00034	0.001	0.008	0.032	0.000544	0.0016
K175		2850	DIESEL	0.005	0.02	0.00034	0.001	0.007125	0.0285	0.000485	0.001425
470		5200	PROPANE	0.005	0.02	0.00034	0.001	0.013	0.052	0.000884	0.0026
		(MMCF)		LB/MMCF	LB/MMCF	LB/MMCF	LB/MMCF				
6082	45.8	0.09	NATURAL	430	3400	82.9	10	0.01935	0.153	0.003731	0.00045
6005	45.8	0.09	NATURAL	430	3400	82.9	10	0.01935	0.153	0.003731	0.00045
30053	36	0.09	NATURAL	430	3400	82.9	10	0.01935	0.153	0.003731	0.00045
8821109		0.9	NATURAL	430	3400	82.9	10	0.1935	1.53	0.037305	0.0045
IC ENGINES/GEN	CAPACITY	FUEL	FUEL	CO EF	NOx EF	VOC EF	PM EF	CO	NOx	VOC	PM
PERMIT/SERIAL NO.	MMBTU	GAL	TYPE	LB/GAL	LB/GAL	LB/GAL	LB/GAL	TPY	TPY	TPY	TPY
3463357		180	DIESEL	0.13	0.04243	0.604	0.0425	0.0117	0.003819	0.05436	0.003825
3435312		180	DIESEL	0.13	0.04243	0.604	0.0425	0.0117	0.003819	0.05436	0.003825

226B217529		50	DIESEL	0.13	0.04243	0.604	0.0425	0.00325	0.001061	0.0151	0.001063
40960		50	DIESEL	0.13	0.04243	0.604	0.0425	0.00325	0.001061	0.0151	0.001063
40961		50	DIESEL	0.13	0.04243	0.604	0.0425	0.00325	0.001061	0.0151	0.001063
890903		60	DIESEL	0.13	0.04243	0.604	0.0425	0.0039	0.001273	0.01812	0.001275
890904		45	DIESEL	0.13	0.04243	0.604	0.0425	0.002925	0.000955	0.01359	0.000956
890905		30	DIESEL	0.13	0.04243	0.604	0.0425	0.00195	0.000636	0.00906	0.000638
900847		35	DIESEL	0.13	0.04243	0.604	0.0425	0.002275	0.000743	0.01057	0.000744
WOOD CHIPPER	UK	97.6	DIESEL	0.13	0.04243	0.604	0.0425	0.006344	0.002071	0.029475	0.002074
							TOTAL	0.362882	2.248647	0.287465	0.034532
			OTHER MOBILE								
HYD TEST STANDS											
PERMIT/SERIA L NO.											
890870-890890	96HP	7573.6	JP-5	0.484	0.49	0.0362	0.0246	1.832811	1.855532	0.137082	0.093155
890890-890894											
AIR COND UNITS											
PERMIT/SERIA L NO.											

890895-890901	96HP	7139	JP-5	0.358	0.672	0.0136	0.0137	1.277881	2.398704	0.048545	0.048902
911517-911525											
TURBINE ENGINES											
GTC 85-72											
PERMIT/SERIAL NO.											
920237-920268		86517	JP-5	0.1009	0.0265	0.005	0.0107	4.364783	1.14635	0.216293	0.462866
TURBINE ENGINES											
GTCP 100-82											
PERMIT/SERIAL NO.											
920269-920305		86517	JP-5	0.0402	0.0406	0.005	0.0097	1.738992	1.756295	0.216293	0.419607
							TOTAL	9.214467	7.156881	0.618212	1.024531
		AIRCR AFT									
		TEST TIME (HRS)									
ENGINES	IDLE	MILITARY	95%	90%							
J52-P-8B	1.87	3.71	1.12	1.12							
J52-P-6B	0.91	1.89	1.4	4.97							
ENGINE	IDLE	75%	90%	INTER							
F110-GE-400	22.05	4.2	23.87	52.29							

ENGINE	IDLE	MAX	INTER	ZONE 5							
TF30-P-414A	34.44	26.6	52.15	55.44							
	AIRCRAFT TESTING EMISSIONS										
		EMISSION FACTORS(LB/HR)									
J52-P-8B	IDLE	MILIT AR	95%	90%							
NOX	1.22	43.46	74.36	96.16							
VOC	33.3	2.9	4.22	7.93							
CO	43.37	12.98	5.35	5.22							
PM	16.9	34.9	34.9	52.13							
J52-P-8B		EMISSIONS (TPY)			TOTAL(TPY)						
NOX	0.0011407	0.0806 183	0.04164 2	0.05385	0.17725						
VOC	0.0311355	0.0053 795	0.00236 3	0.00444 1	0.043319						
CO	0.04055095	0.0240 779	0.00299 6	0.00292 3	0.070548						
PM	0.0158015	0.0647 395	0.01954 4	0.02919 3	0.129278						

VOC	0.5775588	0.1109 22	0.16531 6	0.31351 3	1.16731															
CO	0.8794254	0.1284 78	0.25318 8	14.2733 1	15.5344															
PM	0.161007	0.3039 05	0.59581 4	0.66139 9	1.722125															
AEROSPACE COATINGS, PAINT STRIPPING, THINNING SOLVENTS AND WIPING																				
COATING	PRODUCT	GAL USED	GAL DISP	NET USE	VOC LB/GAL	EMISSIONS TPY														
APPLICATION	NAME/ID																			
PRIMER	44-GN-8A	30.32	0	30.32	2.83	0.042903														
TOPCOAT	MIL-C-8525 8	237.39	0	237.39	3.5	0.415433														
TOP COAT	MIL-C-8525 8	2	0	2	4.4	0.0044														
EROSION	DEXTER X300	1.13	0	1.13	4.6	0.002599														
WALK COMP	LD 1842	2.29	0	2.29	3.2	0.003664														
SEALANT	PR 812	0.77	0	0.77	2.89	0.001113														
PRESERV COMP	TECTYL 846	115.83	0	115.83	3.3	0.19112														
PRESERV COMP	E.M 220	1.71	0	1.71	6.2	0.005301														
PRESERV COMP	VV-L-236	3.16	0	3.16	0	0														

PRESERV COMP	CPC GRD 2	0.03	0	0.03	6.3	0.000095					
PRESERV COMP	CLP GRD 3	7.55	0	7.55	6.4	0.02416					
PRESERV COMP	LHB CPC GRD 3	12.72	0	12.72	7.89	0.05018					
PRESERV COMP	VV-L-800	68.62	0	68.62	0	0					
CLEANER	MA 102	325	0	325	0.7	0.11375					
CLEANER	MA 117	150	0	150	0	0					
CLEANER	FREPM 113	25.69	0	25.69	13.13	0.168655					
ADHESIVE	EPON 815	0.38	0	0.38		0					
SEALANT	PR 1750	1.2	0	1.2	2.63	0.001578					
ADHESIVE	SC-846	4.52	0	4.52	5.87	0.013266					
ADHESIVE	FA 1051	3.16	0	3.16	5.23	0.008263					
SEALANT	EPISEAL 2020	5.13	0	5.13	0	0					
SEALANT	RTV 3145	0.6	0	0.6	0.47	0.000141					
SEALANT	RTV 189	5.75		5.75	0.1	0.000288					
SEALANT	PRO 870	8.04		8.04	2.6	0.010452					
ADHESIVE	3M 1751	0.02		0.02	0.1	0.000001					
ADHESIVE	TB1743	4.82		4.82	0	0					
PRIMER	GC 3001	2.5		2.5	5.6	0.007					
AEROSOL	A/C CLEANER	4		4	13	0.026					
				TOTAL EMISSIONS		1.09036					

AERO (CONT.)											
SOLVENT	GAL	GAL	NET	VOC	EMISSIO NS						
USED	USED	DISP	USE	LB/GA L	TPY						
ISO ALCOHOL	109	0	109	6.56	0.35752						
NAPTHA	47.17	0	47.17	6.5	0.153303						
TOULENE	0.38	0	0.38	7.22	0.001372						
FREON SOLV	350.2	0	350.2	13.13	2.299063						
PD 680	35.68	0	35.68	13.13	0.234239						
MIL-R-81294	9.75		9.75	7	0.034125						
MIL-T-81772	291.13		291.13	7.43	1.081548						
MIL-C-85570	289.88		289.88	8.46	1.226192						
MIL-C-43616	175.69		175.69	1.1	0.09663						
A-A-40	5.02		5.02	0.81	0.002033						
P-P-560	28.73		28.73	2.1	0.030167						
				TOTAL	5.516191						
AUTOMOTIVE SURFACE PREPERATIONS AND COATINGS											
COATING	GAL	GAL	NET	VOC	EMISSIO N						
APPLICATION	USED	DISP	USE	LB/GA L	(VOC) TPY						

				TOTAL	0.203						
SOLV/THINNER	GAL	GAL	NET	VOC	EMISSIO N						
REDUCER	USED	DISP	USE	LB/GA L	TPY						
MIL-T-81772	130	0	130	7.11	0.46215						
BULK GASOLINE STORAGE/DISTRIBUTING FACILITIES											
	THROUGH PUT	EF	EMISSI ONS								
	(GAL)	(LB/G AL)	TPY								
VOL OF GASOLINE	556657	0.0014 95	0.41610 1								
A FUEL	16529	0.0014 95	0.01235 5								
DIESEL #2	441734	0.0014 95	0.33019 6								
JP5	90160926	0.0014 95	67.3952 9								
		TOTA L	68.1539 4								

ORGANIC SOLVENT DEGREASING AND CLEANING									
SOLVENT/STRIPPER	GAL	GAL	NET USE	VOC LB/GAL	EMISSION				
OPERATION	USED	DISP			TPY				
STODARD SOLV	41	40	1	6.56	0.021517				
111 TCA	105.63	0	105.63	11.05	0.036244				
FREON	41.2	40	1.2	12.9	0.042312				
TC 100	582.5	233.5	349	0.6	0.001968				
GAS PATH	7	0	7	8	0.02624				
MIL-C-85704	90.5	0	90.5	7.92	0.025978				
				TOTAL	0.154258				

6. ENVIRONMENTAL COMPLIANCE

- 6a. Identify compliance costs, currently known or estimated that are required for permits or other actions required to bring existing practices into compliance with appropriate regulations. Do not include Installation Restoration costs that are covered in Section 7 or recurring costs included in question 6c.. For the last two columns provide the two year totals for those FY's.

Program	Survey Completed?	Costs in \$K to correct deficiencies					
		FY94	FY95	FY96	FY97	FY98-99	FY00-01
Air	YES	780	550	200	225	250	275
Hazardous Waste	YES	350	375	400	425	450	475
Safe Drinking Water Act	YES	683	200	1000	125	150	175
PCBs	YES	0	0	0	0	0	0
Other (non-PCB) Toxic Substance Control Act	YES	0	0	0	0	0	0
Lead Based Paint	NO	0	UNK	UNK	UNK	UNK	UNK
Radon	NO	0	UNK	UNK	UNK	UNK	UNK
Clean Water Act	YES	2150	920	750	250	275	300
Solid Waste	YES	115	75	50	75	100	125
Oil Pollution Act	NO	0	100	UNK	UNK	UNK	UNK
USTs	YES	500	400	300	400	750	200
Other	YES	250	275	300	325	350	375
Total		4828	2895	3000	1825	2325	1925

Provide a separate list of compliance projects in progress or required, with associated cost and estimated start/completion date.

See Attached

6b.

Does your base have structures containing asbestos? YES What % of your base has been surveyed for asbestos? 30% Are additional surveys planned? YES What is the estimated cost to remediate asbestos (\$K) UNKNOWN. Are asbestos survey costs based on encapsulation, removal or a combination of both?

The remaining 70% of the buildings are currently being inventoried and the survey is expected to be completed in FY94. Cost estimates for the 30% that has already been inventoried are being prepared under contract. The estimates will be based on removal and should be available first quarter of FY95.

The survey of asbestos in buildings at NAS Miramar is 30 % complete. The estimate for remediation of all damaged areas identified in this inventory is \$94,500. Extrapolating from this estimate and adding in a cushion, (remaining buildings are larger square footage), we estimate that the total cost for remediation of damaged areas of asbestos is \$400,000. Undamaged areas will be placed on an Operations and Maintenance Program and abated only when they become damaged or when renovations or demolition occurs.

6c. Provide detailed cost of recurring operational (environmental) compliance costs, with funding source.

Funding Source	FY92	FY93	FY94	FY95	FY96	FY97	FY98-99	FY00-01
O&MN	1,745	1,961	1,861	2,872	3,290	3,500*	3,750*	4,000*
HA								
PA								
Other -- DERA	70K	70K	70K	90K	120K	UNK	UNK	UNK
TOTAL	1,815	2,031	1,931	2,962	3,410			

* Figures for last 3 columns depend upon new laws/regulations which may be promulgated. Costs will likely steadily increase during these years due to implementation of the Clean Air Act regulations.

6d. Are there any compliance issues/requirements that have impacted operations and/or development plans at your base.

No.

6b.

Does your base have structures containing asbestos? YES What % of your base has been surveyed for asbestos? 30% Are additional surveys planned? YES What is the estimated cost to remediate asbestos (\$K) UNKNOWN. Are asbestos survey costs based on encapsulation, removal or a combination of both?

The remaining 70% of the buildings are currently being inventoried and the survey is expected to be completed in FY94. Cost estimates for the 30% that has already been inventoried are being prepared under contract. The estimates will be based on removal and should be available first quarter of FY95.

6c. Provide detailed cost of recurring operational (environmental) compliance costs, with funding source.

Funding Source	FY1992	FY1993	FY1994	FY1995	FY1996	FY1997	FY98-99	FY00-01	
O&MN									
HA	0	0	0	0	0	UNK	UNK	UNK	
PA	0	0	0	0	0	UNK	UNK	UNK	
Other O&MN (Station)	1745	1961	1861	2872	3290	UNK	UNK	UNK	
Other (DERA)	70	70	70	90	120	UNK	UNK	UNK	
TOTAL:	1815	2031	1931	2962	3410	UNK	UNK	UNK	

Data has not been developed beyond FY96 because NAS Miramar is scheduled to realign to the U.S. Marine Corps in FY97.

6d. Are there any compliance issues/requirements that have impacted operations and/or development plans at your base.

No.

7. INSTALLATION RESTORATION

7a.

Does your base have any sites that are contaminated with hazardous substances or petroleum products?	YES
Is your base an NPL site or proposed NPL site?	NO

7b. Provide the following information about your Installation Restoration (IR) program. Project list may be provided in separate table format. Note: List only projects eligible for funding under the Defense Environmental Restoration Account (DERA). Do not include UST compliance projects properly listed in section VI.

SITE# OR NAME	TYP E SIT E	GROUND -WATER CONTAM INATED?	EXTEND S OFF BASE ?	DRINKIN G WATER SOURCE?	COST TO COMPLETE (\$M)/EST. COMP. DATE	STATUS/COMMENT
H80004-00 1	UST	NO	NO	NO	0.02M	SITE CHARACTERIZATION STUDY WAS COMPLETED/REMEDIAION IS IN PLANNING
H80004-00 2	UST	NO	NO	NO	0.02M	SITE CHARACTERIZATION STUDY WAS COMPLETED/REMEDIAION IS IN PLANNING
H80004-00 3	UST	NO	NO	NO	0.02M	SITE CHARACTERIZATION STUDY WAS COMPLETED/REMEDIAION IS IN PLANNING
H80004-00 4	UST	NO	NO	NO	0.02M	LONG TERM MONTORING
H80004-00 5	UST	NO	NO	NO	0.02M	LONG TERM MONTORING
H80004-00 6	UST	NO	NO	NO	0.02M	LONG TERM MONTORING
H80004-00 7	UST	NO	NO	NO	0.02M	LONG TERM MONTORING
H80004-00 8	UST	NO	NO	NO	0.02M	LONG TERM MONTORING
H80004-00 9	UST	NO	NO	NO	0.02M	TANK CLOSURE/REMOVAL IS IN PLANNING
H80004-01 0	UST	NO	NO	NO	0.02M	LONG TERM MONTORING

H80004-01 1	UST	NO	NO	NO	0.02M	LONG TERM MONTORING
H80004-01 2	UST	NO	NO	NO	0.02M	LONG TERM MONTORING
H80004-01 3	UST	NO	NO	NO	0.02M	LONG TERM MONTORING
H80004-01 4	UST	NO	NO	NO	0.02M	LONG TERM MONTORING
H80004-01 5	UST	NO	NO	NO	0.02M	LONG TERM MONTORING
H80004-01 6	UST	NO	NO	NO	0.02M	LONG TERM MONTORING
H80004-01 7	UST	NO	NO	NO	0.02M	LONG TERM MONTORING
H80004-01 8	RCR A CA	NO	NO	NO	0.2M/FY 95	RI/FS COMPLETED/REMOVAL ACTION IS IN PLANNING
H80004-01 9	UST	NO	NO	NO	0.02M	TANK CLOSURE/REMOVAL IS IN PLANNING
H80004-02 0	UST	NO	NO	NO	0.02M	LONG TERM MONTORING
H80004-02 1	UST	NO	NO	NO	0.02M	SITE CHARACTERIZATION STUDY WAS COMPLETED/REMEDATION IS IN PLANNING
H80004-02 2	UST	NO	NO	NO	0.02M	SITE CHARACTERIZATION STUDY WAS COMPLETED/REMEDATION IS IN PLANNING
H80004-02 3	UST	NO	NO	NO	0.02M	LONG TERM MONTORING
H80004-02 4	RCR A CA	NO	NO	NO	0.02M	SITE CHARACTERIZATION STUDY WAS COMPLETED/REMEDATION IS IN PLANNING
H80004-02 5	RCR A CA	NO	NO	NO	0.02M	INITIAL SITE ASSESSMENT WAS COMPLETED
H80004-02 6	RCR A CA	NO	NO	NO	0.02M	SITE CHARACTERIZATION STUDY WAS COMPLETED/REMEDATION IS IN PLANNING

H80004-02 7	RCR A CA	NO	NO	NO	0.02M	SITE CHARACTERIZATION STUDY WAS COMPLETED/REMEDATION IS IN PLANNING
H80004-02 8	RCR A CA	NO	NO	NO	0.2M/FY 95	SI COMPLETED/REMOVAL ACTION IS IN PLANNING
H80004-02 9	RCR A CA	NO	NO	NO	0.2M/FY 95	SI COMPLETED/REMOVAL ACTION IS IN PLANNING
H80004-03 0	RCR A CA	NO	NO	NO	0.2M/FY 95	SI COMPLETED/REMOVAL ACTION IS IN PLANNING
H80004-03 1	RCR A CA	NO	NO	NO	0.2M/FY 95	SI COMPLETED/REMOVAL ACTION IS IN PLANNING
H80004-03 2	RCR A CA	NO	NO	NO	0.02M	SI/REMOVAL ACTION IS IN PLANNING
H80004-03 3	UST	NO	NO	NO	0.02M	SITE ASSESSMENT IS IN PLANNING
H80004-03 4	UST	NO	NO	NO	0.02M	REQUESTED FOR CLOSURE
H80004-03 5	UST	NO	NO	NO	0.02M	REQUESTED FOR CLOSURE
H80004-03 6	UST	NO	NO	NO	0.02M	SITE CHARACTERIZATION STUDY WAS COMPLETED/REMEDATION IS IN PLANNING
H80004-03 7	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-03 8	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-03 9	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-04 0	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-04 1	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-04 2	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-04 3	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING

H80004-0 44	UST	NO	NO	NO	0.02M/FY9 5	SITE ASSESSMENT IS IN PLANNING
H80004-0 45	UST	NO	NO	NO	0.02M/FY9 5	SITE ASSESSMENT IS IN PLANNING
H80004-0 46	UST	NO	NO	NO	0.02M/FY9 5	SITE ASSESSMENT IS IN PLANNING
H80004-0 47	UST	NO	NO	NO	0.02M/FY9 5	SITE ASSESSMENT IS IN PLANNING
H80004-0 48	UST	NO	NO	NO	0.02M/FY9 5	SITE ASSESSMENT IS IN PLANNING
H80004-0 49	UST	NO	NO	NO	0.02M/FY9 5	SITE ASSESSMENT IS IN PLANNING
H80004-0 50	UST	NO	NO	NO	0.02M/FY9 5	SITE ASSESSMENT IS IN PLANNING

¹ Type site: CERCLA, RCRA corrective action (CA), UST or other (explain)

² Status = PA, SI, RI, RD, RA, long term monitoring, etc.

It is not possible to cleanup all IR sites by FY95. The Data Call #33 listed all DERA funded eligible sites, some of which are IR and some UST sites. Out of the 50 sites listed, cleanup of only five IR sites (#H80004-018, 028, 029, 030, 031) may be accomplished by end of FY95.. Please note that on BRAC Data Call #33, completion dates for cleanup of UST sites 037-050 were erroneously listed as FY95. Site Assessments will begin on these sites in FY95, however remediation will not. It is difficult to estimate cleanup completion dates for all of these sites because there are so many variables involved. For each site, cleanup will not begin until Site Assessment is complete. Some of them may not require remediation after Site Assessment due to insignificant contamination. Factors such as extent of contamination, risk to public health and funding availability will determine completion dates. Many sites may require long-term monitoring regardless of whether cleanup occurs. Total cleanup will likely extend at least beyond 2005.

7c. Have any contamination sites been identified for which there is no recognized/accepted remediation process available? List.

NO

7d.

Is there a groundwater treatment system in place?	NO
Is there a groundwater treatment system planned?	NO

State scope and expected length of pump and treat operation.

N/A

H80004-04 4	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-04 5	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-04 6	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-04 7	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-04 8	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-04 9	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING
H80004-05 0	UST	NO	NO	NO	0.02M/FY95	SITE ASSESSMENT IS IN PLANNING

¹ Type site: CERCLA, RCRA corrective action (CA), UST or other (explain)

² Status = PA, SI, RI, RD, RA, long term monitoring, etc.

7c. Have any contamination sites been identified for which there is no recognized/accepted remediation process available? List.

NO

7d.

Is there a groundwater treatment system in place?	NO
Is there a groundwater treatment system planned?	NO

State scope and expected length of pump and treat operation.

N/A

7e.

Has a RCRA Facilities Assessment been performed for your base?	NO
--	----

7f. Does your base operate any conforming storage facilities for handling **hazardous materials**? If YES, describe facility, capacity, restrictions, and permit conditions.

YES. Bldg 216 is the central storage facility for hazardous materials. Total storage square footage is 39,900 sqft including 6,089 sqft enclosed space. There is no restriction or permit conditions.

R

7g. Does your base operate any conforming storage facilities for handling **hazardous waste**? If YES, describe facility, capacity, restrictions, and permit conditions.

Yes. NAS Miramar operates a 90 day hazardous waste storage facility. This 3200SF storage facility is located at Bldg 687 and does not require a permit.

7h. Is your base responsible for any non-appropriated fund facilities (exchange, gas station) that require cleanup? If so, describe facility/location and cleanup required/status.

YES. Navy Exchange Gas Station, Bldg 214 is an installation restoration site. Site inspection is completed. Removal action is in planning phase.

7i.

Do the results of any radiological surveys conducted indicate limitations on future land use? Explain below.	NO
--	----

Radon survey was completed. The results were negative.

7j. Have any base operations or development plan been restrict due to Installation Restoration considerations? None

7k. List any other hazardous waste treatment or disposal facilities not included in question 7b above. Include capacity, restrictions and permit conditions. N/A

8. LAND / AIR / WATER USE

8a. List the acreage of each real estate component controlled or managed by your base (e.g., Main Base - 1,200 acres, Outlying Field - 200 acres, Remote Range - 1,000 acres, remote antenna site - 5 acres, Off-Base Housing Area - 25 acres).

Parcel Descriptor	Acres	Location
Main Base (Operations)	3,334.63	Main Base - Operations
West / Southwest	4,140.65	Main Base - Landfill
East Miramar	8,310.31	Special Area - East Miramar
Sycamore Canyon	7,399.65	Special Area - Sycamore Canyon

Total	23,185.24	

R

All sites are contiguous and within the boundaries of NAS Miramar. Total area is 23,185.24 acres.

7g. Does your base operate any conforming storage facilities for handling **hazardous waste**? If YES, describe facility, capacity, restrictions, and permit conditions.

Yes. NAS Miramar operates a 90 day hazardous waste storage facility. This 3200SF storage facility is located at Bldg 687 and does not require a permit.

7h. Is your base responsible for any non-appropriated fund facilities (exchange, gas station) that require cleanup? If so, describe facility/location and cleanup required/status

YES. Navy Exchange Gas Station, Bldg 214 is an installation restoration site. Site inspection is completed. Removal action is in planning phase.

7i.

Do the results of any radiological surveys conducted indicate limitations on future land use? Explain below.	NO
--	----

Radon survey was completed. The results were negative.

7j. Have any base operations or development plan been restrict due to Installation Restoration considerations? None

7k. List any other hazardous waste treatment or disposal facilities not included in question 7b above. Include capacity, restrictions and permit conditions. N/A

8. LAND / AIR / WATER USE

8a. List the acreage of each real estate component controlled or managed by your base (e.g., Main Base - 1,200 acres, Outlying Field - 200 acres, Remote Range - 1,000 acres, remote antenna site - 5 acres, Off-Base Housing Area - 25 acres).

Parcel Descriptor	Acres	Location
Main Base (Operations)	3,334.63	Main Base - Operations
West / Southwest	4,140.65	Main Base - Landfill
East Miramar	8,310.31	Special Area - East Miramar
Sycamore Canyon	7,399.65	Special Area - Sycamore Canyon
Total	23,185.24	

All sites are contiguous and within the boundaries of NAS Miramar. Total area is 23,185.24 acres.

8b. Provide the acreage of the land use categories listed in the table below:

R

LAND USE CATEGORY		ACRES
Total Developed: (administration, operational, housing, recreational, training, etc.)		5,977.24
Total Undeveloped (areas that are left in their natural state but are under specific environmental development constraints, i.e.: wetlands, endangered species, etc.)	Wetlands	2,400
	All Others:	993.64
Total Undeveloped land considered to be without development constraints, but which may have operational/man caused constraints (i.e.: HERO, HERF, HERP, ESQD, AICUZ, etc.) TOTAL		6,956.36
Total Undeveloped land considered to be without development constraints		6,858
Total Off-base lands held for easements/lease for specific purposes		45
Breakout of undeveloped, restricted areas. Some restricted areas may overlap:	ESQD	2,300
	HERF	148.69
	HERP	0.16
	HERO	189.51
	AICUZ	3092
	Airfield Safety Criteria	826
	Other - Small Arms Fire Zones	400

8c. How many acres on your base (includes off base sites) are dedicated for training purposes (e.g., vehicular, earth moving, mobilization)? This does not include buildings or interior small arms ranges used for training purposes. _____
15,108

8d. What is the date of your last AICUZ update? 03/01/93 Are any waivers of airfield safety criteria in effect on your base?
No. Summarize the conditions of the waivers below.
N/A

8b. Provide the acreage of the land use categories listed in the table below:

LAND USE CATEGORY		ACRES
Total Developed: (administration, operational, housing, recreational, training, etc.)		5,977.24
Total Undeveloped (areas that are left in their natural state but are under specific environmental development constraints, i.e.: wetlands, endangered species, etc.)		Wetlands: 2,400
		All Others: 993.64
Total Undeveloped land considered to be without development constraints, but which may have operational/man caused constraints (i.e.: HERO, HERF, HERP, ESQD, AICUZ, etc.) TOTAL		16,214.36
Total Undeveloped land considered to be without development constraints		6,858
Total Off-base lands held for easements/lease for specific purposes		45
Breakout of undeveloped, restricted areas. Some restricted areas may overlap:	ESQD	2,300
	HERF	148.69
	HERP	0.16
	HERO	189.51
	AICUZ	9,950
	Airfield Safety Criteria	826
	Other - Small Arms Fire Zones	2,800

8c. How many acres on your base (includes off base sites) are dedicated for training purposes (e.g., vehicular, earth moving, mobilization)? This does not include buildings or interior small arms ranges used for training purposes. _____ 15,108

8d. What is the date of your last AICUZ update? 03/01/93 Are any waivers of airfield safety criteria in effect on your base? No. Summarize the conditions of the waivers below.

N/A

8e. List the off-base land use types (e.g, residential, industrial, agricultural) and acreage within Noise Zones 2 & 3 generated by your flight operations and whether it is compatible/incompatible with AICUZ guidelines on land use.

8e. List the off-base land use types (e.g, residential, industrial, agricultural) and acreage within Noise Zones 2 & 3 generated by your flight operations and whether it is compatible/incompatible with AICUZ guidelines on land use.

R

Acreage/Location/ID	Zones 2 or 3	Land Use	Compatible / Incompatible
1,974 Acres north of Miramar Road & west of I-805	2	Industrial / Commercial	Normally Compatible
275 Acres north of Miramar Road & West of I-805	2	Residential	Normally Incompatible

NAS Miramar Master Plan - Table 17, page F-26/Map page F-18.

8f. List the navigational channels and berthing areas controlled by your base which require maintenance dredging? Include the frequency, volume, current project depth, and costs of the maintenance requirement.

Navigational Channels/ Berthing Areas	Location / Description	Maintenance Dredging Requirement			
		Frequency	Volume (MCY)	Current Project Depth (FT)	Cost (\$M)
N/A					

Acreage/Location/ID	Zones 2 or 3	Land Use	Compatible/ Incompatible
1,974 Acres north of Miramar Road & west of I-805	2	Industrial/ Commercial	Normally Compatible
275 Acres north of Miramar Road & West of I-805	2	Residential	Normally Incompatible

NAS Miramar Master Plan - Table 17, page F-26/Map page F-18.

8f. List the navigational channels and berthing areas controlled by your base which require maintenance dredging? Include the frequency, volume, current project depth, and costs of the maintenance requirement.

Navigational Channels/ Berthing Areas	Location / Description	Maintenance Dredging Requirement			
		Frequency	Volume (MCY)	Current Project Depth (FT)	Cost (\$M)
N/A					

8g. Summarize planned projects through FY 1997 requiring new channel or berthing area dredged depths, include location, volume and depth.

N/A

8h.

Are there available designated dredge disposal areas for maintenance dredging material? List location, remaining capacity, and future limitations.	N/A
Are there available designated dredge disposal areas for new dredge material? List location, remaining capacity, and future limitations.	N/A
Are the dredged materials considered contaminated? List known contaminants.	N/A

8.i. List any requirements or constraints resulting from consistency with **State Coastal Zone Management Plans**.

None.

8g. Summarize planned projects through FY 1997 requiring **new channel or berthing area** dredged depths, include location, volume and depth. R

N/A

8h.

Are there available designated dredge disposal areas for maintenance dredging material? List location, remaining capacity, and future limitations.	N/A
Are there available designated dredge disposal areas for new dredge material? List location, remaining capacity, and future limitations.	N/A
Are the dredged materials considered contaminated? List known contaminants.	N/A

8.i. List any requirements or constraints resulting from consistency with **State Coastal Zone Management Plans**.

None.

8j. Describe any **non-point source pollution problems affecting water quality**, e.g.: coastal erosion.

None.

8k.

If the base has a cooperative agreement with the US Fish and Wildlife Service and/or the State Fish and Game Department for conducting a hunting and fishing program, does the agreement or these resources constrain either current or future operations or activities? Explain the nature and extent of restrictions.	N/A
---	-----

NONE. The station does not have any cooperative agreements with either US Fish and Wildlife Service or the Fish & Game Department for conducting hunting or fishing programs.

8l. List any other areas on your base which are indicated as protected or preserved habitat other than threatened/endangered species that have been listed in Section 1. List the species, whether or not treated, and the acres protected/preserved.

NAS Miramar has a 2,000 acre Research Natural Area. The National Park Service designated the 400 acre Miramar Mounds National Natural Landmark.

8j. Describe any **non-point source pollution problems affecting water quality** ,e.g.: coastal erosion.

None.

8k.

If the base has a cooperative agreement with the US Fish and Wildlife Service and/or the State Fish and Game Department for conducting a hunting and fishing program, does the agreement or these resources constrain either current or future operations or activities? Explain the nature and extent of restrictions.	N/A
---	-----

8l. List any other areas on your base which are indicated as protected or preserved habitat other than threatened/endangered species that have been listed in Section 1. List the species, whether or not treated, and the acres protected/preserved.

NAS Miramar has a 2,000 acre Research Natural Area. The National Park Service designated the 400 acre Miramar Mounds National Natural Landmark.

9. WRAPUP

9a. Are there **existing or potential environmental showstoppers** that have affected or will affect the accomplishment of the installation mission that have not been covered in the previous 8 questions?

No.

9b. Are there any **other environmental permits** required for base operations, include any relating to industrial operations.

No.

9c. Describe any **other environmental or encroachment restrictions** on base property not covered in the previous 8 sections.

None.

9d. List any **future/proposed laws/regulations or any proposed laws/regulations** which will constrain base operations or development plans in any way. Explain.

No future/proposed laws/regulations are known that will significantly constrain base operations or development.

9. WRAPUP

R

9a. Are there **existing or potential environmental showstoppers** that have affected or will affect the accomplishment of the installation mission that have not been covered in the previous 8 questions?

No.

9b. Are there any **other environmental permits** required for base operations, include any relating to industrial operations.

No.

9c. Describe any **other environmental or encroachment restrictions** on base property not covered in the previous 8 sections.

None.

9d. List any **future/proposed laws/regulations or any proposed laws/regulations** which will constrain base operations or development plans in any way. Explain.

No future/proposed laws/regulations are known that will significantly constrain base operations or development.



ENVIRONMENTAL COMPLIANCE PROJECTS PROGRAM

FY95 PROJECTS

REV	ACTIVITY	CLASS	PCR NO.	STEP	PROJECT TITLE	TOTAL COST \$000	N/R COST \$000	CONST COST \$000	EQUIP COST \$000	STUDY COST \$000	DESIGN COST \$000	DESIGN AGENT	METH OF ACCP	TYCOM	REGIONAL COORDINA
	NAS MIRAMAR	1B	A014N	N	CFC REPLACEMENT STUDY	300	300	0	0	0	0			AIRPAC	CNB SDIEGO
	NAS MIRAMAR	2B	A014Q	X	SRC TST AIR EMISS SOURCES	200	0	0	0	200	0			AIRPAC	CNB SDIEGO
	NAS MIRAMAR	1B	A014U	X	NEW SOURCE REVIEW	50	0	0	0	50	0			AIRPAC	CNB SDIEGO
	NAS MIRAMAR	1B	A014V	N	ASBESTOS EMISSION CONTROL	500	500	0	0	0	0			AIRPAC	CNB SDIEGO
A	NAS MIRAMAR	2A	A1	X	IMPLEMENT TITLE V CAA	150	0	0	0	150	0	SWDIV	C	AIRPAC	CNB SDIEGO
	NAS MIRAMAR	1B	G1	X	ECOLOGY OF CALIF GNATCATCH	120	0	0	0	120	0	SWDIV	C	AIRPAC	CNB SDIEGO
A	NAS MIRAMAR	2A	G1	X	MULTI-SPECIES CONSERV PLAN	150	0	0	0	150	0	SWDIV	C	AIRPAC	CNB SDIEGO
	NAS MIRAMAR	1B	H1	X	HIST ARCH RES PRESERV PLAN	200	0	0	0	200	0	SWDIV	C	AIRPAC	CNB SDIEGO
	NAS MIRAMAR	2A	S	N	CONC CORROSION PROT MAINT	1,300	1300	0	0	0	0			AIRPAC	CNB SDIEGO
	NAS MIRAMAR	2A	S	N	LEAD ASSES/REMOVAL SM ARMS R	220	0	220	0	0	0			AIRPAC	CNB SDIEGO
	NAS MIRAMAR	1B	S073Q	N	USED OIL/SOLV RECYCLING	200	0	200	0	0	0			AIRPAC	CNB SDIEGO
	NAS MIRAMAR	1B	S073V	X	TANK 902 REPLACEMENT/RETRO	100	100	0	0	0	0			AIRPAC	CNB SDIEGO
	NAS MIRAMAR	2A	S073X	X	REMOVE ABV GRND TANKS	200	200	0	0	0	0	SWDIV	C	AIRPAC	CNB SDIEGO
A	NAS MIRAMAR	1B	S1	X	REM ABV USTS BK212	235	0	200	0	0	35	SWDIV	C	AIRPAC	CNB SDIEGO
	NAS MIRAMAR	2A	W	X	INST SPILL OVERFILL CONTRL	100	100	0	0	0	0			AIRPAC	CNB SDIEGO
	NAS MIRAMAR	2A	W	X	NPDES PERM APP STRMTR CUT	200	0	0	0	200	0			AIRPAC	CNB SDIEGO

CR NO. Z PCR NOT SUBMITTED
 ZO PCR SUBMITTED/BEING PROCESSED
 *000Z PCR VALOATED

STEP N STEP II NOT SUBMITTED
 P STEP II SUBMITTED/BEING PROCESSED
 X STEP I REQUIRED
 V STEP I VATED

METHOD OF ACCOMPLISHMENT
 C CONTRACT
 I IN-HOUSE
 O OTHER



ENVIRONMENTAL COMPLIANCE PROJECTS PROGRAM

FY95 PROJECTS

REV	ACTIVITY	CLASS	PCR NO.	STEP	PROJECT TITLE	TOTAL COST \$000	M/R COST \$000	CONST COST \$000	EQUIP COST \$000	STUDY COST \$000	DESIGN COST \$000	DESIGN AGENT	METH OF ACCP	TYCOM	REGIONAL COORDINATOR
	NAS MIRAMAR	1B	NO	X	STORMWATER MANAGEMENT PLAN	150	0	0	0	150	0			AIRPAC	CNB SDIEGO
	NAS MIRAMAR	1B	NO	X	WASTE OIL TANK REMOV/REPLM	165	150	0	0	0	15	SWOIV	C	AIRPAC	CNB SDIEGO
	NAS MIRAMAR	1B	NO16V	N	ELIM ILLIC STRMWR DISCH	550	500	0	0	0	50			AIRPAC	CNB SDIEGO
	NAS MIRAMAR	2B	NO16W	X	IMPL OPA 90 REQMT	75	0	0	0	75	0			AIRPAC	CNB SDIEGO

					TOTAL	M/R	CONST	EQUIP	STUDY	DESIGN	TOTAL PROJECTS	
NAS MIRAMAR					SUMMARY OF COSTS (\$000)	5,165	3150	620	0	1295	100	20

					TOTAL	M/R	CONST	EQUIP	STUDY	DESIGN	
ALL PROJECTS					SUMMARY OF COSTS (\$000)	5,165	3150	620	0	1295	100
					TOTAL PROJECTS	20					

1. NO. Z PCR NOT SUBMITTED
 ZD PCR SUBMITTED/BEING PROCESSED
 WZ PCR VALIDATED

STEP N STEP II NOT SUBMITTED
 P STEP II SUBMITTED/BEING PROCESSED
 X STEP II REQUIRED
 V STEP II VALIDATED

METHOD OF ACCOMPLISHMENT C CONTRACT
 I IN-HOUSE
 O OTHER

MONTHLY STATUS SUMMARY REPORT

06 MAY 1994

PLEASE PROVIDE STATUS OF ALL PROJECTS ON THE FY94 EXECUTION PLAN.

ACTIVITY	PCR NO.	PROJECT TITLE	EXECUT AGENT	METHOD ACCOMP	CWE (\$000)	EST OBLIG DATE	EST DESIGN START	EST DESIGN COMPL	EST CONSTR START	EST CONSTR COMPL	STEP	REMARKS
NAS MIRAMAR	A014H	DRY FILTR SP PNT BOOTH 558	SWDIV	C	280	07/15/94	/ /	/ /	/ /	/ /	N	
NAS MIRAMAR	A014H	CFC REPLACEMENT STUDY	SWDIV	C	30	06/30/94	/ /	/ /	/ /	/ /	N	
NAS MIRAMAR	A014P	INV VOC & TOXIC EMISS	SWDIV	C	127	04/29/94	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	A014Q	SRC TST AIR EMISS SOURCES	SWDIV	C	200	04/29/94	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	A014U	NEW SOURCE REVIEW	SWDIV	C	50	05/24/94	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	A014V	ASBESTOS EMISSION CONTROL	SWDIV	C	50	06/30/94	/ /	/ /	/ /	/ /	N	
NAS MIRAMAR	D112A	CROSS CONNECT CONTROL SURV	PWC SD	I	683	/ /	/ /	/ /	/ /	/ /	N	
NAS MIRAMAR	G1	ECOLOGY OF CALIF GNATCATCH	SWDIV	C	185	/ /	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	S0731	OIL/HAZ SUB CONTAIN CONSTR	SWDIV	C	800	07/30/94	/ /	/ /	/ /	/ /	P	
NAS MIRAMAR	S0731	UPGR/CONST <90-DAY STO FAC	PWC SD	I	60	/ /	/ /	/ /	/ /	/ /	N	
NAS MIRAMAR	S073P	OIL/NTR SEP RETROFIT	PWC SD	I	667	/ /	/ /	/ /	/ /	/ /	N	
NAS MIRAMAR	S073Q	USED OIL/SOLV RECYCLING	SWDIV	C	20	04/15/94	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	S073S	SOLID WASTE MANAGEMENT PLN	SWDIV	C	114	12/10/93	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	S073V	TANK 902 REPLACEMENT/RETRO	SWDIV	C	20	05/30/94	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	S073Z	INST ABV GRND FUEL TANKS	SWDIV	C	200	05/15/94	/ /	/ /	/ /	/ /	N	
NAS MIRAMAR	S1	PRECISION TEST USTS - 10	SWDIV	C	110	05/24/94	/ /	/ /	/ /	/ /	X	

PCR 2 PCR NOT SUBMITTED
20 PCR SUBMITTED/BEING PROCESSED
2000Z PCR VALIDATED/APPROVED

STEP H STEP I
P STEP I
X STEP I
V STEP II
SUBMITTED
VALIDATED/BEING PROCESSED
REQUIRED
VALIDATED/APPROVED

METHOD OF ACCOMPLISHMENT C CONTRACT
I IN-HOUSE
O OTHER





MONTHLY STATUS SUMMARY REPORT

06 MAY 1994

PLEASE PROVIDE STATUS OF ALL PROJECTS ON FY94 EXECUTION PLAN.

ACTIVITY	PCR NO.	PROJECT TITLE	EXECUT AGENT	METHOD ACCOMP	CHE (\$000)	EST OBLIG DATE	EST DESIGN START	EST DESIGN COMPL	EST CONSTR START	EST CONSTR COMPL	STEP	RE
NAS MIRAMAR	S1	RECYCLING EQUIPMENT	ACTIVITY	I	100	/ /	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	S294C	TIERED PERMITTING	SHDIV	C	87	02/25/94	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	S579A	UST REMEDIAL INVESTIGATION	SHDIV	C	200	06/30/94	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	S579B	POLLUTION PREVENTION SURVY	SHDIV	C	150	04/29/94	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	S579C	INSTALL SW COMPACTOR	PWC SD	I	47	/ /	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	W016R	MOBILE WSTEWTR TRTMT SYS	SHDIV	C	420	04/29/94	/ /	/ /	07/15/94	/ /	N	
NAS MIRAMAR	W016V	ELIM ILLIC STRMMTR DISCH	SHDIV	C	50	05/30/94	/ /	/ /	/ /	/ /	N	
NAS MIRAMAR	W016X	STORMWATER MANAGEMENT PLAN	SHDIV	C	206	03/14/94	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	W1	EVAL OIL/WATER SEPARATORS	PWC SD	I	50	/ /	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	W1	INST SPILL OVERFLOW CONTRL	SHDIV	C	20	04/29/94	/ /	/ /	/ /	/ /	X	
NAS MIRAMAR	W1	SPILL RESPONSE STA EQUIPMT	SHDIV	C	20	/ /	/ /	/ /	/ /	/ /	X	

NAS MIRAMAR

TOTAL COSTS(\$000)

4,946

TOTAL PROJECTS

27

PCR NO. Z PCR NOT SUBMITTED
 ZO PCR SUBMITTED/BEING PROCESSED
 ZO00Z PCR VALIDATED/APPROVED

STEP N STEP II NOT SUBMITTED
 P STEP II SUBMITTED/BEING PROCESSED
 X STEP II NOT REQUIRED
 V STEP II VALIDATED/APPROVED

METHOD OF ACCOMPLISHMENT C CONTRACT
 I IN-HOUSE
 O OTHER

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

MajGen P. D. WILLIAMS
NAME (Please type or print)



Signature

Commanding Officer
Title

12 Sep 94

Date

Marine Corps Air Station El Toro
Activity

BRAC-95 CERTIFICATION

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

Col R. P. EICHORN

NAME (Please type or print)

Deputy Assistant Chief of Staff

Title



Signature

7 JUN 94

Date

**Base Realignment and Closure
Department**

**Marine Corps Air Bases, Western Area
Activity**

Enclosure (1)

MCAS MIRAMAR DATA CALL 33 PAGE CHANGES

R pg. 4, 5, 5a,
10, 10a 11, 12-15,
40, 44-49.

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

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

MAJOR CLAIMANT LEVEL

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 belief.

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

J. A. BRABHAM
LIEUTENANT GENERAL, U.S. MARINE CORPS
NAME of print
DEPUTY CHIEF OF STAFF FOR
INSTALLATIONS AND LOGISTICS

Title

Signature

Date


4/8/94

BRAC-95 CERTIFICATION

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

DATA CALL: 33

ACTIVITY: MCA3 MIRAMAR

PAGE (S): 4, 5, 5a, 10, 10a, 11, 11a, 12, 13, 14, 15, 40, 44, 45, 45a, 46, 47, 48, 49

BSWG REVIEW OFFICIAL

G.W. MOORE
NAME (Please type or print)

MAJOR, LONG RANGE LAND USE PLANNER
Title

G.W. Moore
Signature

3 NOV 94
Date

BRAC-95 CERTIFICATION

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

JEANNE K. PAYNE

NAME (Please type or print)

ASST. ADMIN OFFICER, G5-11

Title

NAS MIRAMAR

Division

110A

Department

NAS MIRAMAR SAN DIEGO CA

Activity

Jeanne K Payne
Signature

10-14-94
Date



**MILITARY VALUE ANALYSIS:
DATA CALL WORK SHEET FOR
OPERATIONAL/RESERVE AIR STATION: MCAS (proposed) MIRAMAR**

**Category Operational Support
Sub-category Operational and Reserve Air Stations
Types Navy and Marine Corps Operational and
Reserve Air Stations and Facilities**

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

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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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

MajGen P. D. WILLIAMS
NAME (Please type or print)


Signature

Commanding Officer
Title

16 Jun 94
Date

Marine Corps Air Station El Toro
Activity

Airspace Designator: Kane MOA

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MOA
- b. Dimensions (nmi. x nmi. x ft of altitude) 40NM X 76NM, 10,000 - FL400
- c. Distance from main airfield 50 NM
- d. Time enroute from main airfield 15 minutes
- e. Controlling agency FAA ARTCC, Los Angeles Center
- f. Scheduling agency MCAS Yuma
- g. Are canned/stereo airways needed to access air space? No. Three stereo routes are available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace One - V137
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 2,488
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- m. Percent of sorties cancelled due to weather. Approximately 10 percent.
- n. Number of available hours in FY 1993 7,631.1
- o. Number of scheduled hours in FY 1993 1,732.9
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Number of hours used 953.3
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- q. Types of training permitted ACM, PMCF, AAI, TAM, in-flight refueling, fam flights, all weather training flights.
- r. Is the training within this airspace affected by environmental issues? If so, how? Yes. Contact scheduling agency for details.

Airspace Designator: Turtle MOA

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MOA
- b. Dimensions (nmi. x nmi. x ft of altitude) 85NM X 28NM, 11,000 - FL220
- c. Distance from main airfield 120NM
- d. Time enroute from main airfield 25 minutes.
- e. Controlling agency FAA ARTCC, Los Angeles Center
- f. Scheduling agency MCAS Yuma
- g. Are canned/stereo airways needed to access air space? No. No stereo routes are available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace Three - V208, V442, and V135
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace Two - J10 and J236
- l. Number of sorties flown in FY 1993 Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available..
- m. Percent of sorties cancelled due to weather. approximately 10 percent.
- n. Number of available hours in FY 1993 7,901.4
- o. Number of scheduled hours in FY 1993 858.6
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Number of hours used Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- q. Types of training permitted ACM, in-flight refueling, AAI, all weather flight training.
- r. Is the training within this airspace affected by environmental issues? If so, how? Yes. Contact scheduling agency for details.

Airspace Designator: Abel MOA

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MOA
- b. Dimensions (nmi. x nmi. x ft of altitude) 35NM X 40NM, 7,000 - FL400
- c. Distance from main airfield 85NM
- d. Time enroute from main airfield 25 minutes.
- e. Controlling agency FAA ARTCC, Los Angeles Center
- f. Scheduling agency MCAS Yuma
- g. Are canned/stereo airways needed to access air space? No. No stereo routes are available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes.
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace None
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 8,264
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- m. Percent of sorties cancelled due to weather. approximately 10 percent.
- n. Number of available hours in FY 1993 6,495.6
- o. Number of scheduled hours in FY 1993 2,998.8
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Number of hours used 1,881.9
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- q. Types of training permitted ACM, in-flight refueling, PMCF, air intercept, tac air, all weather training.
- r. Is the training within this airspace affected by environmental issues? If so, how? Yes. Contact scheduling agency for details.

Airspace Designator: IR217

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) 200' AGL up to 7,000; 5NM each side of centerline.
- c. Distance from main airfield Closest entry point - 90NM
- d. Time enroute from main airfield 35 minutes
- e. Controlling agency FAA ARTCC, Los Angeles Center
- f. Scheduling agency 3D Marine Aircraft Wing
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace IR-217 crosses 14 airways: V8; V12; V16; V21; V64; V135; V208; V210; V264; V283; V372; V432; V460
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 Approximately 1018
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- m. Percent of sorties cancelled due to weather. Data not available.
- n. Number of available hours in FY 1993 8,760
- o. Number of scheduled hours in FY 1993 509
 - By Navy/USMC 59
 - By other services (including reserves and national guard) 450
- p. Number of hours used 509
 - By Navy/USMC 59
 - By other services (including reserves and national guard) 450
- q. Types of training permitted Low level
- r. Is the training within this airspace affected by environmental issues? If so, how? None

Airspace Designator: VR 249

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) 3,000 - 5,000, 5NM each side of centerline.
- c. Distance from main airfield 250 NM
- d. Time enroute from main airfield 1+15
- e. Controlling agency FAA ARTCC, Los Angeles Center
- f. Scheduling agency NAS Miramar
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Partial
- i. Is the airspace under communications coverage? Partial
- j. Number of low level airways (below 18,000 ft) that bisect airspace Three airways cross VR249; V27; C1176L; and V111.
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 Approximately 170
 - By Navy/USMC 156
 - By other services (including reserves and national guard) 14
- m. Percent of sorties cancelled due to weather. Unknown
- n. Number of available hours in FY 1993 Continuous
- o. Number of scheduled hours in FY 1993 140
 - By Navy/USMC 129
 - By other services (including reserves and national guard) 11
- p. Number of hours used 137
 - By Navy/USMC 128
 - By other services (including reserves and national guard) 9
- q. Types of training permitted Low level
- r. Is the training within this airspace affected by environmental issues? If so, how? None.

Airspace Designator: IR250

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) Sfc to 8,000; 5NM each side of centerline.
- c. Distance from main airfield To the closest entry point - 80NM
- d. Time enroute from main airfield 25 minutes
- e. Controlling agency FAA ARTCC, Los Angeles Center
- f. Scheduling agency NAS Miramar
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace Four airways cross IR250: V432, V264, V208 and V538.
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 Approximately 80
 - By Navy/USMC 64
 - By other services (including reserves and national guard) 16
- m. Percent of sorties cancelled due to weather. Unknown
- n. Number of available hours in FY 1993 Daylight, even numbered days, 2,100 hours.
- o. Number of scheduled hours in FY 1993 58
 - By Navy/USMC 44
 - By other services (including reserves and national guard) 14
- p. Number of hours used 57
 - By Navy/USMC 43
 - By other services (including reserves and national guard) 14
- q. Types of training permitted Low level
- r. Is the training within this airspace affected by environmental issues? If so, how? None.

Airspace Designator: IR252

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) Sfc - 8,000; 5NM each side of centerline.
- c. Distance from main airfield 124 NM
- d. Time enroute from main airfield 25 minutes
- e. Controlling agency FAA ARTCC, Los Angeles Center.
- f. Scheduling agency NAS Miramar
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace IR252 crosses nine airways: V12, V442, V8, V210, V135, V538, V208, V264, and V432.
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 2
 - By Navy/USMC 2
 - By other services (including reserves and national guard) 0
- m. Percent of sorties cancelled due to weather. None
- n. Number of available hours in FY 1993 2,196
- o. Number of scheduled hours in FY 1993 1.5
 - By Navy/USMC 1.5
 - By other services (including reserves and national guard) 0
- p. Number of hours used 1.5
 - By Navy/USMC 1.5
 - By other services (including reserves and national guard) 0
- q. Types of training permitted Low level
- r. Is the training within this airspace affected by environmental issues? If so, how? None.

Airspace Designator: IR254

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) Sfc - 9,000; 5NM each side of centerline.
- c. Distance from main airfield 250NM
- d. Time enroute from main airfield 1+10
- e. Controlling agency FAA ARTCC, Los Angeles Center
- f. Scheduling agency NAS Miramar
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace Two airways cross IR254: V12 and V105.
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 0
 - By Navy/USMC 0
 - By other services (including reserves and national guard) 0
- m. Percent of sorties cancelled due to weather. 0
- n. Number of available hours in FY 1993 Mon-Fri, daylight hours.
- o. Number of scheduled hours in FY 1993 0
 - By Navy/USMC 0
 - By other services (including reserves and national guard) 0
- p. Number of hours used 0
 - By Navy/USMC 0
 - By other services (including reserves and national guard) 0
- q. Types of training permitted Low level
- r. Is the training within this airspace affected by environmental issues? If so, how? Noise sensitive areas: avoid the towns of Kirkland Junction and Peoples Valley.

Airspace Designator: IR255

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) Sfc - 7,000; 5NM each side of centerline.
- c. Distance from main airfield 115NM
- d. Time enroute from main airfield 35 minutes
- e. Controlling agency FAA ARTCFC, Los Angeles Center
- f. Scheduling agency NAS Miramar
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace Four airways cross IR255: V432, V264, V442, and V135.
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 30
 - By Navy/USMC 22
 - By other services (including reserves and national guard) 8
- m. Percent of sorties cancelled due to weather. Unknown
- n. Number of available hours in FY 1993 Daylight hours
- o. Number of scheduled hours in FY 1993 56
 - By Navy/USMC 46
 - By other services (including reserves and national guard) 10
- p. Number of hours used 56
 - By Navy/USMC 46
 - By other services (including reserves and national guard) 10
- q. Types of training permitted Low level
- r. Is the training within this airspace affected by environmental issues? If so, how? None.

Airspace Designator: VR288

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) Sfc - 3,200; 5NM each side of centerline.
- c. Distance from main airfield 75NM
- d. Time enroute from main airfield 30 minutes
- e. Controlling agency None
- f. Scheduling agency March AFB
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace 0
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace 0
- l. Number of sorties flown in FY 1993 Unknown
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- m. Percent of sorties cancelled due to weather. unknown/
- n. Number of available hours in FY 1993 Continuous
- o. Number of scheduled hours in FY 1993 Unknown
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Number of hours used Unknown
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- q. Types of training permitted low level
- r. Is the training within this airspace affected by environmental issues? If so, how? None.

Airspace Designator: VR299

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) 300 AGL - 4,000; 5NM each side of centerline.
- c. Distance from main airfield 205 NM
- d. Time enroute from main airfield 50 minutes
- e. Controlling agency None
- f. Scheduling agency March AFB
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace Three airways cross VR299: V12, V16, and V137.
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not Available.
- m. Percent of sorties cancelled due to weather. Unknown
- n. Number of available hours in FY 1993 Continuous.
- o. Number of scheduled hours in FY 1993 Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Number of hours used Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- q. Types of training permitted Low level
- r. Is the training within this airspace affected by environmental issues? If so, how? An environmental survey was done for C141 only.

airspace Designator: VR1211

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) 300 AGL to 1,500 MSL; 5 NM each side of centerline.
- c. Distance from main airfield 90NM
- d. Time enroute from main airfield 30 minutes
- e. Controlling agency None
- f. Scheduling agency March AFB
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace None
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- m. Percent of sorties cancelled due to weather. unknown
- n. Number of available hours in FY 1993 Continuous
- o. Number of scheduled hours in FY 1993 Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Number of hours used Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- q. Types of training permitted Low level
- r. Is the training within this airspace affected by environmental issues? If so, how?
Environmental survey for C141 only.

Airspace Designator: VR1257

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MTR
- b. Dimensions (nmi. x nmi. x ft of altitude) 2 NM each side of centerline
- c. Distance from main airfield 320NM
- d. Time en route from main airfield 1+00
- e. Controlling agency None
- f. Scheduling agency NAS Lemoore
- g. Are canned/stereo airways needed to access air space? No. Three stereo routes are available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace One airway - V27
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- m. Percent of sorties cancelled due to weather. Approximately 10 percent
- n. Number of available hours in FY 1993 Daylight hours - approximately 5,000
- o. Number of scheduled hours in FY 1993 Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Number of hours used Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- q. Types of training permitted Low level
- r. Is the training within this airspace affected by environmental issues? If so, how? Points Quebec and Papa have restrictions due to hang gliding activity. There is a Monastery near Point Alpha.

13. List all the air-to-ground training ranges routinely used by aviation units or squadrons assigned to your air station. For each range, provide the following data:

Range Name: R-2507

- a. Location (city/county and state)
- b. Distance from main airfield 90NM
- c. Time enroute from main airfield 30 minutes
- d. Controlling agency FAA ARTCC, Los Angeles Center
- e. Scheduling agency MCAS Yuma
- f. Are canned/stereo airways needed to access air space? No. Three stereo routes are available/
 - If so, how many?
 - If so, what types (i.e., IFR, VFR, or altitude reservation)?
- g. Is the airspace under radar coverage? Yes
- h. Is the airspace under communications coverage? Yes
- i. Number of low level airways (below 18,000 ft) that bisect airspace None
- j. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- k. Number of sorties flown in FY 1993 R-2507S - 8,398; R-2507N - 8,386
 - By Navy/USMC R-2507S 5,857; R-2507N 6,905
 - By other services (including reserves and national guard) R-2507S - 2,541; R-2507N - 1,481.
- l. Percent of sorties cancelled due to weather. Approximately 10 percent.
- m. Number of available hours in FY 1993 R-2507S - 6,061.7; R-2507N - 6,097.4
- n. Number of scheduled hours in FY 1993 R-2507S - 3,457.7; R-2507N - 3,520.7
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- o. Number of hours used R-2507S - 2,335.3; R-2507N - 2,287.5
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Types of training permitted All except supersonic.
- q. Is the training within this airspace impeded by environmental issues? Unknown

Range Name: R-2510

- a. Location (city/county and state)
- b. Distance from main airfield 60 NM
- c. Time enroute from main airfield 15 minutes
- d. Controlling agency FAA ARTCC, Los Angeles Center
- e. Scheduling agency MCAS Yuma
- f. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IFR, VFR, or altitude reservation)?
- g. Is the airspace under radar coverage? Yes
- h. Is the airspace under communications coverage? Yes
- i. Number of low level airways (below 18,000 ft) that bisect airspace None
- j. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- k. Number of sorties flown in FY 1993 9,177
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- l. Percent of sorties cancelled due to weather. Approximately 10 percent.
- m. Number of available hours in FY 1993 7,183.3
- n. Number of scheduled hours in FY 1993 3,575.5
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- o. Number of hours used 1,394
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Types of training permitted Strike, NVG, ACM
- q. Is the training within this airspace impeded by environmental issues? Contact Controlling agency for details.

Range Name: R-2301

- a. Location (city/county and state)
- b. Distance from main airfield 135 NM
- c. Time enroute from main airfield 40 Minutes.
- d. Controlling agency FAA ARTCC, Los Angeles Center
- e. Scheduling agency MCAS Yuma
- f. Are canned/stereo airways needed to access air space? No. Five stereo routes are available.
 - If so, how many?
 - If so, what types (i.e., IFR, VFR, or altitude reservation)?
- g. Is the airspace under radar coverage? Yes
- h. Is the airspace under communications coverage? Yes
- i. Number of low level airways (below 18,000 ft) that bisect airspace None
- j. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- k. Number of sorties flown in FY 1993 10,538 (Air Operations)
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- l. Percent of sorties cancelled due to weather. Approximately 5 percent.
- m. Number of available hours in FY 1993 7,130.4
- n. Number of scheduled hours in FY 1993 3,653.4
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- o. Number of hours used 2,537.9
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Types of training permitted Tactical ordnance, ACM, in-flight refueling, SAR, paradrops, ECM
- q. Is the training within this airspace impeded by environmental issues? Contract scheduling agency for details.

Range Name: R2512

- a. Location (city/county and state)
- b. Distance from main airfield 95 NM
- c. Time enroute from main airfield 30 Minutes.
- d. Controlling agency FAA ARTCC, Los Angeles Center.
- e. Scheduling agency MCAS Yuma
- f. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IFR, VFR, or altitude reservation)?
- g. Is the airspace under radar coverage? Yes
- h. Is the airspace under communications coverage? Yes
- i. Number of low level airways (below 18,000 ft) that bisect airspace None
- j. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- k. Number of sorties flown in FY 1993 1,206
 - By Navy/USMC 964
 - By other services (including reserves and national guard) 242
- l. Percent of sorties cancelled due to weather. Approximately 10 percent.
- m. Number of available hours in FY 1993 7,875.6
- n. Number of scheduled hours in FY 1993 1,396.8
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- o. Number of hours used 791.8
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Types of training permitted Tactical ordnance, ACM, ECM, paradrops, NVG, deep air strikes.
- q. Is the training within this airspace impeded by environmental issues? Contact scheduling agency for details.

14. Is land and/or air encroachment an issue which endangers long term availability of any training areas? If so, provide details. No known encroachment issues.

15. Is the SUA/airspace for special use routinely used by aviation units or squadrons assigned to your air station sufficient to satisfy the air-to-air training, air-to-ground training and low level training missions of units assigned to the air station? Explain the nature and magnitude of any shortfalls.

The SUA/airspace used for routine training/exercises is sufficient to meet most local demands. The only deficiency is EW training.

8. Does the air station or its tenants have any requirements to support training of other Navy and Marine Corps forces or non-DON Joint forces (e.g., ground force training, battle group exercise, etc.)

Table 8.1 Forces Supported

Forces	Location / Distance	Type of Support	Frequency
Navy	110 NM	Aggressor support for battle group/carrier exercises.	6 times annually
All services	90 NM	Support for the Naval Fighter Weapons School	9 classes annually
Navy	110 NM	Fleet/Training Command Carrier Qualifications	8 times annually
Fleet Electronic Warfare Group		Training support at East Miramar	as required
1st Marine Amphibious Force		Marshalling and staging exercises	as required
Naval Amphibious School		Training support at East Miramar	as required
Naval Special Warfare Group 1		Training support at East Miramar	as required
EOD Mobile Unit 3		Demolition area in East Miramar	as required
63rd US Army Reserve Command		Training facilities of 129th, 7th Evacuation Hospital in East Miramar	as required
3rd Battalion, 185th Armor, California ANG		Training support at East Miramar	as required

Company C, 540th Maintenance Battalion, California ANG		Training support at East Miramar	as required
14th Combat Communication Squadron ANGS		Training support at East Miramar	as required
Marine Corps Reserve Training Center		Training support at East Miramar	as required
Naval Inshore Undersea Warfare Group 1		Training support at East Miramar	as required
6220th US Army Reserve School		Training support at East Miramar	as required

9.a. Does the air station have a role in a disaster assistance plan, search, and rescue or local evacuation plan? If so, describe.

1. NAS Miramar has been assigned as coordinator for disaster assistance to Federal, DOD, State, County, and local communities due to geographical location.

2. The Federal Emergency Management Agency (FEMA) has designated NAS Miramar as west coast point of embarkation/debarkation for the Federal Urban Search and Rescue Task Force Operations.

3. Local business, schools, hospitals, state and county agencies have NAS Miramar listed as the primary muster/evacuation site in the event of any Natural or Man-Made disaster requiring relocation of homeless and/or injured.

9.b. Does the air station provide any direct meteorological support to local civilian, governmental or military agencies? If so, describe.

The Naval Pacific Meteorology and Oceanography Detachment Miramar provides pre-flight/in-flight weather briefings to local and transient aircrew. Regional Weather Radar Facility located on NAS Miramar for use by the National Weather Service.

10.a. Does this air station currently have any special non-DoD or civilian support missions (i.e., counter-drug, scientific support)? If so, describe.

Federal Prisoner Transfer, B-727; ATLAS Booster Rocket transfer site, C-5; Space Shuttle divert field; electric gun testing.

10.b. If applicable, give the type and number of aircraft based at your air station that conduct these operations (10.a.) and the total number of sorties flown during FY 1993 in support of these operations. N/A

Table 10.1 Support Operations

Aircraft Type	Number of Aircraft	# Sorties Flown in FY 1993

10.c. If applicable, list the facilities, special equipment (e.g., radar surveillance systems) and personnel at your air station that directly support these operations. N/A

Table 10.2 Supporting Equipment

Equipment/Facility /Personnel	Function

11. Are any new civilian or other non-DoD missions planned for this air station? If so, describe.

None.

Facilities

Air Space and Flight Training Areas

12. List all areas for special use routinely used by aviation units or squadrons assigned to your air station. For each piece of airspace, provide the following data:

Airspace Designator: W-289

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) Warning Area
- b. Dimensions (nmi. x nmi. x ft of altitude) 165NM X 75NM, sfc - unlimited
- c. Distance from main airfield 110NM
- d. Time enroute from main airfield 20 minutes
- e. Controlling agency FAA ARTCC, Los Angeles Center
- f. Scheduling agency Commander, Naval Air Warfare Center Weapons Division, PT Mugu
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace None
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace LA ARTCC route C1318H
- l. Number of sorties flown in FY 1993 Data not available
 - By Navy/USMC
 - By other services (including reserves and national guard)
- m. Percent of sorties cancelled due to weather. 5 percent
- n. Number of available hours in FY 1993 8,088
- o. Number of scheduled hours in FY 1993 7,896
 - By Navy/USMC Data not available
 - By other services (including reserves and national guard) Data not available
- p. Number of hours used 3,754
 - By Navy/USMC Data not available
 - By other services (including reserves and national guard) Data not available
- q. Types of training permitted Numerous types of tactical/weapons training.
- r. Is the training within this airspace affected by environmental issues? If so, how? None

Airspace Designator: W-291

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) **Warning Area**
- b. Dimensions (nmi. x nmi. x ft of altitude) **206,000 sq mi, sfc - FL800**
- c. Distance from main airfield **25 NM to eastern boundary.**
- d. Time enroute from main airfield **5 minutes**
- e. Controlling agency **FACSFAC San Diego**
- f. Scheduling agency **FACSFAC San Diego**
- g. Are canned/stereo airways needed to access air space? **No. Five stereo routes are available.**
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? **Yes**
- i. Is the airspace under communications coverage? **Yes**
- j. Number of low level airways (below 18,000 ft) that bisect airspace **None**
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace **C1177, C1156**
- l. Number of sorties flown in FY 1993 **53,709**
 - By Navy/USMC **Data not available**
 - By other services (including reserves and national guard) **Data not available**
- m. Percent of sorties cancelled due to weather. **unknown**
- n. Number of available hours in FY 1993 **8,760**
- o. Number of scheduled hours in FY 1993 **Data not available**
 - By Navy/USMC **Data not available**
 - By other services (including reserves and national guard) **Data not available**
- p. Number of hours used **8,760**
 - By Navy/USMC **Data not available**
 - By other services (including reserves and national guard) **Data not available**
- q. Types of training permitted **Numerous tactical/weapons training**
- r. Is the training within this airspace affected by environmental issues? **If so, how? The area surrounding San Clemente has some environmental restrictions.**

Airspace Designator: R-2301 E/W

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR)
Restricted Area
- b. Dimensions (nmi. x nmi. x ft of altitude) 85NM X 70NM X 55 NM, sfc - FL800
- c. Distance from main airfield 135 NM
- d. Time enroute from main airfield 35 minutes
- e. Controlling agency R-2301E, FAA ARTCC Albuquerque; R-2301W, FAA ARTCC Los Angeles
- f. Scheduling agency R-2301E - Commander 58FW, Luke AFB; R-2301W - MCAS Yuma
- g. Are canned/stereo airways needed to access air space? No. Five stereo routes are available.
- If so, how many?
- If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace None
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 10,538 air operations.
- By Navy/USMC Data not available.
- By other services (including reserves and national guard) Data not available.
- m. Percent of sorties cancelled due to weather. Approximately 5 percent.
- n. Number of available hours in FY 1993 7,130.7
- o. Number of scheduled hours in FY 1993 3,653.4
- By Navy/USMC Data not available.
- By other services (including reserves and national guard) Data not available.
- p. Number of hours used 2,537.9
- By Navy/USMC Data not available.
- By other services (including reserves and national guard) Data not available.
- q. Types of training permitted Tactical ordnance, air intercept, aerial refueling, SAR, paradrops, ECM, EVM, photography
- r. Is the training within this airspace affected by environmental issues? If so, how?
Unknown.

Airspace Designator: R-2507 N/S

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR)
Restricted Area
- b. Dimensions (nmi. x nmi. x ft of altitude) 50NM X 15 NM, sfc - FL400
- c. Distance from main airfield 90NM
- d. Time enroute from main airfield 30 minutes
- e. Controlling agency FAA Los Angeles ARTCC
- f. Scheduling agency MCAS Yuma
- g. Are canned/stereo airways needed to access air space? No. There are three stereo routes available.
- If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace None
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993
- By Navy/USMC R-2507S 5,857; R-2507N 6,905
 - By other services (including reserves and national guard) R-2507S 2,541; R-2507N 1,481
- m. Percent of sorties cancelled due to weather. 10 percent
- n. Number of available hours in FY 1993 R-2507S 6,061.7; R-2507N 6,097.4
- o. Number of scheduled hours in FY 1993 R-2507S 3,457.7; R-2507N 3,520.7
- By Navy/USMC Data not available
 - By other services (including reserves and national guard) Data not available
- p. Number of hours used R-2507S 2,335.3; R-2507N 2,287.5
- By Navy/USMC Data not available
 - By other services (including reserves and national guard) Data not available
- q. Types of training permitted All except supersonic
- r. Is the training within this airspace affected by environmental issues? If so, how?
Unknown.

Airspace Designator: R-2508

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR)
Restricted Area
- b. Dimensions (nmi. x nmi. x ft of altitude) 110NM X 140 NM; FL200 - unlimited
- c. Distance from main airfield 125 NM
- d. Time enroute from main airfield 30 minutes
- e. Controlling agency FAA, Hi-Desert TRACON, Edwards AFB
- f. Scheduling agency Director, Central Coordinating Facility, Edwards AFB
- g. Are canned/stereo airways needed to access air space? No. There are two stereo routes available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace None
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace One - J110
- l. Number of sorties flown in FY 1993 Approximately 55,000 (all services)
 - By Navy/USMC Data not available
 - By other services (including reserves and national guard) Data not available
- m. Percent of sorties cancelled due to weather. less than 5 percent
- n. Number of available hours in FY 1993 continuous
- o. Number of scheduled hours in FY 1993 Approximately 8,040 (all services)
 - By Navy/USMC Data not available
 - By other services (including reserves and national guard) Data not available.
- p. Number of hours used Approximately 2,728 (all services)
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- q. Types of training permitted Contact scheduling agency for details.
- r. Is the training within this airspace affected by environmental issues? If so, how? Yes.
Contact scheduling agency for details.

Airspace Designator: R-2510 A/B

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR)
Restricted Area.
- b. Dimensions (nmi. x nmi. x ft of altitude) 15NM X 15 NM, FL200 - FL500
- c. Distance from main airfield 60 NM
- d. Time enroute from main airfield 15 minutes.
- e. Controlling agency FAA ARTCC, Los Angeles Center
- f. Scheduling agency MCAS Yuma
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace None
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 9,177
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- m. Percent of sorties cancelled due to weather. 10 percent
- n. Number of available hours in FY 1993 7,183.3
- o. Number of scheduled hours in FY 1993 3,575.5
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Number of hours used 1,394
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- q. Types of training permitted Strike, NVG, ACM
- r. Is the training within this airspace affected by environmental issues? If so, how? Yes.
Contact the scheduling agency for details.

Airspace Designator: R-2512

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR)
Restricted Area
- b. Dimensions (nmi. x nmi. x ft of altitude) 15NM X 10NM triangle, sfc - FL230
- c. Distance from main airfield 95 NM
- d. Time enroute from main airfield 20 minutes
- e. Controlling agency FAA ARTCC, Los Angeles Center
- f. Scheduling agency MCAS Yuma
- g. Are canned/stereo airways needed to access air space? No. One stereo route is available.
- If so, how many?
- If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace None
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace None
- l. Number of sorties flown in FY 1993 1,206
- By Navy/USMC 964
- By other services (including reserves and national guard) 242
- m. Percent of sorties cancelled due to weather. approximately 10 percent.
- n. Number of available hours in FY 1993 7,875.6
- o. Number of scheduled hours in FY 1993 1,396.8
- By Navy/USMC Data not available.
- By other services (including reserves and national guard) Data not available.
- p. Number of hours used 791.8
- By Navy/USMC Data not available.
- By other services (including reserves and national guard) Data not available.
- q. Types of training permitted Strafing, bombing, AGR, LLLB, ACM, Fam flights, paradrops, NVG, LAT, EVM, aero observation, deep air strikes.
- r. Is the training within this airspace affected by environmental issues? If so, how? Yes.
Contact scheduling agency for details.

Airspace Designator: Quail MOA

- a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) MOA
- b. Dimensions (nmi. x nmi. x ft of altitude) 55NM X 32NM, 10,000 - FL220
- c. Distance from main airfield 120NM
- d. Time enroute from main airfield 40 minutes
- e. Controlling agency FAA ARTCC, Los Angeles Center
- f. Scheduling agency MCAS Yuma
- g. Are canned/stereo airways needed to access air space? No. No stereo routes are available.
 - If so, how many?
 - If so, what types (i.e., IMC, VMC, or altitude reservation)?
- h. Is the airspace under radar coverage? Yes
- i. Is the airspace under communications coverage? Yes
- j. Number of low level airways (below 18,000 ft) that bisect airspace One - V135
- k. Number of high altitude airways (above 18,000 ft) that bisect airspace One - J212
- l. Number of sorties flown in FY 1993 Data not available
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- m. Percent of sorties cancelled due to weather. Unknown
- n. Number of available hours in FY 1993 8,342
- o. Number of scheduled hours in FY 1993 418
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- p. Number of hours used Data not available.
 - By Navy/USMC Data not available.
 - By other services (including reserves and national guard) Data not available.
- q. Types of training permitted ACM, aerial refueling, air intercepts, all weather flight training.
- r. Is the training within this airspace affected by environmental issues? If so, how?
Unknown

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

MajGen P. D. WILLIAMS
NAME (Please type or print)



Signature

Commander
Title

16 Jun 94

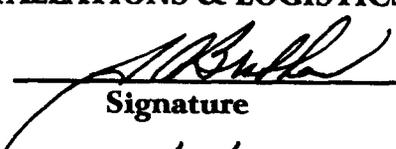
Date

Marine Corps Air Bases, Western Area
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. A. BRABHAM
LIEUTENANT GENERAL U.S. MARINE CORPS
NAME (Please type or print)
DEPUTY CHIEF OF STAFF FOR
INSTALLATIONS AND LOGISTICS



Signature

Title

7/29/94

Date

BRAC-95 CERTIFICATION

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

Col R. P. EICHORN
NAME (Please type or print)

Deputy Assistant Chief of Staff
Title



Signature

16 JUN 94

Date

Base Realignment and Closure
Department

Marine Corps Air Bases, Western Area
Activity

Enclosure (1)

Mission Requirements

1. List the types and number of transient aircraft/detachments supported at this air station during FY 93 and describe the training and/or military missions conducted by these aircraft while stationed here. If supporting transient aircraft/detachments is a major mission, attach detailed schedules for the 1st & 2nd quarters FY 94.

Table 1.1 Transient Aircraft

Types of Aircraft/Unit. Name/T/M/S	Description of Frequency, Quantity and Primary Mission
VA-122 4/F-18	3-4 times annually. Adversary training, battle group exercises, weapons training.
CNATRA 24/A4	1-2 times annually. CNATRA CQ.
CNATRA 24/T2	1-2 times annually. CNATRA CQ.
NFWS 16/F18	4 times annually. ACM/weapons training.
PAX River E-2	4 times annually. Battle group/carrier exercises.
ANG F-16	annually. Adversary training, weapons training.
VMFAT101 12/F18	2 times annually. Weapons training.
61FS 8/F-16	2 times annually. Adversary/ACM training.
62FS 8/F-16	2 times annually. Adversary/ACM training.
63FS 8/F-16	2 times annually. Adversary/ACM training.
VA128 5/A-6	4 times annually. FRS CQ
VAQ129 6/EA6B	4 times annually. FRS CQ
VF202 8/F-14	2 times annually. Adversary/weapons training.
VF201 6/F-14	2 times annually. Adversary/weapons training.
VAQ309 6/EA6B	4-5 times annually. Battle group/carrier exercises.
VA304 6/A6	4-5 times annually. Battle group/carrier exercises.
VFA303 6/F18	4-5 times annually. Battle group/carrier exercises.

VAW78 2/E2	2 times annually. Battle group/carrier exercises.
VAQ139 4/EA6B	3 times annually.
Canada 416 6/F18	annually. Adversary/weapons/ACM training
VAQ131 4/EA6B	annually. Battle group/carrier exercises.
425FS	annually. Adversary training.
VP66 P3	3-4 times annually. Battle group/carrier exercises.
VFA137 6/F18	annually. Battle group/carrier exercises.

Data for Military Value Analysis

Mission Requirements.	2
Support of transient aircraft.	2
Training ranges, outlying & auxiliary fields & airspace.	4
General Military Support	6
Other units.	8
Other support requirements12
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Airspace & flight training areas17
Airfields.44
Base infrastructure & improvement.45
Personnel Support facilities48
Training facilities.50
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Location.61
Features and Capabilities67
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Expansion.72
Reserve demographic level.74
Quality of life75

2.a. List the training ranges (including land areas used for tactical or infantry training), outlying airfields, auxiliary airfields and airspace that are actively managed (scheduled or controlled) by the air station.

Refer to capacity data call (dc 16) item 12b for UIC N60259 and item 13a.

Table 2.1 Training Management

Managed Training Assets	Management Role

2.b. List other candidate installations (DoD and non-DoD) that could be considered for performing these management duties.

Table 2.2 Other Installations

Installation	Agency	Reason for Consideration
Camp Pendleton	Marines	Use of existing rifle and pistol ranges.
Camp Pendleton	Marines	Use of tactical areas
North Island	Navy	Use of airfield
Imperial Beach	Navy	Use of landing field
Barstow	Marines	Use of tactical areas
El Centro	Navy	Use of airfield

March	Air Force	Use of airfield
29 Palms	Marines	Use of airfield and tactical areas
Montgomery	Civilian	Use of airfield
Brown	Civilian	Use of airfield
Lindbergh	Civilian	Use of airfield
Yuma	Marines	Use of airfield

General Military Support

3.a. Does this air station directly support a military or civilian area control and surveillance mission (i.e., FACSFAC, FAA support)? If so, provide details of your level of support.

Yes. FAA Approach Control Facility. Southwest Region Facility located on NAS Miramar property. The ASR-9 radar is located on NAS Miramar.

3.b. Over the foreseeable future, is this mission requirement expected to decrease, increase, or remain the same?

Mission requirements at Miramar are expected to increase significantly when the Marine Corps replaces the current Navy tenants. The mission requirements will roughly equate to those currently at MCAS El Toro and MCAS Tustin.

3.c. List all other installations (DoD and Non-DoD) that could potentially support this mission.

None.

4.a. Describe the role this air station plays in the Logistics Support and Mobilization Plan (LSMP)?

NAS Miramar provides airfield facilities for the staging/packing/loading/departure of aircraft used in the mobilization plan. Support is for Navy, U.S. Marine Corps and U.S. Air Force assets.

4.b. Over the foreseeable future, is this mission requirement expected to decrease, increase, or remain the same?

Expected to increase. The reason for the increase is the basing of Marine Corps squadrons, both fixed and rotary wing, at NAS Miramar. The largest increase can be attributed to the increase in personnel when the airfield is transferred to the Marine Corps. Miramar will see increased usage during strategic mobilization, deployment, and as a logistics support platform, particularly in the event of major contingency operations.

4.c. List all other installations (DoD and Non-DoD) that could potentially support this mission.

Lindbergh Field, San Diego, Ca; NAS North Island; NAF El Centro, MCAS Yuma, March AFB, MCAS El Toro (until closure).

5. List any other military support missions currently conducted at/from this air station (i.e., port of embarkation for USMC personnel).

Port of embarkation for National Guard troops.
Space Shuttle divert field; disaster response airfield; federal prisoner transfer point; and General Dynamics support for the shipment of the ATLAS Booster rocket.

6. Are any new military missions planned for this air station?

Rotary wing operations will be introduced to NAS Miramar; port of embarkation for USMC troops. MCAS Miramar will be a major training platform for two FRS squadrons.

7.a. List all ground combat or special operations units (not previously mentioned in your Capacity Data Call)that train at, operate from, or mobilize to this air station.

Table 7.1 Ground Combat or Special Operations Units

Ground Unit	Training Function / Facilities Used
None.	

7.b. List all other operational units (not previously mentioned in your Capacity Data Call) that train at, operate from, or mobilize to this air station.

Table 7.2 Other Units

Operational Unit	Training Function / Facilities Used
None	

7.c. List all Joint (non-DON) units (not previously mentioned in your Capacity Data Call) that train at, operate from, or mobilize to this air station.

Table 7.3 Joint Units

Operational Unit	Training Function / Facilities Used
U.S. Army Medical Department	Veterinary Clinic/M248
FAA	RATCC Center/K211
California Air National Guard	Applied Instructor, Auto Vehicle Maintenance Noncom. Bldgs 1 and 2.
MCRTC - Fourth Tank Battalion	Reserve/E-14, 1300, 1301
NCMRC	Reserve Training/1300, 1301
2nd Battalion, 185th Armor, California	Training/East Miramar Training Area
Company "C" 540th Maintenance Battalion, California Army National Guard	Training/East Miramar Training Area
U.S. Army Reserve Units - 316th QM Corps	Training/East Miramar Training Area
U.S. Army Reserve Units - 129th Hospital Evacuation	Training/East Miramar Training Area

U.S. Army Reserve Units - 12th Special Forces Group	Training/East Miramar Training Area
U.S. Army Reserve Units - 6220th Reserve Unit	Training/East Miramar Training Area
U.S. Army Reserve Units - 7th Infantry Division Evacuation Hospital	Training/East Miramar Training Area
1st Marine Expeditionary Force (Camp Pendleton)	Training/East Miramar Training Area
U.S. Army Corps of Engineers Los Angeles District	Ordnance Removal/East Miramar

16. If deployments or detachments to other domestic locations are required to satisfy airspace shortfalls, fill out the following tables:

Table 16.1 Deployment Costs

WHERE	REASON	ANNUAL TAD COSTS ADVERSE WEATHER	ANNUAL TAD COSTS AIRSPACE NOT AVAILABLE	ANNUAL TAD COSTS NO LOCAL RANGE/ OTHER
NAS Fallon	EW range			\$0 *

* NAS Miramar squadrons det to NAS Fallon for Airwing training. TAD not required to support EW requirement.

Airfields

17. For the main airfield(s) and each auxiliary and outlying field, provide the following data

Airfield Name: NAS Miramar/Mitscher Field

- a. Location: San Diego, California
- b. Distance from main field:
- c. Does the airfield have more than one runway complex that can conduct independent (i.e., concurrent) flight operations? No
- d. Does the airfield have parallel or dual offset runways? Yes
- e. If the airfield has parallel or dual offset runways, do they permit dual IFR flight operations? Centerline separation is not sufficient to conduct simultaneous IFR flight operations.
- e. Does the airfield have full-length parallel taxiways? Yes
- f. Does the airfield have high speed taxiways? The parallel taxiway is considered a high speed taxiway. High speed turn offs from the runway are not available.
- g. Does the airfield have a crosswind runway? No. Runway 28 is an emergency arrestment or helicopter runway. Lack of crosswind runway has little to no effect on operation.
- h. If conditions force the use of this runway, does the airfield lose flight ops capacity?
- i. How much capacity is lost?
- j. What percent of the time do conditions force the crosswind runway to be used?
- k. Is the airfield equipped to support IFR flight operations? Yes
- l. Is the airfield owned by the navy or leased? Owned
- m. Discuss any runway design features that are specific to particular types of aircraft (e.g., are the airfield facilities designed primarily for helo, prop. or jet train aircraft). The airfield is designed to support jet aircraft. As such, the runways can support all types of military aircraft.
- n. Does the air station perimeter road completely encircle the airfield? Yes
- o. Is the air station perimeter road 100% paved? If not estimate the percentage paved. Yes
- p. Does the perimeter fence completely enclose the operational areas of the air station? If not, explain why. Yes
- q. Is lack of fencing a security discrepancy? No
- r. Other remarks.

18. Are the current airfield descriptions, operations and facilities consistent with the flight information publication (FLIP)? Attach a copy of the latest FLIP chart annotated with any updates.

Yes

Facilities
Base Infrastructure and Investment

19. List the project number, description, funding year, and value of the **capital improvements at your base completed (beneficial occupancy) during 1988 to 1994**. Indicate if the capital improvement is a result of BRAC realignments or closures.

Table 19.1 Capital Improvement Expenditure

Project Number	Description	Fund Year	Value \$M
P-179	BEQ (156 PN)	1988	8.2
P-311	Operational Flight Training Facility	1989	4.7
P-297	Hangar #6 Addition	1988	3.8
P-350	Consolidated Automated Support Services (CASS)	1991	.9
P-353	Fire Fighting Training Facility	1990	.7
P-346/ P811	TOPGUN and Weapons Training Facility	1991	3.6
P-254	Tactical Air Combat Training System (TACTS)	1991	.9
P-270	Fixed A/C Start System @ Hangar #5	1992	1.5
P-293	Child Development Center	1992	1.9

None of the above projects are BRAC related.

20.a. List the project number, description, funding year, and value of the **non-BRAC related capital improvements** planned for years 1995 through 1997.

Table 20.1 Planned Capital improvements

Project Number	Description	Fund Year	Value \$M
P-040	Additional Jet Fuel Storage(95)		10.3
P-351	BEQ/Mess Hall Modernization(95)		6.3
P-356	CAEWWS Training Facility(96)		1.6
P-354	BEQ "C" Wing(96)		3.0
P-308	Oily Waste Water System(97)		1.4
P-359	Utility Control System(97)		1.1

Note: Fiscal years shown were pre-BRAC programmed. Subsequent to the BRAC 93 decision, none of the above projects are currently planned for funding.

20.b. List the project number, description, funding year, and value of the **BRAC related capital improvements planned/programmed** for 1995 through 1999.

Table 20.2 Planned Capital improvements

Project Number	Description	Fund Year	Value \$M
P-001T	Airfield Pavement Aprons	1996	43.56
P-002T	BEQ's	1996	102.1
P-003T	Admin and Training	1996	18.71
P-005T	Community Support/Dining	1997	22.2
P-006T	Aircraft Maintenance Complex	1996	62.09
P-007T	Storage Facilities	1997	10.53
P-008T	Operational Support Complex	1996	15.32
P-009T	Utilities Improvements	1996	24.2
P-010T	Maintenance Facilities	1996	23.51
P-011T	Storage Facilities	1998	38.09
P-012T	Tactical Van Pads	1997	15.5
P-014T	Bachelor Enlisted Quarters (unfunded)	1996	31.6

Personnel Support Facilities

21. Administrative Spaces

21.a. In the following table, indicate the available space (SF), individual work station (PN), and condition for each facility designated or used for administrative purposes.

Table 21.1 Administrative Support Spaces

Building Type	NAVF AC (P- 80) category code	Adequate		Substandard		Inadequate		Total	
		SF	PN	SF	PN	SF	P N	SF	PN
Administrative office	610-10	231,905	N/A	28,294	N/A	9,055	N/A	269,254	N/A
ADP installations	610-20	5731	N/A	0	N/A	0	N/A	5731	N/A
Legal services	610-40	0	N/A	0	0	0	0	0	N/A
Admin storage	610-77	0	N/A	14,672	N/A	0	N/A	14,672	N/A
Underground administrative office	620-10	0	N/A	0	N/A	0	N/A	0	N/A
Underground ADP installation	620-20	0	N/A	0	N/A	0	N/A	0	N/A
Underground admin storage	620-77	0	N/A	0	N/A	0	N/A	0	N/A
Other	620-7X	0	N/A	0	N/A	0	N/A	0	N/A

21.b. For all facilities that were classified as inadequate in the preceding table, identify the type of facility and describe why the facility is inadequate; indicate how the facility is being used and list other possible uses; and specify the costs to remove the deficiencies that make it inadequate (do not be concerned with the economic justification for these costs). Indicate current plans to remove these deficiencies and the amount of any programmed funds. Does the deficiency result in a C3 or C4 designation on your baserep?

The following facilities under Category Code 610-10 are inadequate according to the respective Deficiency Codes, and portions of the facilities are used for administrative offices. No engineering evaluation has been done to change the use or replace them. There are no

current plans or projects to remove deficiencies. For deficiency codes refer to NAVFACINST 11010.44E.

Inadequate Bldgs	Deficiency Code	Repair Cost	Base Rep Designation
K223-Ops pool/office	D30	32K	C3
M295-BEQ	A30	217K	C3
M312-BOQ	F30,C45	100K	C3

22. Describe any administrative support facility limitations. Describe the potential for expansion of the services that administrative support facilities provide.

Without modifications to current floor plan configurations, or additions to buildings, expansion of services provided by administrative support facilities would be limited to operational procedures only.

All administrative support facilities have the potential for expanding their floor plan square footage up to 75% of current area. This would be accomplished by constructing additions to the building or modifying/converting other use areas (category codes) of a building to administrative space.

Admin support facilities are insufficient in quantity to support additional 610-70/71/72 requirements for the Marine Corps. Marine Corps use of existing admin as proposed is efficient. Additional admin requirement 610-70/71/72 must be provided by conversion of excess 171-20 applied instruction and 171-35 operational trainer facility.

23.a. List all specialized training facilities/simulators that are located at or near the air station.

Table 23.1 Specialized Training Facilities/Simulators Onboard/In Vicinity

Type	Purpose and Availability Elsewhere
F-14A	Located on Station for F-14A Training/NAS Oceana
F-14D	Located on station for F-14D training/None elsewhere
E-2	Located on Station for E-2 Training/NAS Norfolk

23.b. List other facilities/simulators not available locally that would assist the training mission.

Table 23.2 Facilities/Simulators Desired

Type	Training Function	Location
None		

24.a. Is there is a NADEP located at the air station?

No, however, NADEP North Island is located within 20 miles of this air station.

24.b. Does the NADEP provide any direct support/benefit to the installation's intermediate maintenance mission?

NADEP North Island provides, on a daily basis, major direct support to this air station and the intermediate level maintenance mission. Customer Service, Concurrent Rework, ongoing Engineering Analysis, Depot Field Repair Teams, Calibration Services and Bearing Refurbishment are a few of the major areas in which NADEP North Island directly supports the maintenance mission of AIMD Miramar.

CUSTOMER SERVICE: For the past 24 months, this one program has grown from less than 10 components to over 500, annually saving over \$1M in Aviation Depot Level Repairables (AVDLR) funds each fiscal year.

CONCURRENT REWORK: In an effort to save additional rework dollars, AIMD Miramar recently established a Memorandum of Agreement (MOA), enclosure (1), with NADEP North Island in which 150 E-2C aircraft components, previously repaired as concurrent rework, will be repaired at the "I" level vice the depot, thereby saving over \$800K in comparable repair costs as well as increasing the availability of those components and bit/piece parts.

ENGINEERING ANALYSIS: Routinely AIMD "calls" upon NADEP to provide damage analysis on parts received from tenant squadrons and other supported activities. This vital service determines the extent of the damage, estimates the cost of repair and provides maintenance managers with the information necessary to ascertain the most efficient repair process.

DEPOT REPAIR TEAM: Planners and Estimators (P&E) services are conducted frequently for both the squadron and intermediate level maintenance to ultimately repair aircraft and components beyond the activities capability. A small group of highly talented NADEP North Island employees are onboard the air station to provide this service. Aircraft modifications, in service repair, as well as normal depot level repair are their main tasking and obviously utilized DAILY as evidenced by the onsite office established by NADEP. This effort reduces aircraft downtime, increase readiness and minimizes the overall cost for depot repairs.

CALIBRATION SERVICES: The Type III Cal Lab at NADEP North Island continues to provide valuable and mission critical cal services to Miramar each quarter. Our jet engine test cells, aircraft hush houses, LOX and nitrogen plants and standards within our AIMD Cal

Lab are examples of their products which require NADEP Lab services and talent. Without calibration, we could **not** issue any equipment as RFI (ready for issue).

BEARING/COMPONENTS: The Bearing Shop, along with the Components Shop, are probably the two areas that the "I" level maintenance mission cannot do without. Both of these services have a **direct** impact to the air station. Aircraft bearings cannot be refurbished or manufactured at the "I" level and the dynamic operating nature of various aircraft components require that they be supported by NADEP. Components make up approximately 20 percent of the entire NADEP workload.

25.a. What ship maintenance facilities are located at the air station?

Table 25.1 Ship Maintenance Facilities

Ship Maintenance Facility	Major Capabilities
NONE	

25.b. What other maintenance facilities do ships homeported/berthed at the air station use on a regular basis?

Table 25.2 Other Ship Maintenance Facilities

Maintenance Activity	Type of Support	Location
	NONE	

Regional Maintenance Concept

26. Has your AIMD been identified to be a part of the Navy's Regional Maintenance concept? If so, provide the details as currently known and what other DON industrial activities (both intermediate and depot level) are located within a 25 mile range of your activity?

Yes, AIMD Miramar has been identified as a player in the Regional Maintenance Concept. Since late 1991, AIMD Miramar has been a leader in the San Diego Regional Interoperability Program, the initial phase of today's RMC. AIMD Miramar along with representatives from AIMD North Island, SIMA, San Diego RSG, numerous surface ships, tenders, and the 32nd St shipyard have made great strides in the "one Navy maintenance concept"...the rationale of RMC. From this initial interoperability program has evolved a San Diego Regional Port Services Directory listing all activities and their respective maintenance capabilities; a "Start-up" guide to facilitate other regional areas to develop their area program; a joint TYCOM instruction stating the responsibilities and procedures for each major TYCOM (AIR-SURF-SUB). Cross-training between air station and the surface and/or sub Navy is commonplace. Over \$480K have been saved via this program by having existing Navy maintenance facilities and sailors "do" the work versus contracting within the civilian community. Concurrent with the cost-avoidance is the mission-critical training our sailors are receiving by the cross-TYCOM scenario and the value it will reap during subsequent battle group deployments. A new and developing aspect which the RMC concept will embrace is the Reverse Engineering/HAZMAT Program. Many benefits and dollar savings lay ahead waiting to be captured and recycled back into the manufacturing process. Our local POC for RMC is CDR John Shive, SURFPAC N435, (619) 437-2545. SepCor available upon request.

Other DON industrial activities within the 25 mile radius are:

- *AIMD North Island
- *NADEP North Island
- *SIMA
- *RSG
- *Subbase Pt Loma
- *Camp Pendleton (limited "I" level)
- *CV-64/63
- *Numerous repair ships at 32nd St Shipyard
- *USS DIXON/MCKEE (sub tenders...repair ships)
- *ACU-5 (limited "I" level)

Special Military Facilities

27. List all facilities at or near the air station that have a special role in military operations (ASWOCs, oceanographic facilities, etc.) of the aircraft or ships based at the installation.

Table 27.1 Special Military Facilities

Type of Facility	Operational Mission of Facility
SPN-42A	Provide Precision Approach guidance to Naval/Marine aircraft in preparation for deployment. Equipment is similar to shipboard equipment.
Naval Pacific Meteorology and Oceanography Detachment	Provide weather forecasting for proposed flights and provide in-flight weather briefings.
TRN-28	Provide Precision Approach monitoring for aircraft conducting approaches using the SPN-42A in preparation for deployment. Equipment is similar to shipboard equipment.
San Diego TRACON	FAA Facility providing air traffic control services, using an ASR-9 radar positioned on NAS Miramar, to all aircraft in the San Diego area including NAS Miramar, NAS North Island, Lindburgh Field, Montgomery Field, Gillespie Field, Brown Field and others.
TACTS	Tactical Aircrew Combat Training

Non-DON Facility Support Arrangements

28. List all inter-service arrangements (e.g., inter-service support agreements) that involve supporting military (non-DON) activities at the air station.

Table 28.1 Non-DON Support

Activity Name / Military Service	Description of Activity Role and Degree of Support
Marine Corps Reserve Training Center	Training - East Miramar
Marine Corps Recruit Depot	Training - East Miramar
63RD U. S. Army Reserve Command	Training Fac. 129th Evac Hospital
HDQTS, 7TH INFANTRY DIV, FT ORD	Lunch support for reserves
ARMY ROTC	Training - East Miramar
Dept of Army 1st Phyc Ops Company	Mobilization Assembly Area
6220th US Army Reserve School	Training - East Miramar
California Army National Guard	Training - East Miramar
U.S. Army Med Det - Ft Irwin	Food Inspections/Vet Services
Defense Commissary Agency	Commissary Services
Dimensions International	Manage Navy Owned Spares/Repair Parts
Defense Logistics Agency	Own Station Fuel
San Diego Air Natl Guard	Tactical Communications
American Red Cross	Red Cross Services
Martin-Marietta	Maintain Spt F-14D Detection Systems
Allison Gas Turbine Div of G.E.	T56-A-427 Engine Support
General Electric (Kansas)	F-110-GE-400 Engine Project
Martin Baker	Common Ejection Seat

Lockheed	F-16N Support
Grumman Aircraft	F-14D Electronic Repair
Army National Guard	Training - East Miramar

29. List all formal support agreements and other arrangements that involve supporting other governmental agencies (federal, state, local or international) or civilian activities at the air station.

Table 29.1 Other Agencies

Activity / Sponsor / Government Affiliation	Description of Activity Role and Support Level
San Diego County Sheriff	Training - Land
U. S. Customs Service	IMA Repair of E2C Radar
USD (East Miramar)	Cultural Studies - Land
FAA Western Region	Air Traffic Control - Land
Pacific Telephone & Telegraph	Easements
Union Bank	Banking Services
Miramar Federal Credit Union	Land
Navy Wives Club Office	Building
Natural History Museum (East Miramar)	Research
Hospitality Inn	Land
Grumman Aerospace	Aircraft Support - Land
General Electric	Shops

<u>San Diego City Landfill</u>	<u>Refuse Disposal - Land</u>
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American Red Cross	Red Cross Services
General Dynamics	Easement
U.S. Forest Service	Office & Vehicle Maintenance - Land and Bldg
Tony Oakley	Beekeeper - Land
UCSD	Laser Research - Land
SDSU	Research - Land
FBI	Warehouse Space
UCSD	Storage Containers - Land
Sim J. Harris	Aggregate Extraction - Land
Miramar Gun Club	Trap/Skeet Shooting Ranges-Land
South Illinois Univ	Office
National University	Office
San Diego Community College	Training Installation Heavy Rescue Fire - Bldg & Land
McDonalds	Restaurant - Land
Defense Nuclear Agency	Research - Bldg & Land/High Explosive Testing
U.S. Post Office	Bldg
<u>Hickman Athletic Assn</u>	<u>Land</u>
<u>U.S. Weather Service</u>	<u>Radar Weather Service - Land</u>
<u>SATO</u>	<u>Travel - Land</u>
<u>City of San Diego</u>	<u>Aggregate Extraction & Landfill - Easement</u>
<u>Miramar Wholesale</u>	<u>Agricultural Outlease - Land</u>
<u>County of San Diego</u>	<u>Water Authority - Land</u>
<u>County of San Diego</u>	<u>Landfill & Aggregate Extraction - Land</u>
<u>SD&E</u>	<u>Easement - Land</u>

LOCATION

Proximity to Operational Mission Areas

30.a. Describe the areas where aircraft based at this air station routinely conduct operational missions (vice training missions). Include details on the distance from the air station, average transit times and average length of time the aircraft spend in the operating areas.

Operational missions are conducted: In the Southern California Operating Area which includes SUA W-291, W-289, and W-290. Average distance to the mission area is approximately 110 NM with a transit time from 5 to 20 minutes. Average time spent in the operating area is 1.5 hours with longer times experienced when conducting missions with a carrier and refueling tankers. Additional airspace south of W-291 is used for counter-narcotics flights. Average distance to the mission area is approximately 110 NM with a transit time of 30 minutes. Average time spent in the operating area is 2 hours. WestPac operating areas, time varies, time deployed - average 6 months. SouthPac operating areas, time varies, time deployed - average 1 month.

30.b. Does the location of the air station permit any specialized training with other operational units (i.e. Battle Groups or Joint forces)? If so, provide details.

The close proximity of NAS Miramar to the Southern California Operating Areas allow aircraft flying from Miramar to participate/support extensive Battle Group/Joint Forces/Carrier Exercises. Deploying BG's conduct the vast majority of pre-deployment training in the SOCAL OPAREAS. All West Coast CQ is conducted in SOCAL OPAREA.

30.c. Do squadrons routinely have to deploy to conduct carrier qualifications or other required training?

No. Other squadrons deploy here to conduct carrier qualifications due to the close proximity of the operating area.

Proximity to other support facilities

31.a. List all primary airfields in the local flying area that are available for training and emergency uses.

Table 31.1 Local Airfields

<u>Airfield Name</u>	<u>Major Use / Capability</u>	<u>Location / Distance</u>
<u>NAS North Island</u>	<u>Naval Air Station</u>	<u>SW/12 Miles</u>
<u>NAS El Centro</u>	<u>Naval Air Facility</u>	<u>E/75 Miles</u>
<u>NAS Lemoore</u>	<u>Naval Air Station</u>	<u>NW/250 Miles</u>
<u>NCAS Camp Pendleton</u>	<u>Marine Corps Air Station</u>	<u>NW/30 Miles</u>
<u>MCAS Twenty Nine Palms</u>	<u>Marine Corps Air Station</u>	<u>NE/100 Miles</u>
<u>MCAS El Toro</u>	<u>Marine Corps Air Station</u>	<u>NW/58 Miles</u>
<u>Vandenberg AFB</u>	<u>Air Force Base</u>	<u>NW/200 Miles</u>
<u>March AFB</u>	<u>Air Force Base</u>	<u>NW/62 Miles</u>
<u>NAWS China Lake</u>	<u>Naval Air Weapons Station</u>	<u>N/170 Miles</u>
<u>Nellis AFB</u>	<u>Air Force Base</u>	<u>NE/230 Miles</u>
<u>OLF San Nichols Island</u>	<u>Naval Outlying Landing Field</u>	<u>NW/120 Miles</u>
<u>NALF San Clemente Island</u>	<u>Naval Auxiliary Landing Field</u>	<u>NW/75 Miles</u>
<u>Luke AFB</u>	<u>Air Force Base</u>	<u>NE/245 Miles</u>

<u>Williams AFB</u>	<u>Air Force Base</u>	<u>E/280 Miles</u>
<u>Lindbergh Field</u>	<u>San Diego International Airport</u>	<u>SW/8 Miles</u>
<u>MCAS Yuma</u>	<u>Marine Corps Air Station</u>	<u>E/134 Miles</u>
<u>Edwards AFB</u>	<u>Air Force Base</u>	<u>NW/130 Miles</u>

31.b. What other military facilities located in the vicinity are/could be used to support the air station's and tenants' mission?

Table 31.2 Other Military Facilities

<u>Military Facility Name</u>	<u>Actual / Proposed Use</u>	<u>Distance</u>
<u>NAS North Island</u>	<u>Naval Air Station/Airfield</u>	<u>20 Miles</u>
<u>OLF Imperial Beach</u>	<u>Naval Airfield/ Helo</u>	<u>35 Miles</u>
<u>March AFB</u>	<u>Air Force/ Airfield</u>	<u>75 Miles</u>
<u>NALF San Clemente</u>	<u>FCLP, carrier divert/carrier staging</u>	<u>75 Miles</u>
<u>MCAGCC 29 Palms</u>	<u>Marines/Airfield</u>	<u>175 Miles</u>
<u>NAF El Centro</u>	<u>NVG Support, Refuel</u>	<u>120 Miles</u>
<u>MCAS Yuma</u>	<u>Flight Operations, practice instrument approaches, practice landing, touch and go's and emergency landings</u>	<u>120 Miles</u>
<u>MCAS Camp Pendleton</u>	<u>Flight Operations, practice instrument approaches, practice landings, touch and go's and emergency landings</u>	<u>37 Miles</u>
<u>NAS Miramar</u>	<u>Flight Operations, practice instrument approaches, practice landings, touch and go's and emergency landings.</u>	<u>20 Miles</u>

31.c. What civilian-owned facilities located in the vicinity are/could be used to support the air station's and tenants' mission?

Table 31.3 Civilian Facilities

<u>Civilian Facility Name</u>	<u>Actual / Proposed Use</u>	<u>Distance</u>
<u>Brown Field</u>	<u>Light Aircraft</u>	<u>35 Miles</u>
<u>Lindbergh Field</u>	<u>Commercial Aircraft</u>	<u>15 Miles</u>
<u>Montgomery Field</u>	<u>Light Aircraft</u>	<u>5 Miles</u>

Location

Proximity to Major Transportation Nodes

32. List the major transportation facilities (both military and civilian) that play a significant logistics role and/or could play a role in any future operational deployment and mobilization plans.

Table 32.1 Transportation Nodes

<u>Facility</u>	<u>Mobilization Role</u>	<u>Location</u>
<u>Railroad</u>	<u>Heavy Equipment</u>	<u>On Station</u>
<u>Trucking</u>	<u>Light to Medium Equipment</u>	<u>On Station</u>
<u>Buses</u>	<u>Personnel</u>	<u>On Station</u>
<u>Airfield</u>	<u>Airfield Equipment/ Personnel</u>	<u>On Station</u>
<u>Local Airport</u>	<u>Airfield Equipment/ Personnel</u>	<u>San Diego</u>
<u>Shipping Piers</u>	<u>Shipping/ Sealift Equipment/ Personnel</u>	<u>San Diego</u>
<u>NAS Miramar</u>	<u>Staging/packing/loading/departing aircraft participating in the mobilization plans.</u>	

Features and Capabilities - Weather

33.a. What percentage of the time (on average, by month) does the local weather affect training operations and restrict airfield sortie rates? Use the following chart and add any further descriptions on how weather generally impacts airfield and training operations (recurring wind or fog conditions, etc.). Also fill out the chart for outlying fields if the information is available.

Table 33.1 Weather Information

Field Name: Mitscher Field

<u>Month</u>	<u>% of Hours¹ VMC</u>	<u>% of Hours IMC</u>	<u>% of Hours Below 200 ft Ceilings and 1/2 Mile Visibility</u>	<u>% of All Sorties Canceled² Due to Weather</u>
<u>Jan.</u>	<u>89</u>	<u>11</u>	<u>4</u>	
<u>Feb.</u>	<u>89</u>	<u>11</u>	<u>5</u>	
<u>Mar.</u>	<u>90</u>	<u>10</u>	<u>3</u>	
<u>Apr.</u>	<u>90</u>	<u>10</u>	<u>3</u>	
<u>May</u>	<u>86</u>	<u>14</u>	<u>3</u>	
<u>June</u>	<u>80</u>	<u>20</u>	<u>4</u>	
<u>July</u>	<u>79</u>	<u>21</u>	<u>3</u>	
<u>Aug.</u>	<u>80</u>	<u>20</u>	<u>3</u>	
<u>Sept.</u>	<u>81</u>	<u>19</u>	<u>5</u>	
<u>Oct.</u>	<u>83</u>	<u>17</u>	<u>6</u>	
<u>Nov.</u>	<u>88</u>	<u>12</u>	<u>5</u>	
<u>Dec.</u>	<u>90</u>	<u>10</u>	<u>4</u>	

¹ Percentage of total normal operating hours that specified weather conditions were observed (include list of normal operating hours used for this calculation).

² Only include lost sorties (do not include sorties delayed or rescheduled).

33.b. List the normal operating schedule used for the calculations on the previous table. Indicate if this schedule varies by month or season.

Table 33.2 Operating Hours

<u>Day</u>	<u>Sun.</u>	<u>Mon.</u>	<u>Tues.</u>	<u>Wed.</u>	<u>Thurs.</u>	<u>Fri.</u>	<u>Sat.</u>
<u>Operating Schedule</u>	<u>08-18</u>	<u>08-24</u>	<u>08-24</u>	<u>08-24</u>	<u>08-24</u>	<u>08-24</u>	<u>08-18</u>

33.c. Do local weather conditions have a regular impact on maintenance schedules? If so, describe how the air station accommodates these conditions.

No

33.d. Do the normal weather conditions at the most frequently used training areas pose a significant problem for scheduling training sorties? If so, are alternate training areas used? Does the use of alternate training facilities involve relocating aircraft and support personnel to other air stations during certain times of the year?

No

33.e. Does the local climate and geography provide unique training opportunities to the aircraft assigned to the air station (e.g., frequent opportunities for all-weather training)?

The local climate provides frequent opportunities for IMC training and numerous areas for multiple terrain training.

Encroachment

34.a. Do current estimates of population growth and development or environmental constraints pose problems for existing or planned AICUZ restrictions (i.e., safety of flight, noise)? Attach a copy of any applicable sections of the air station AICUZ plan and note any recent modifications.

Although an active issue, encroachment is under control with sufficient land use controls. the large acreage of the air station serves as a buffer for FCLP pattern, approaches and initial climb on departure. Local zoning promotes low density industrial uses in the accident potential zones and prohibits noise sensitive uses in the high noise zones. The adoption of the NAS Miramar Comprehensive Land Use Plan (CLUP) by the City of San Diego and the San Diego Association of Governments (SANDAG) provides land use guidelines more stringent than in AICUZ. (e.g. no new housing allowed above 65dB CNEL). Accident Potential Zones on departure extend 45,000 feet (versus the usual 15,000 feet) providing a corridor to the sea zoned compatibly with air operations. An airport overlay ordinance enacted by the City gives the CLUP the force of law and ensures that all developments are screened by CLUP guidelines. An exception to the CLUP requires a two-thirds vote of the City Council. In the past six years, no incompatible projects have been approved in the noise or accident potential zones. Noise complaints have declined from over 2,000 in 1974 to 497 last year, despite an increase in regional population.

ATTACHMENT

1990 CLUP pamphlet

34.b. Are there any known plans for a significant increase of commercial airline traffic in your area? If so, describe.

No, commercial operations at Lindbergh Field have declined in the past two years to about 11.4 million annual passengers.

35.a. Have there been any ATC delays (15 minutes or greater) between initial take-off request and actual take-off during the past three years as a result of civilian traffic? If so, please complete the following table.

No

Data in reference to take-off delays is not maintained. Infrequent delays of 15 minutes or greater are experienced as a result of civilian/military traffic. Delays of this nature are the result of restrictions placed on NAS Miramar easterly departures only due to traffic volume

over the JULIAN NAVAID. Traffic volume consists of both military and civilian traffic and must be sequenced over the NAVAID for handoff to Los Angeles Center.

Table 35.1 Delays

Fiscal Year	Average Delay (minutes)	Number of Delays	% of Total Flight Operations Scheduled
1991			
1992			
1993			

35.b. How many times during each of the past three years have any of your low level training routes been modified to accommodate development or population growth (noise complaints)?

None

Table 35.2 Required Changes

Fiscal Year	Number of changes
1991	None
1992	None
1993	None

36.a. Is the existing AICUZ study encoded in local zoning ordinances?

Yes, as the NAS Miramar Comprehensive Land Use Plan (CLUP).

36.b. Provide a description of local zoning ordinances and their impact on future encroachment, restricted flight hours and details of any litigation history.

Local zoning is a reflection of community plans for the San Diego communities surrounding the air station. The Community Planning Liaison Officer sits on each of the planning groups, providing input to plan updates. All updates must conform with the NAS Miramar CLUP. There are no land use restrictions on flight hours and no history of litigation related to flight operations.

36.c. Do current estimates of population growth and development or environmental constraints pose problems for existing or planned missions/other operations/or development.

Projected growth near the air station poses no mission constraints. There are no land use restrictions on flight hours and no history of litigation related to flight operations. While there is increasing pressure by state and federal agencies to protect sensitive species and habitat, most environmentally sensitive areas on-station already have protected status. This restricts development on some lands at Miramar, but it also serves as an encroachment buffer.

36.d. Provide a summary of the current and proposed land development plans for the area surrounding the air station (e.g. the local government's comprehensive land-use plan).

All noise sensitive uses are located outside the 65dB CNEL noise contour while the Accident Potential Zones are restricted to low density development, generally industrial.

36.e. Discuss briefly any ongoing litigation concerning environmental or airspace problems.

There are no ongoing litigations concerning environmental or airspace problems.

Features and Capabilities

Ability for Expansion

37. List the features of this air station that make it a candidate for basing other types of aircraft and other operational units in the future.

Air Station Feature	Benefit for Aircraft Squadrons
Ability to expand ramp/hangar space	Provide parking/maintenance areas for squadron aircraft. Infill and expansion space exists to allow the construction of new hangars. Infill and expansion space also exists to allow the construction of new aircraft parking (eastward expansion only), wash racks, acoustical enclosures, taxiway, etc.
Runway capacity	Runway capacity is capable of expanding to accommodate a 75 percent increase in flight operations without reaching the saturation point of the airspace surrounding the airfield.
Aircraft Intermediate Maintenance	Locations of existing facilities allow facility expansion.
Personnel Support Facilities	Land exists to allow expansion.
Utility and Circulation Infrastructure	Existing facility sizes can be upgraded and expanded to accommodate growth.
Runway patterns	Traffic patterns for the airfield can be accommodated entirely over air station property for fixed wing aircraft. The Marine Corps Concept Development Plan includes three alternative laydowns, one of which includes a helicopter closed pattern which is partially off Air Station property. A decision has not been made as to which alternative laydown will be selected..
Established AICUZ plans	AICUZ plans have identified corridors for aircraft departing/arriving the airfield to allow compatible land use. These areas have been incorporated in local government CLUP plans.
Proximity to training areas	The close proximity to training areas, both off-shore and inland, allow for short transit times and ready availability to battle group and carrier exercises.

Ideal weather	Normal weather patterns allow for the planning and conduct of training/exercises with a minimal impact due to adverse weather.
Runway length	Runway length allows all military aircraft to operate from the airfield. Expansion capability: Terrain on west end of the 8000' runway 6R/24L allows the pavement to be lengthened to 12,000' to match the length of the primary runway.

38.a. Are there any assets in the vicinity of the air station that are currently not used because of a deficiency but could be improved or enhanced to increase the air station's capabilities?

None.

38.b. Does the operational infrastructure (i.e., parking apron, fuel and munitions storage, warehouse space, hangar space) meet current requirements and provide capabilities for future expansion or change in mission?

Existing facilities meet all current Navy requirements. Future expansion/ surge capabilities in parking aprons addressed in capacity data call.

39. Give the average level of SELRES drill participation for the past three years (i.e. percentage attending regular and make-up drills). These numbers should reflect the participation of the SELRES population reported in your Capacity Data Call.

NAVAIRESCEN UIC: 09143	FY-1991	FY-1992	FY-1993
OFFICER	90.6%	90.3%	94.7%
ENLISTED	88.2%	88.6%	91.5%

Navy & Marine Corps Reserve Ctr UIC: 62106	FY-1991	FY-1992	FY-1993
OFFICER	REG 92.3% RS 7.7%	REG 87.8% RS 12.2%	REG 99.7%
ENLISTED	REG 94.5% RS 5.5%	REG 93.8% RS 6.2%	REG 98.4%

4th Tank BN MARDIVFMF USMCR UIC: 67680	FY-1991	FY-1992	FY-1993
OFFICER	98%	93%	92%
ENLISTED	96%	98%	96%

40. Does the local area provide a skilled work force that is essential for air station operations? Are these skills unique to the area or readily duplicated or available elsewhere?

Yes, the local area does provide a skilled work force. The skills are not unique to the area and would be available elsewhere.

Quality of Life

41. Military Housing

a. Family Housing:

(1) Do you have mandatory assignment to on-base housing? (circle) yes (no)

(2) For military family housing in your locale provide the following information:

Type of Quarters	Number of Bedrooms	Total number of units	Number Adequate	Number Substandard	Number Inadequate
Officer	4+	194	194		
Officer	3	341	341		
Officer	1 or 2	24	24		
Enlisted	4+	1605	1605		
Enlisted	3	2853	2853		
Enlisted	1 or 2	2648	2648		
Mobile Homes		0	0		
Mobile Home lots		108	108		

(3) 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: N/A. No inadequate facilities per NAVFACINST 11010.44E guidelines.

Facility type/code:

What makes it inadequate?

What use is being made of the facility?

What is the cost to upgrade the facility to substandard?

What other use could be made of the facility and at what cost?

Current improvement plans and programmed funding:

Has this facility condition resulted in C3 or C4 designation on your BASEREP?

41.a.(4) Complete the following table for the military housing waiting list.

Pay Grade	Number of Bedrooms	Number on List ¹	Average Wait
O-6/7/8/9	1	0	N/A
	2	0	N/A
	3	0	N/A
	4+	28	18-19 mos.
O-4/5	1	0	N/A
	2	16	11-12 mos.
	3	92	18-19 mos.
	4+	38	19-20 mos.
O-1/2/3/CWO	1	0	N/A
	2	141	30-31 mos.
	3	67	13-14 mos.
	4+	38	23-24 mos.
E7-E9	1	0	N/A
	2	72	22-23 mos.
	3	185	23-24 mos.
	4+	127	36-37 mos.
E1-E6	1	50	8-9 mos.
	2	1684	16-17 mos.
	3	1575	27-28 mos.
	4+	722	23-24 mos
E1-E9	Mobile Home Lots	45	12-18 mos.

¹As of 31 March 1994

41.a.(5)

What do you consider to be the top five factors driving the demand for base housing? Does it vary by grade category? If so provide details.

Top Five Factors Driving the Demand for Base Housing	
1	Cost: San Diego is one of the most expensive areas within the United States in which to live. Average monthly rental rates exceed Maximum Allowable Housing Cost (MAHC) for most military pay grades. Generally, E1-E6 personnel can only afford to rent homes in high crime neighborhoods. E1-E3 personnel can afford only one bedroom homes. E4-E6 personnel can afford two bedroom homes. Four bedroom homes are out of reach for all but O4 and above personnel. A December 1992 market analysis indicates this problem will worsen within the next five years. The average price of a single family home in 1993 was \$219,609 - well beyond the means of most military families.
2	Security: Due to the high cost of housing in San Diego, many families are forced to live in high crime areas. Gang activity and other types of crime common to major metropolitan areas are prevalent within the region. Security is a primary concern of service members whose families must fend for themselves during deployments.
3	Proximity to Work/Location: Military family housing sites are located within minutes of all eleven major military installations in the San Diego area. Many service members prefer to reside close to work to limit commute time, save money, and facilitate rapid recall. Most housing sites are located close to support facilities such as Family service centers, Commissary and Exchange facilities. Some sites are particularly desirable due to their locations. The housing sites on Coronado, for example, have the longest waiting lists due to the quiet atmosphere and outstanding schools located there.
4	Community Support: Many service members and their dependents cite the strong bond and support they receive from military neighbors as a primary reason for applying for family housing. This is especially important to families with sponsors attached to afloat commands.

5	<p>Quality of Facilities: San Diego offers many different types of homes. Age, style, amenities, location varies from one site to another. Single family, duplex, town house and apartment style homes are available. Many new sites have been acquired through the "Direct Purchase Program". The program enables the government to purchase entire communities from developers. These military housing communities blend in with other civilian homes as they were constructed to be rental or sales properties.</p>
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While the top five factors apply to all grade categories, they do vary in order of importance depending upon the grade. Senior officers are more likely to choose family housing due to proximity to work/location or community support. Cost and Security are the primary concerns of enlisted personnel.

(6) What percent of your family housing units have all the amenities required by "The Facility Planning & Design Guide" (Military Handbook 1190 & Military Handbook 1035-Family Housing)? **79%**

(7) Provide the utilization rate for family housing for FY 1993.

Type of Quarters	Utilization Rate
Adequate	98.39%
Substandard	N/A
Inadequate	N/A

(8) As of 31 March 1994, have you experienced much of a change since FY 1993? If so, why? If occupancy is under 98% (or vacancy over 2%), is there a reason? No

41.b. BEQ:

(1) Provide the utilization rate for BEQs for FY 1993.

Type of Quarters	Utilization Rate
Adequate	127%
Substandard	96%
Inadequate	94%

(2) As of 31 March 1994, have you experienced much of a change since FY 1993? If so, why? If occupancy is under 95% (or vacancy over 5%), is there a reason?

Although NARCEN, CVWR30, VF301, VF302, and VAW88 are expected to disestablish by the end of CY94, their number of BEQ occupants is comparatively small and generally within the range seen for each unit. However, all are toward the low end of their range. The TAR community as a whole is declining so far as BEQ occupancy is concerned.

(3) Calculate the Average on Board (AOB) for geographic bachelors as follows:

$$\text{AOB} = \frac{(\# \text{ Geographic Bachelors} \times \text{average number of days in barracks})}{365} = 42 \text{ enlisted personnel}$$

(4) Indicate in the following chart the percentage of geographic bachelors (GB) by category of reasons for family separation. Provide comments as necessary.

Reason for Separation from Family	Number of GB	Percent of GB	Comments
Family Commitments (children in school, financial, etc.)	8	25%	Medical requirements Educational requirements Domestic problems Needs of service
Spouse Employment (non-military)	21	66%	
Other	3	9%	
TOTAL	32	100	

(5) How many geographic bachelors do not live on base? None, since none are on a

waiting list.

41.c. BOQ:

(1) Provide the utilization rate for BOQs for FY 1993.

Type of Quarters	Utilization Rate
Adequate	N/A
Substandard	N/A
Inadequate	100%

(2) As of 31 March 1994, have you experienced much of a change since FY 1993? If so, why? If occupancy is under 95% (or vacancy over 5%), is there a reason? No, n/a

(3) Calculate the Average on Board (AOB) for geographic bachelors as follows:

$$\text{AOB} = \frac{(\# \text{ Geographic Bachelors} \times \text{average number of days in barracks})}{365} = 11 \text{ Officers}$$

(4) Indicate in the following chart the percentage of geographic bachelors (GB) by category of reasons for family separation. Provide comments as necessary.

Reason for Separation from Family	Number of GB	Percent of GB	Comments
Family Commitments (children in school, financial, etc.)	9	24%	Education requirements Medical requirements Domestic problems needs of service
Spouse Employment (non-military)	7	18%	
Other	22	58%	
TOTAL	38	100	

(5) How many geographic bachelors do not live on base? None - no waiting list.

On Base MWR Facilities

42. For on-base MWR facilities¹ available, complete the following table for each separate location. For off-base government owned or leased recreation facilities indicate distance from base. If there are any facilities not listed, include them at the bottom of the table.

LOCATION _____ DISTANCE _____

Facility	Unit of Measure	Total	Profitable (Y,N,N/A)
Auto Hobby	Indoor Bays	40	N
	Outdoor Bays	31	N/A
Arts/Crafts	SF	N/A	N/A
Wood Hobby	SF	N/A	N/A
Bowling	Lanes	32	N
Enlisted Club	SF	7,780	N
Officer's Club	SF	3,600	Y
Library	SF	N/A	N/A
Library	Books	N/A	N/A
Theater	Seats	1,600	Y
ITT	SF	2,100	Y
Museum/Memorial	SF	N/A	N/A
Pool (indoor)	Lanes	N/A	N/A
Pool (outdoor)	Lanes	8	N
Beach	LF	N/A	N/A

Swimming Ponds	Each	N/A	N/A
Tennis CT	Each	10	N

¹Spaces designated for a particular use. A single building might contain several facilities, each of which should be listed separately.

Facility	Unit of Measure	Total	Profitable (Y,N,N/A)
Volleyball CT (outdoor)	Each	4	N
Basketball CT (outdoor)	Each	7	N
Racquetball CT	Each	10	N
Golf Course	Holes	18	Y
Driving Range	Tee Boxes	20	Y
Gymnasium	SF	17,030	N
Fitness Center	SF	9,000	Y
Marina	Berths	N/A	N/A
Stables	Stalls	155	Y
Softball Fld/Baseball	Each	9	N
Football Fld	Each	2	N
Soccer Fld	Each	1	N
Youth Center	SF	5,968	Y
CPO Lounge	SF	1,650	N
Enlisted Recreation Center	SF	4,600	N
Mills Park	SF	N/A	N
Recreation Equipment Center	SF	5,100	N
R.V. Park	Each	42	Y
Vehicle Storage Lot	Space	650	Y
Pizza Pizzazz	SF	620	Y
Vet Clinic	SF	N/A	N

43. Is your library part of a regional interlibrary loan program?

N/A

44. Base Family Support Facilities and Programs

a. Complete the following table on the availability of child care in a child care center on your base.

Age Category	Capacity (Children)	SF			Number on Wait List	Average Wait (Days)
		Adequate	Substandard	Inadequate		
0-6 Mos	0	X			70	1 1/2 yr.
6-12 Mos	16	X			70	1 yr 2 mos.
12-24 Mos	38	X			106	up to 1 yr.
24-36 Mos	70	X			113	7 mos.
3-5 Yrs	142	X			144	7 mos.

b. 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:

Of the two child care facilities located on station, building 740 is new (constructed 1993) and building M246 is inadequate (constructed 1944). Building M246 is inadequate as defined by deficiency codes A3 and B30. Both facilities are being used as child care centers. Building 740, being new, requires no additional upgrade costs. Building M246 however is estimated to cost \$101,659 to bring it up to standards. This work has been identified by special project no. CMR6-89. This facility is classified as a C3 on our baserep. Due to the configuration of the facility, the building cannot be used for other purposes.

c. If you have a waiting list, describe what programs or facilities other than those sponsored by your command are available to accommodate those on the list.

None

d. How many "certified home care providers" are registered at your base?

e. Are there other military child care facilities within 30 minutes of the base? State owner and capacity (i.e., 60 children, 0-5 yrs).

No

15,000-740-216 CAPACITY

8,700-246-50 CHILDREN

45. Complete the following table for services available on your base. If you have any services not listed, include them at the bottom.

Service	Unit of Measure	Qty
Exchange	SF	74,136
Gas Station	SF	10,702
Auto Repair	SF	12,336
Auto Parts Store	SF	1,156
Commissary	SF	70,451
Mini-Mart	SF	7,993
Package Store	SF	9,300
Fast Food Restaurants	Each	7
Bank/Credit Union	Each	1 Bank
Family Service Center	SF	5,182
Laundromat	SF	1,833
Dry Cleaners	Each	1
ARC	PN	137
Chapel	PN	434
FSC Classrm/Auditorium	SF	6658
ATM Services	EA	2
Camp Gear Issue	SF	5733

Bowling Alley	SF	26761
Gymnasium	SF	17990
Youth Center	SF	5968
Theater	SF	20897
Library	SF	3552
Golf Clubhouse	SF	2716
Indoor Playing Courts	SF	6858
O Club/ E Club	SF	39852
Playing Courts	EA	14
Playing Fields	EA	7
Swimming pool	EA	2
Golf Course	HO	18
Riding Stable	SF	4020
Post Office	SF	7680

Fast Food Restaurants:

1. McDonald's
2. Sandtrap
3. Flightline cafeteria
4. Ops snackbar
5. NEX Cafeteria
6. Pizza Pizzaz
7. Teu Piu (at bowling alley)

46. Proximity of closest major metropolitan areas (provide at least three):

City	Distance (Miles)
San Diego	10
Los Angeles	120
Anaheim, CA	80

47. Standard Rate VHA Data for Cost of Living

Paygrade	With Dependents	Without Dependents
E1	218.36	122.17
E2	211.66	133.11
E3	206.44	152.11
E4	228.51	159.48
E5	261.55	182.62
E6	301.89	205.51
E7	339.62	235.92
E8	352.67	266.62
E9	358.64	272.25
W1	391.25	297.14
W2	386.34	303.02
W3	386.73	314.37
W4	403.06	357.37
O1E	386.83	286.94
O2E	348.28	277.68

O3E	414.92	351.02
O1	345.66	254.71
O2	332.79	260.12
O3	342.83	288.64
O4	411.69	358.00
O5	454.49	375.85
O6	477.20	394.99
O7	486.52	395.29

48.a. Off-base housing rental and purchase

a. Fill in the following table for average rental costs in the area for the period 1 April 1993 through 31 March 1994.

Type Rental	Average Monthly Rent		Average Monthly Utilities Cost
	Annual High	Annual Low	
Efficiency			
Apartment (1-2 Bedroom)			
Apartment (3+ Bedroom)			
Single Family Home (3 Bedroom)			
Single Family Home (4+ Bedroom)			
Town House (2 Bedroom)			
Town House (3+ Bedroom)			
Condominium (2 Bedroom)			
Condominium (3+ Bedroom)			

The following information was provided and certified by CNB. Data provided unable to fit exactly in the above format.

Type Rental	Average Monthly Rent		Average Monthly Utilities Cost
	Annual High	Annual Low	
Efficiency	\$521	\$521	\$29
1 Bedroom Unit*	\$581	\$581	\$32
2 Bedroom Unit*	\$700	\$698	\$34
3 Bedroom Unit*	\$823	\$821	\$62
4+ Bedroom Unit*	\$1026	\$988	\$97

* Includes apartments, condominiums, town homes and single family homes.

(Average monthly rental rates from Market Profiles, Inc. Rental Trends reports dated September 1993 and March 1994. Average monthly utilities provided by SDG&E).

48.b. What was the rental occupancy rate in the community as of 31 March 1994?

Type Rental	Percent Occupancy Rate
Efficiency	
Apartment (1-2 Bedroom)	
Apartment (3+ Bedroom)	
Single Family Home (3 Bedroom)	
Single Family Home (4+ Bedroom)	
Town House (2 Bedroom)	
Town House (3+ Bedroom)	
Condominium (2 Bedroom)	
Condominium (3+ Bedroom)	

The following information was provided and certified by CNB. Data provided unable to fit exactly in the above format.

Type Rental	Percent Occupancy Rate
Efficiency	95.04%
1 Bedroom Unit *	94.63%
2 Bedroom Unit *	93.89%
3 Bedroom Unit *	93.07%
4+ Bedroom Unit *	93.96%

* Includes apartments, condominiums, town homes and single family homes.

(Occupancy rates from Market Profiles, Inc. Rental Trends report dated March 1994).

48.c. What are the median costs for homes in the area?

Type of Home	Median Cost
Single Family Home (3 Bedroom)	
Single Family Home (4+ Bedroom)	
Town House (2 Bedroom)	
Town House (3+ Bedroom)	
Condominium (2 Bedroom)	
Condominium (3+ Bedroom)	

The following information was provided and certified by CNB. Data provided unable to fit exactly in the above format.

Type of Home	Median Cost
Single Family Home (3 /4 + Bedroom)	\$175,000
Town House (1/2/3+ Bedroom)	\$128,000
Condominium (1/2/3+ Bedroom)	\$128,000

(Median costs provided by Data Quick Information Systems. Costs broken down by bedroom were not available).

48.d. For calendar year 1993, from the local MLS listings provide the number of 2, 3, and 4 bedroom homes available for purchase. Use only homes for which monthly payments would be within 90 to 110 percent of the E5 BAQ and VHA for your area.

Month	Number of Bedrooms		
	2	3	4+
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

The following information was provided and certified by CNB. Data provided unable to fit exactly in the above format.

E5 BAQ+VHA = \$677.05

\$677.05 x 90% = \$609

\$677.05 x 110% = \$745

Range for monthly payment would be \$609 to \$745

The following assumptions were made:

- a. That the monthly payment would include mortgage, taxes and homeowners fees.
- b. That an E5 would not be able to afford a large down payment.
- c. That a purchase cost range of \$55,000 to \$73,000 would be appropriate to include varying interest rates and minimal down payment.

Month	Number of Bedrooms		
	2	3	4+
April 1994	223	24	3

(Note: Historical data not available. Numbers provided above reflect current availabilities. Information provided by REMAX Metro.)

48.e. Describe the principle housing cost drivers in your local area. (Cost drivers below were identified in a December 1992 Market Analysis prepared by Robert D. Neihaus, Inc.)

Housing cost is closely correlated with location, amount of land and number of bedrooms. Southern California coastal regions are among the most costly in CONUS. Temperatures in both the summer and winter are moderated by nearby waters of the Pacific Ocean. Average daily maximum temperatures are approximately 65 degrees Fahrenheit during the winter and 75 degrees Fahrenheit during the summer. Temperatures below freezing rarely occur. Annual rainfall averages approximately nine inches. Although most households are likely to prefer housing close to the amenities associated with coastal communities, the cost of housing in these communities is generally higher than locations further inland.

A well-developed regional road transportation system of interstate, state and county highways serve the area, as does a system of causeways linking the mainland with Coronado and North Island. Air service is available at San Diego International Airport (Lindbergh Field), Montgomery Field, and Ramona Airport. Passenger and freight rail services are provided by AMTRAK and the Santa Fe Railroad, respectively. Bus and trolley service are available within the area for local transportation.

San Diego has a diversified economic base characterized by several key elements:

- A wide range of manufacturing and service activities;
- A large military presence;
- An active tourism sector;
- An educational complex consisting of campuses of both the University of California and California State University systems as well as five other private universities and colleges;
- A growing research and development sector specializing in health care services.

Local forecasts of population growth indicate expected increases through 1996 averaging 2.1 percent annually. Both the job and population projections reflect a reduction

in expected growth compared to the rapid rates of the past two decades.

The major industry sectors in the county are the services sector, the wholesale and retail trade sectors and the civilian government. A mild recovery is projected for the county with employment increasing slowly.

49. For the top five sea intensive ratings in the principle warfare community your base supports, provide the following:

Rating	Number Sea Billets in the Local Area	Number of Shore billets in the Local Area
AB	0	6
AME	146	13
AO	178	72
BM	0	9
DC	0 ³²⁴	5 ¹⁰⁶

50. Complete the following table for the average one-way commute for the five largest concentrations of military and civilian personnel living off-base.

Location	% Employees	Distance (mi)	Time(min)
Mira Mesa, San Diego CA.	21%	5	10
Poway, CA.	5%	10	20
Rancho Penasquitos, CA.	5%	5	15
Rancho Bernardo, CA.	4%	7	15
Tierrasanta, San Diego, CA.	3%	7	15

Information obtained from Employee Transportation Rideshare survey of November 1993.

51. Complete the tables below to indicate the civilian educational opportunities available to service members stationed at the air station (to include any outlying fields) and their dependents:

51.a. List the local educational institutions which offer programs available to dependent children. Indicate the school type (e.g. DODDS, private, public, parochial, etc.), grade level (e.g. pre-school, primary, secondary, etc.), what students with special needs the institution is equipped to handle, cost of enrollment, and for high schools only, the average SAT score of the class that graduated in 1993, and the number of students in that class who enrolled in college in the fall of 1994.

Institution	Type	Grade Level(s)	Special Education Available	Annual Enrollment Cost per Student	1993 Avg SAT/ACT Score	% HS Grad to Higher Educ	Source of Info
San Diego Unified School Dist.	Public	K-12	Yes	\$3800 Enrollment of military dependents is 15291 students.			SD Unified School Dist.
Warner Union Elem. School Dist.	Public	K-8		\$3800 Enrollment is 264 students	unkn	unkn	San Diego County Office of Education

Sweetwater Union High School Dist.	Public	9-12	Yes	\$3800 Enrollment is 28828 students	unkn	unkn	Sweetwater Union HS District
South Bay Union Elem School Dist.	Public	K-6	Yes	\$3800 Enrollment is 9785 students			SB Union Dist.
San Ysidro Elem School Dist.	Public	K-8	Yes	\$3800 Enrollment is 3834 students			SY School Dist.
Chula Vista Elementary School Dist.	Public	K-6	Yes	\$3800 Enrollment is 18581 students			CV Elem School Dist.
Del Mar Union Elem. School Dist.	Public	K-6	Yes	\$3800 Enrollment is 1264 students			DM Union Dist

Santee Elementary School Dist.	Public	K-8	Yes	\$3800 Enrollment is 8200 students			Santee Elem School Dist.
Lemon Grove Elementary School Dist.	Public	K-8	Yes	\$3800 Enrollment is 4280 students			LG Elem School Dist.
National Elementary School Dist.	Public	K-6	Yes	\$3800 Enrollment is 6141 students			Nat'l Elem School Dist.
Valley Center Union Elem School Dist.	Public	K-8	Yes	\$3800 Enrollment is 2400 students			VC School Dist
Sante Fe Christian School	Private	K-12	No	\$3883 to \$5478			SFC School
Cajon Valley Union Elementary School Dist	Public	K-8	Yes	\$3800 Enrollment is 18357 students			CV School District

Alpine Union Elementary School Dist.	Public	K-8	Yes	\$3800 Enrollment is 2110 students			Alpine School Dist.
Dehesa Elementary School Dist	Public	K-6	Yes	\$3800 Enrollment is 194 students			Dehesa School Dist.
Cardiff Elementary School Dist.	Public	K-6	Yes	\$3800 Enrollment is 942 students			Cardiff School Dist.
Bonsall Union Elementary School Dist.	Public	K-8	Yes	\$3800 Enrollment is 1238			Bonsall Union School Dist.
Solana Beach Elementary School Dist.	Public	K-6	Yes	\$3800 Enrollment is 2040			Solana Beach School Dist.
Rancho Santa Fe Elem School Dist.	Public	K-8	Yes	\$3800 Enrollment is 576 students			Rancho Santa Fe School Dist.

Vallecitos Elementary School Dist.	Public	K-8	Yes	\$3800 Enrollment is 246 students			Vallecitos School Dist.
Spencer Valley Elem School Dist	Public	K-8	No	\$3800 Enrollment is 31 students			Spencer Valley School Dist.
Pauma Elem School Dist	Public	K-8	Yes	\$3800 Enrollment is 400 students			Pauma School Dist.
Encinitas Union Elem School Dist.	Public	K-6	Yes	\$3800 Enrollment is 4834 students			Encinitas School Dist.
Escondido Union High School Dist.	Public	9-12	Yes	\$3800 Enrollment is 6400 students	unkn	unkn	same as above
Fallbrook Union High School Dist.	Public	9-12	Yes	\$3800 Enrollment is 2284 students	unkn	unkn	same as above

Julian Union High School Dist.	Public	9-12		\$3800 Enrollment is 265 students	unkn	unkn	same as above
San Dieguito Union High School Dist.	Public	9-12		\$3800 Enrollment is 7303 students	unkn	unkn	same as above
Borrego Springs Unified School Dist.	Public	K-8, 9-12		\$3800 Enrollment is 443 students			
Mountain Empire Unified School Dist.	Public	K-6, 7-8, 9-12		\$3800 Enrollment is 2000 students			
Oceanside Unified School Dist.	Public	K-6, 7-8, 9-12		\$3800 Enrollment is 18056 students			
Ramona Unified School Dist.	Public	K-6, 7-8, 9-12		\$3800 Enrollment is 6500 students			

San Marcos Unified School Dist.	Public	K-6, 7-8, 9-12		\$3800 Enrollment is 10189 students			
Vista Unified School Dist.	Public	K-6, 7-8, 9-12	Yes	\$3800 Enrollment is 20700 students			
Carlsbad Unified School Dist.	Public	K-6, 7-8, 9-12		\$3800 Enrollment is 6791 students.			
Coronado Unified School Dist.	Public	K-6, 7-8, 9-12		\$3800 Enrollment is 2321 students			
Grossmont Union High School Dist	Public	9-12	Yes	\$3800 Enrollment is 19636 students			
Escondido Union Elem. School Dist	Public	K-8, 9-12, preschools	Yes	\$3800 Enrollment is 15673 students.			

Fallbrook Union Elem. School Dist.	Public	K-8, 9-12		\$3800 Enrollment is 5715 students			
Jamul-Dulzura Union Elem School Dist.	Public	K-8, 9-12		\$3800 Enrollment is 1230 students			
Julian Union Elem School Dist.	Public	K-8	Yes	\$3800 Enrollment is 515 students			
Lakeside Union Elem School Dist.	Public	K-8, 9-12		\$3800 Enrollment is 4903 students			
La Mesa-Spring Valley	Public	K-8, 9-12, preschools		\$3800 Enrollment is 13992 students			
San Diego Hebrew Day School	Private	preschool through high school		\$5400 (K-3); \$5750 (4-6); \$6200 (7-9)			

St. Augustine High	Private	9-12		\$3930 to \$4680			
Warren Walker	Private	Preschool through 6	No	\$5070			
SD Jewish Academy	Private	K-9	No	\$6200 to \$6810			
Luthern High School	Private	9-12	No	\$3000 to \$3550			
St. Therese	Private	preschool-through 8		\$1900 to \$2600			
La Jolla County Day School	Private	preschool through 12		\$8000 (preschool through 4); \$8425 (5-8); \$8750 (9-12)			
Poway School District	Public	K-12	Yes	\$3800 Enrollment is 2400.			

Note: The 1991 combined County wide SAT score average is 907. The College-going rate for 1992 is 47.2 percent. Tuition costs were unavailable. According to 2 school districts, the Average Daily Attendance (ADA) amount per child is approximately \$3700.00 - \$3900.00 per student, per year.

51.b. List the educational institutions within 30 miles which offer programs off-base available to service members and their adult dependents. Indicate the extent of their programs by placing a "Yes" or "No" in all boxes as applies.

Institution	Type Classes	Program Type(s)				
		Adult High School	Vocational / Technical	Undergraduate		Graduate
				Courses only	Degree Program	
Chapman University	Day	No	No	None	None	None
	Night	No	No	None	Yes (B.A., B.S.)	Yes (MBA, MFCC, M.A., H.R.M.)
National University	Day	None	None	None	None	None
	Night	None	Yes (Paralegal)	None	Yes (B.A.)	Yes (M.A., MBA)
University of California at San Diego	Day	None	None	Yes	Yes (B.A., B.S.)	Yes (M.A., PhD)
	Night	None	None	Yes	Yes (B.A., B.S)	Yes (M.A., PhD)
University of California at San Diego Extension	Day	None	None	Yes	None	None
	Night	None	Yes	Yes	None	None
Academy of Art College	Day	No	Yes	Yes	Yes (BFA)	Yes (MFA)
	Night	No	Yes	Yes	Yes (BFA)	Yes (MFA)

Maric College	Day	No	Yes	Yes	Yes (A.S.)	No
	Night	No	No	No	No	No
Pacific Coast College	Day	No	Yes	Yes	No	No
	Night	No	Yes	Yes	No	No
Kelsey-Jenney	Day	No	Yes	Yes	Yes (A.A.)	No
	Night	No	Yes	Yes	Yes (A.A.)	No
Coleman College	Day	No	Yes	Yes	Yes (A.S., B.S.)	Yes (M.S., MBA)
	Night	No	Yes	Yes	Yes (A.S., B.S.)	Yes (M.S., MBA)
Century Business College	Day	No	Yes	Yes	No	No
	Night	No	Yes	Yes	No	No
Advertising Arts College	Day	No	Yes	Yes	Yes (A.A., B.A.)	No
	Night	No	Yes	Yes	Yes (A.A., B.A.)	No
El Dorado College	Day	No	Yes	Yes	No	No
	Night	No	No	No	No	No
ITT Technical Institute	Day	No	Yes	Yes	Yes (A.S., B.S.)	No
	Night	No	Yes	Yes	Yes (A.S., B.S.)	No

San Diego State University	Day	No	No	Yes	Yes (B.A., B.S.)	Yes (PhD, MBA, M.A.)
	Night	No	No	Yes	Yes (B.A., B.S.)	Yes (PhD, MBA, M.A.)
ConCorde Career Institute	Day	No	Yes	Yes	No	No
	Night	No	No	No	No	No
Platt College	Day	No	Yes	Yes	No	No
	Night	No	Yes	Yes	No	No
San Diego Community College	Day	Yes	Yes	Yes	Yes (A.A.)	No
	Night	Yes	Yes	Yes	Yes (A.A.)	No
Point Loma Nazarene College	Day	No	No	Yes	Yes (B.A., B.S.)	Yes (M.A.)
	Night	No	No	Yes	Yes (B.A., B.S.)	No
California Western Univ. School of Law	Day	No	No	Yes	Yes	Yes (J.D.)
	Night	No	No	No	No	No
Grossmont College	Day	No	Yes	Yes	Yes (A.A.)	No
	Night	No	Yes	Yes	Yes (A.A.)	No
United States International Univ.	Day	No	No	Yes	Yes (A.A., B.A., B.S.)	No

	Night	No	No	Yes	No	Yes (M.A., MBA, DBA, MFCC, PsyD)
Southwestern College	Day	No	Yes	Yes	Yes (A.A., A.S.)	No
	Night	No	Yes	Yes	Yes (A.A., A.S.)	No
Christian Heritage College	Day	No	No	Yes	Yes (B.A., B.S.)	No
	Night	No	No	Yes	Yes (B.A., B.S.)	No
Webster University	Day	No	No	No	No	No
	Night	No	No	Yes	Yes (B.A.)	Yes (MBA, M.A.)
New School of Art & Architecture	Day	No	Yes	Yes	No	No
	Night	No	Yes	Yes	Yes (A.A., B.A.)	Yes (M.A.)
Palomar College	Day	No	Yes	Yes	Yes (A.A.)	No
	Night	No	Yes	Yes	Yes (A.A.)	No
University of San Diego	Day	None	None	Yes	Yes (B.A., B.S.)	None

	Night	None	None	Yes	Yes (B.A., B.S.)	Yes (M.A., J.D., PhD, MBA)
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51.c. List the educational institutions which offer programs on-base available to service members and their adult dependents. Indicate the extent of their programs by placing a "Yes" or "No" in all boxes as applies.

Institution	Type Classes	Program Type(s)				
		Adult High School	Vocational / Technical	Undergraduate		Graduate
				Courses only	Degree Program	
Chapman University	Day	None	None	None	None	None
	Night	None	None	Yes	Yes (B.A., B.S.)	Yes (MBA, M.A.)
	Correspondence	No	No	No	No	No
National University	Day	None	None	None	None	None
	Night	None	None	Yes	Yes (A.A., B.A., B.S.)	Yes (M.A., MFCC, MBA, MBB)
	Correspondence	None	None	None	None	None
Palomar College	Day	None	Yes	Yes	Yes (A.A.)	No
	Night	None	Yes	Yes	Yes (A.A.)	No
	Correspondence	None	No	No	No	No
San Diego Community College	Day	None	None	None	None	None
	Night	Yes (GED)	None	Yes	Yes (A.A.)	None

	Corres- pondence	None	None	None	None	None
University of Redlands	Day	None	None	None	None	None
	Night	None	None	Yes	Yes (A.A., B.A.)	Yes (M.A.M , MBA)
	Correspon- dence	None	None	None	None	None
University of Phoenix	Day	None	None	None	None	None
	Night	None	None	Yes	Yes (B.A., credit toward A.A.)	Yes (M.A., MBA)
	Correspon- dence	None	None	None	None	None
University of LaVerne	Day	No	No	No	No	No
	Night	No	No	Yes	Yes (A.A., B.A.)	Yes (M.A., MBA)
	Correspon- dence	No	No	No	No	No
Foundation of Educational Achievement	Day	No	No	No	No	No
	Night	Yes	No	No	No	No
	Correspon- dence	No	No	No	No	No
Southern Illinois University	Day	None	None	Yes - Weekend courses (B.S.)	Yes - Weekend courses (B.S.)	None
	Night	None	None	None	None	None
	Corres- pondence	No	No	No	No	No

52. Spousal Employment Opportunities

Provide the following data on spousal employment opportunities.

Skill Level	Number of Military Spouses Serviced by Family Service Center Spouse Employment Assistance			Local Community Unemployment Rate **
	1991	1992 *	1993	
Professional	111	93	995	0.069
Manufacturing	76	84	171	0.069
Clerical	254	271	557	0.069
Service	348	281	541	0.069
Other	102	92	298	0.069

* The Spouse Employment Assistance Coordinator position was vacant from June - October 1992 which will explain why the figures did not build from 1991 - 1993.

** The "Local Community Employment Rate" is a figure provided by the State of California, Employment Development Department (EDD), Labor Market Information Division. The unemployment rate county-wide currently stands at 6.9%. The figure is derived from a combination of a household survey and unemployment insurance claims. However, there is no breakdown from the unemployment claims data nor are surveyed individuals asked the type of work they are trained for nor the type of work they are seeking. Therefore, the local community employment rate for professional, manufacturing, clerical, service, other categories is unavailable, per local EDD, Labor Market Information Division.

53. Do your active duty personnel have any difficulty with access to medical or dental care, in either the military or civilian health care system? Develop the why of your response.

Medical: Active duty personnel have no difficulties with access to medical care at Branch Medical Clinic, NAS Miramar. Members requiring specialty care or care beyond the scope of the clinic are referred to Balboa Hospital (Naval Medical Center, San Diego). Access to civilian health care system is normally for emergencies only.

Dental: Active duty personnel receive the highest priority level in dental care. They are afforded the most comprehensive and state of the art dental treatment. Presently, there is no existing agreement with civilian dental providers to treat active duty personnel.

54. Do your military dependents have any difficulty with access to medical or dental care, in either the military or civilian health care system? Develop the why of your response.

Medical: The Branch Medical Clinic provides ambulatory outpatient care to active duty personnel only. Medical services are not available to dependents and retired personnel except for Pharmacy and Prenatal care. Ambulatory outpatient care is available through the NAVCARE clinics and comprehensive medical services in all categories of medical care is available at Balboa Hospital. Managed medical care is also available for eligible beneficiaries through the Tricare prime, extra, and standard. A new Dependent's Clinic will open on 13 June for additional support.

Dental: The Dependent Dental Plan is a comprehensive dental plan offered to eligible family members of active duty personnel. The cost of the plan is shared between the sponsor and the sponsor's service branch. With the creation of the plan and other BUMED regulations, the Navy treats family members on an emergency basis only.

55. Complete the table below to indicate the crime rate for your air station for the last three fiscal years. The source for case category definitions to be used in responding to this question are found in NCIS - Manual dated 23 February 1989, at Appendix A, entitled "Case Category Definitions." Note: the crimes reported in this table should include 1) all reported criminal activity which occurred on base regardless of whether the subject or the victim of that activity was assigned to or worked at the base; and 2) all reported criminal activity off base.

Crime Definitions	FY 1991	FY 1992	FY 1993
1. Arson (6A)			
Base Personnel - military		4	1
Base Personnel - civilian			3
Off Base Personnel - military			
Off Base Personnel - civilian			
2. Blackmarket (6C)			
Base Personnel - military			
Base Personnel - civilian			1
Off Base Personnel - military			
Off Base Personnel - civilian			
3. Counterfeiting (6G)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
4. Postal (6L)			
Base Personnel - military		1	
Base Personnel - civilian			

Off Base Personnel - military			
Off Base Personnel - civilian			

Crime Definitions	FY 1991	FY 1992	FY 1993
5. Customs (6M)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
6. Burglary (6N)			
Base Personnel - military		1	9
Base Personnel - civilian			7
Off Base Personnel - military			
Off Base Personnel - civilian			
7. Larceny - Ordnance (6R)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
8. Larceny - Government (6S)			
Base Personnel - military		64	24
Base Personnel - civilian		6	4
Off Base Personnel - military		2	
Off Base Personnel - civilian		6	

Crime Definitions	FY 1991	FY 1992	FY 1993
9. Larceny - Personal (6T)			
Base Personnel - military		204	121
Base Personnel - civilian		54	6
Off Base Personnel - military			
Off Base Personnel - civilian			
10. Wrongful Destruction (6U)			
Base Personnel - military		136	110
Base Personnel - civilian		40	32
Off Base Personnel - military			
Off Base Personnel - civilian			
11. Larceny - Vehicle (6V)			
Base Personnel - military		11	8
Base Personnel - civilian			2
Off Base Personnel - military			
Off Base Personnel - civilian			
12. Bomb Threat (7B)			
Base Personnel - military		3	
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			

Crime Definitions	FY 1991	FY 1992	FY 1993
13. Extortion (7E)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
14. Assault (7G)			
Base Personnel - military		127	61
Base Personnel - civilian		39	23
Off Base Personnel - military		5	
Off Base Personnel - civilian			
15. Death (7H)			
Base Personnel - military			
Base Personnel - civilian			1
Off Base Personnel - military			
Off Base Personnel - civilian			
16. Kidnapping (7K)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			

Crime Definitions	FY 1991	FY 1992	FY 1993
18. Narcotics (7N)			
Base Personnel - military		41	24
Base Personnel - civilian		5	6
Off Base Personnel - military			
Off Base Personnel - civilian			
19. Perjury (7P)			
Base Personnel - military			2
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
20. Robbery (7R)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
21. Traffic Accident (7T)			
Base Personnel - military		156	119
Base Personnel - civilian		71	49
Off Base Personnel - military			
Off Base Personnel - civilian			

Crime Definitions	FY 1991	FY 1992	FY 1993
22. Sex Abuse - Child (8B)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
23. Indecent Assault (8D)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
24. Rape (8F)			
Base Personnel - military		2	2
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
25. Sodomy (8G)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			

Base does not keep off-base crime statistics in the format requested. The following are the crime statistics for County of San Diego from the FBI Index Crime Rate, not all categories

of crimes described above are reflected as they are considered "part 2" crimes and are not included in this index. Source is the San Diego Association of Government, Criminal Justice Research Division report "Crime in the San Diego Region 1993" dated March 1994:

(All numbers are Crime per 1,000 population)

Crime Definition	FY 1991	FY 1992	FY 1993
6 Burglary (6N)	15.1	13.2	12.1
9 Larceny - Personal (6T) Larceny Theft)	39.6	29.6	27.7 (defined in FBI Index as
11 Larceny-Vehicle(6V)	18.8	13.0	12.5
14 Assault (7G) Aggravated	6.9	5.9	5.4 (defined in FBI Index as assault)
15 Death (7H)	0.2	0.1	0.1 (defined in FBI Index as Homicide)
20 Robbery (7R)	2.4	3.3	2.8
24 Rape(8F)	0.4	0.4	0.3 (defined in FBI Index as Forcible rape)

**BRAC 1995 CAPACITY ANALYSIS DATA CALL:
Operational/Reserve Air Stations/Facilities**

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**BRAC 1995 CAPACITY ANALYSIS DATA CALL:
Operational/Reserve Air Station/Facility**

AIR STATION/FACILITY - UIC Naval Air Station Miramar - 60259

STATION CAPACITY

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

Airfield Name Mitscher Field

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	Lighting				Arresting Gear Type(s)
				F	P	C	N	
24R/6L	12,000	200	308,000 DT	X				2 E-28
24L/6R	8,000	200	308,000 DT		X	X		2 E-28
28/10	6,000	200	313,000 DT		X			1 E-28

F -- Full lighting (runway edge, center, and threshold)

P -- Partial lighting (less than full)

C -- Carrier deck lighting simulated

N -- No lighting

Runway 28 authorized as an emergency arrestment runway or helicopter arrival runway. Aircraft must be capable of a bolter. Runway 10 authorized for departure of light aircraft/helicopters only.

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

CHG BY CNAP 9504

Apron/ramp/taxiway Location - ID	SF	Comp.	ID Type/Model A/C Prohibited	Comments
T1-3	37,500	ASP	C5, KC10, 747	
T1-1,2,4	997,500	CONC	C5, KC10, 747	
T4	218,000	CONC	C5, KC10, 747	
T5	415,400	CONC	NONE	
PA 2,3,5	1382575	CONC	NONE	
PA 1, 6-10	4785875	CONC	NONE	
P4	800,00	CONC	NONE	

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

The parallel taxiway is considered a high speed taxiway. There are no high speed turnoffs from the runways. The lack of high speed turnoffs does not impact runway operations.

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

The parallel taxiway is considered a high speed taxiway. Taxi to/from the runway is unimpeded.

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

The width of the VFR pattern is restricted due to the close proximity of Montgomery Field. Current glide path angle for runways 24L/24R is restricted to 3.5 degrees to allow containment within Class B airspace.

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?)

Runways 24R/24L/6R/6L are designed to accept all aircraft. Runway 28 is an emergency arrestment/helicopter runway. Runway 10 is for helicopter arrival/departure.

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 2	# Flight Ops/Hr		Comments on Limiting Factors
	IMC	VMC	
Main	120	160	Limiting factors are the ability of the ATC system to accept the operations. Airspace saturation would occur prior to reaching airport capacity.
Auxiliary N/A			

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		Auxiliary Field		Auxiliary Field	
	# Ops	# Days	# Ops	# Days	# Ops.	# Days	# Ops.	# Days
1991	15,298	29						
1992	12,210	29						
1993	12,039	29						

2c. What percent of your flight operations at home field are Fleet Carrier Landing Practices (FCLPs)?

For CY93, there were 36,362 FCLPs for a total of 25 percent of annual operations.

2d. Are you designated as an **authorized divert field** for any non-DoD aircraft? Explain.

No.

2e. Is your airfield designated as a **joint use airfield** (i.e. civilian/military, APOE)? If yes, explain mission and identify any special joint use facilities, equipment, or operational practices.

No.

2f. Are you a NATO designated facility? If yes, explain mission and identify any special NATO facilities, equipment, or operational practices.

No.

2g. What percentage of total operations are civilian?

Less than 2 percent of total operations are civilian. The majority of civilian operations are aircraft overflying the airfield.

2h. Describe the major **civilian air traffic structures** (routes, terminal control areas, approaches, etc.) discuss the present and likely future impact of each on air station operations.

NAS Miramar lies within the San Diego Approach Control Class B airspace. Traffic flow, IFR, to Lindberg Field flows either over or east of Miramar. Departures from Miramar are restricted in altitude to avoid other traffic. This restriction does not impede traffic flow. If delays are encountered, it is normally the result of Los Angeles Center imposing restrictions on aircraft entering Los Angeles Center airspace over the Julian NAVAID. Departures from Miramar westbound are via the Seawolf corridor and are unimpeded.

2i. Are there any **air traffic control constraints/procedures** that currently, or may in the future, limit air station operations? If yes, fully explain impact.

The only current air traffic control constraints are restrictions imposed over the Julian NAVAID and occasionally the saturation of the approach control sector serving NAS Miramar. Restrictions over the Julian NAVAID result in some departure delays.

2j. List the normal **hours of operation** for the main airfield and each auxiliary airfield. Indicate if this schedule varies by month or season. If not 24 hour a day operation, explain (i.e. noise restricted).

Operating Schedule	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Main Airfield	08-18	08-24	08-24	08-24	08-24	08-24	08-18
Aux. Airfield N/A							

Remarks: 24 HR operations available as necessary, however; no requirement for continuous operations.

3a. Assuming that airfield operations are **not constrained** by operational funding (personnel support, increased overhead costs, etc.), what **additional capacity** (in flight operations per hour) could be gained with the current equipment, physical plant, etc.? Provide details and assumptions for all calculations.

Current equipment and facilities are sufficient to support fixed wing operations up to the airfield capacity limit. Historical data indicates the airfield could easily support a 75 percent increase in airfield operations.

3b. Assume that all planned MILCON in PB 1995 (Presidential budget submission) through FY 1997 and BRACON is completed as scheduled. What **additional operating capacity** would be realized? Provide cost and details of all additional capacity calculations.

BRACON would allow for integration of rotary wing aircraft with fixed wing aircraft. Airfield capacity, in terms of runway acceptance rates, would not change. Some scheduling limitations would be realized when conducting FCLPs with fixed wing aircraft. BRACON of helicopter landing pads/strips and a separate helicopter pattern will minimized the conflicts. Anticipate the same level of operations as currently conducted at El Toro and Tustin to be conducted at Miramar.

3c. What **additional projects** could be added to provide **additional operating capacity**? At what estimated cost? Provide details and assumptions for all calculations.

CHG BY CNAP 9504

Current facilities are sufficient to support operational requirements. In addition, historical data indicates ability to support an increase of 75 percent in airfield operations. BRACON requirements for additional operating capacity will be addressed separately by USMC via their headquarters.

3d. List and explain the **limiting factors** that further funding for personnel, equipment, facilities, etc. cannot overcome (e.g. airspace size/availability, AICUZ restrictions, environmental restrictions, land areas). Provide details of calculations.

AICUZ restrictions will apply. Fixed wing operations will continue using current routes. Rotary wing corridors will be developed to avoid populated areas to the maximum extent possible. Environment restrictions will be considered. Some areas are not available for development due to environmentally sensitive issues. It appears all proposed BRACON can be completed with regard to environmental restrictions.

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.

NAVAID	DESCRIPTION/LOCATION
TACAN	URN-25. Located north of runway 24R, 8,500 feet from approach end.
Airport Surveillance Radar	ASR-9. Located approximately 1/2 mile north of runway 24R.
Precision Approach Radar	FPN-63. Located mid-field.

BASING

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
VF-2	14	F-14D	14	14	0	0	0
VF-11	10	F-14D	9	10	0	0	0
VF-24	12	F-14A	9	12	0	0	0
VF-31	10	F-14D	10	10	0	0	0
VF-51	9	F-14D	11	0	0	0	0
VF-111	9	F-14A	11	0	0	0	0
VF-211	12	F-14A	11	12	0	0	0
VF-213	15	F-14A	15	15	0	0	0
VAW-112	4	E-2C	4	4	0	0	0
VAW-113	4	E-2C	4	4	0	0	0
VAW-114	4	E-2C	4	4	0	0	0
VAW-116	4	E-2C	4	4	0	0	0
VAW-117	4	E-2C	4	4	0	0	0

Squadron/Det	# of Aircraft (PAA)	Aircraft (T/M/S)	FY 1994	FY 1995	FY 1997	FY 1999	FY 2001
VF-2	14	F-14D	14	14	0	0	0
NFWS	5	F-14A	4	4	0	0	0
NFWS	11	F-16N	11	0	0	0	0
NFWS	2	TF-16N	2	0	0	0	0
NFWS	16	F/A-18C	0	16	0	0	0
VMFA(AW) 121	12	F/A-18C	12	0	0	0	0
VMFA-235	12	F/A-18C	12	0	0	0	0
VMFA(AW) 242	12	F/A-18C	0	12	0	0	0

CURRENT BUDGET (JUNE 94) PLANNING HAS TOP GUN RECEIVING SITE AT FALLON AVAILABLE NO EARLIER THAN MID 97. EXPECT TOP GUN TO STAY AT MIRAMAR THROUGH END OF 96 AT LEAST.

5b. Summarize average visiting squadron/det loading on air station operations(i.e. airwing/wing weapons deployment).

Change
N4644-
CPF
MAY 94

Squadron/Det Size (#A/C)	Apron Space Used	Hangar Space Assigned	Maintenance Support	Ave length of stay
VA 122 4/F-18	108K	10K	1,000	5 days 3-4 x yr
VT 7 24 A4	280K	10K	5,000	11 days 3-4 xyr
Trawing 24 T2	280K	10K	3,080	11 days 3-4 xyr
NFWS 16 F18	233.3K	10K	3,080	7 wks 4 x yr
PAXRVR 1 E2	25K	4536	1,500	10 days 4xyr
Air Natl Guard 9 F16	140K	4500	10,000	21 days 1xyr
VMFAT 101 12/F18	175K	6700	10,000	2 wks 2xyr

Air Force LIFS 8 F-16	116,6K	6700	10,000	2 wks 2xyr
Air Force 62 FS 8 F-16	116,6K	6700	10,000	2 wks 2xyr
Air Force 63 FS 8 F-16	116,6K	6700	10,000	2 wks 2xyr
VA 128 5 A6	73K	4500	1,620	5 days 4xyr
VAQ 129 6 EA6	87.5K	4500	1,620	5 days 4xyr
VF 202 8 F14	116.5K	4500	10,000	10 days 2xyr
VF 201 6 F14	87.5K	5000	10,000	10 days 2xyr
VAQ 309 6 EA6	87.5K	8050	6,000	7-14 days 4-5xyr
VA 304 6 A6	87.5K	8050	6,000	7-14 days 4-5xyr
VFA 303 6 F18	87.5K	8050	6,000	7-14 days 4-5xyr
VAW 78 2 E2	50K	4000	2,000	10 days 2xyr
VAQ 139 4 EA6	60K	4000	1,500	5 days 3xyr
Canada 416 6 F18	87.5K	10,800	8,000	13 days 1xyr
VAQ 131 6 EA6	87.5K	10,800	8,000	7 days 1xyr
425 FS 12 F16	175K	12,800	12,080	21 days 1xyr
VP 66 1 P3	18K	11,700	2,000	5 days 3-4xyr
VFA 137 6 F18	93K	10,000	7,000	7 days 1xyr

5c. If a major percent of flight operations at your air station is from other than permanently stationed squadron/detachments, provide explanation.

A significant amount of training for transient squadrons originates from NAS Miramar. VA/VAQ squadrons det here to support fleet exercises off-shore. CVW-20 dets here for fleet exercises and weapons training. U.S. Air Force fighter squadrons det here for adversary training and to support fleet exercises. VA-128, VAQ-129, VMFAT-101, and CNATRA aircraft det here while conducting FRS CQ training with a carrier off-shore. KC-135, KC-10, and NUC-135 aircraft det here to support fleet training operations. Some foreign squadrons (Singapore, Canadian, and British) det here for adversary/ACM/long range navigation training.

**CAPACITY ANALYSIS:
DATA CALL WORK SHEET FOR
OPERATIONAL/RESERVE AIR STATION/FACILITY: NAVAL AIR STATION
MIRAMAR - 60259**

Category.....Shore Support of Operating Forces

Sub-category....Operational Air Stations and Reserve Air Stations

Types.....Navy and Marine Corps Operational and Reserve Air Stations and
Facilities

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

General Notes:

1. Highly recommend coordination of environmental inputs with Regional Environmental Coordinators.
2. For any airspace issues, coordinate with area airspace coordinator.
3. Recommend read-through of entire data call before answering individual questions.
4. Items which are Not Applicable should be noted as such.
5. For any projection provided in the data call response, explain how the projection was calculated (i.e., what changed and how you quantified it).
6. All data requested by fiscal year refers to the end of the fiscal year.
7. In answering throughput and capacity questions, assume that all previous BRAC decisions are implemented on schedule.

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
MWCS-48 Det B	0	N/A	0				
MASS-6 Det A	0	N/A	0				
MWSS-473	0	N/A	0				
HQMAG-46	0	N/A	0				
MALS-46	0	N/A	0				
VMFA-134	0	N/A	0	12			
VFC-13	9	FA18A	10	10			
VFC-13	1	FA18B	2	2			

6b. For each **reserve squadron** at your air station, provide the number of **authorized billets** and the number of personnel actually assigned to the squadron for the past three fiscal years. Provide this information in the format below for both Selected Reservists (SELRES) and Training and Administration of Reserves (TAR) Navy Reservists/Full-Time Support (FTS) Marine Corps reservists. Explain differences between authorized and actual manning in the remarks section (i.e. not enough qualified reservists in the area).

Squadron: VAW-88 09074	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Pilot												
NFO												
Other Officer	28	8	27	8	28	8	28	8	28	6	27	6
Enlisted	102	83	86	75	96	83	73	83	96	66	91	72

Remarks: Detailed info records not available.

Squadron: VF-301 09108	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Pilot												
NFO												
Other Officer	33	7	33	7	33	7	33	7	33	6	33	9
Enlisted	137	117	131	117	135	117	106	150	135	124	106	114

Remarks: Detailed info records not available.

Squadron: VF-302 09120	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Pilot												
NFO												
Other Officer	35	6	35	6	35	9	39	9	35	6	34	6
Enlisted	146	126	142	130	145	126	120	157	143	132	120	141

Remarks: Detailed info records not available.

Squadron: VFC-13 52995	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Pilot												
NFO												
Other Officer	26	7	26	7	36	7	34	7	18	11	18	10
Enlisted	89	103	80	115	86	112	70	115	81	102	78	110

Remarks: Detailed info records not available.

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. N/A

Squadron/ Custodian	# of Aircraft (PAA)	Aircraft (T/M/S)	FY 1994	FY 1995	FY 1997	FY 1999	FY 2001
N/A							

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.

No other aircraft scheduled to be stationed at the Air Station.

Service/ Agency/ Custodian	# of Aircraft (PAA)	Aircraft (T/M/S)	FY 1994	FY 1995	FY 1997	FY 1999	FY 2001
N/A							

9a. List other **operational command or support units** (ie. air wing staffs, MWSG, 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)
CVW-11 09734	AIRWING STAFF	4,181 SF	
CVW-14 09261	AIRWING STAFF	2,650 SF	
CVW-2 09742	AIRWING STAFF	4,181 SF	
COMFIT WINGPAC 55629	TACTICAL SUPPORT	39,080 SF	

COMAEWIN GPAC 55634	TACTICAL SUPPORT	32,201 SF	
CVW-15	AIRWING STAFF	2,332 SF	

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.

As a result of BRAC 93 and downsizing NAS Miramar has seen three squadrons decommissioned with the loss of approximately 39 aircraft and approximately 654 military. The station will see decommissionings of VF-124, VAW-110 and reserve squadrons VF-301, VF-302, and VAW-88 by the end of FY94. A grand total of billets/positions projected to be relocated to receiving sites in 1996/1997 are 414 officers, 2,779 enlisted, 124 civilians, 404 students, and 20 contractors. These migration figures and other projected vacancies will make way for the initial and projected marine units scheduled to begin moving aboard NAS Miramar in early summer 1994 for the beginning standup of Marine Corps Air Station Miramar.

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	FY 1994	FY 1995	FY 1997	FY 1999	FY 2001
Federal Fire Dept	Active	**51	**51	**51		
Fleet Industrial Supply Center(FISC)	Active	***7	***7	***7		
HRO/Noris	Active	**2	**2	**2		
Naval Hospital SDIEGO	Space Only					
Naval Air Reserve 09143	Reserve	*173 **2	*0	0		
CVWR-30	Reserve	*33	0	0		
Navy Exchange	Active	*1 620NAFI	*1 620NAFI	*1 620NAFI		
Nav Aviation Eng Svc Unit (NAESU)	Active	*4 **49	*4 **49	*4 **49		
Naval Medical Center	Active	*40 **4	*40 **4	*40 **4		

NAS Miramar A/C OPDET	Active	*132	*132	*132		
Naval Dental Center	Active	*26 **6	*26 **6	*26 **6		
Fleet Imaging Center	Active	*40 **2	*40 **2	*40 **2		
Naval Criminal Investigation Svcs	Active	**6	**6	**6		
Naval Publication & Printing	Active	**1	**1	**1		
NAS Miramar - AIMD	Active	*542 **45	*542 **45	*542 **45		
Naval Consolidated Brig	Active	*153 **41	*153 **41	*153 **41		
F-14D FIT	Active	*12	*12	*12		
NAS Miramar SEAOPDET	Active	*278	*278	*278		
CARAEWPNSCH	Active	*22	*22	*22		
TRAWING 2 Det	Active	*15	*15	*0		
E-2C FT	Active	*7	*7	*7		
Defense Commissary Agency	Active	*12 **144	*12 **144	*12 **144		
Navy Fighter Weapons School	Active	*172 **8	*172 **8	*0		
Explosive Ord Det, OP1	Space Only					
COMFITWINGPAC	Active	*33 **13	*33 **13	*33**13		
COMAEWWINGPAC	Active	*30 **8	*30 **8	*30 **8		
CMD, Trng Cmd US PAC	Space Only					
NAS Miramar	Active	*199 **345	*199 **345	*199 **345		
Navy/Marine Reserve Center 62106	Active/ Reserve	*2773 **3	*2773 **3	*2773 **3		
Naval Education & Training School	Active	**2	**2	**2		
Navy Public Works Ctr	Active	**133	**133	**133		
Naval Base (Family Housing)	Active	**7	**7	**7		
Naval Warfare Assessment Ctr	Active	**1	**1	**1		

Defense Logistics Agency	Space Only					
Defense Nuclear Agency	Space Only	***11	***11	***11		
Naval Aviation Depot	Active	**28	**28	**28		
NOSC ROT&E Div	Active	**2	**2	**2		
Naval Air Maint Trng GP Det	Active	*145 **1	*145 **1	*145 **1		
Naval Oceanographic Cmd Pac	Active	*8 **2	*8 **2	* 8 **2		
Flt Aviation Spec Op Trng (FASO)	Active	*13 **11	*13 **11	*13 *11		
Naval Alcohol Rehab Center	Active	*99 **42	*99 **42	*99 **42		
Marine Corps Res Trng Ctr 4th Tank 67680	Reserve	*560	*742	*742		
Personnel Support Acty	Active	*67 **17	*67 **17	*67 **17		
S.W. Div NAVFACENCOM/ROICC	Active	*1 **4	*1 **4	*1 **4		
Naval Reserve Recruiting	Reserve	*3	*3	*3		
NAVAIR Warfare Ctr Pt Mugu	Space Only					
CVW-14	Active	*33	*33	*0		
CVW-11	Active	*33	*33	*0		
CVW-2	Active	*30	*30	*0		
CVW-15	Active	*33	*33	*0		
Army ROTC	Space Only					
LORAL	CNTREP	***1	***1	***1		
Calif. Army Nat.Guard 185th	Space Only					
Pratt & Whitney	CNTREP	***1	***1	***1		
San Diego Sheriff	Active	***8	***8	***8		
Calif. Army National Guard CO. B	Space Only					

McDonald Douglas	CNTREP	***4	***4	***4		
Litton	CNTREP	***1	***1	***1		
Dimensions International (NAVAIR)	CNTREP	***2	***2	***2		
Rail	CNTREP	***1	***1	***1		
General Electric (Kansas)	CNTREP	***4	***4	***1		
Allison Gas Turbine Div. of G.E.	CNTREP	***1	***1	***1		
Grumman Aircraft	CNTREP	***32	***32	***32		
Martin/Baker	CNTREP	***1	***1	***1		
Martin/Marietta	CNTREP	***2	***2	***2		
Sanders	CNTREP	***1	***1	***1		
Union Bank	Active	***10	***10	***10		
Hughes Aircraft Co.	CNTREP	***5	***5	***5		
SATO	Active	***2	***2	***2		
Boy Scouts	Space Only					
Gun Club	Active	***7	***7	***7		
U.S. Post Office	Active	***2	***2	***2		
Lockheed	CNTREP	***97	***97	***97		
6220th US Army Reserve School	Space Only					
S.M. Harris	Space Only					
San Diego Air National Guard (147th)	Space Only					
American Red Cross	Active	***1	***1	***1		
Navy/Marine Relief Society	Active	***8	***8	***8		
63rd US Army Reserve Command	Space Only					
HQTRS 7th Infantry Div. Ft. Ord.	Space Only					

1st/V Marine Expeditionary Force	Space Only					
FAA Western Region	Active	***72	***72	***0		
U.S. Customs Svc	Space Only					
Army Med Det Ft. Irwin Vet	Space Only					
U.S. Forest Service	Active	***10	***10	***10		
McDonalds	Active	***60	***60	***60		
Dept of Army 1st Phy Ops Co	Space Only					
89878 Med-Den	Reserve	*24	*0	*0		
85603 AV-185	Reserve	*24	*0	*0		
NAS Miramar Sec Det	Active	*125 **15	*125 **15	*125 **15		
86208 FITWING 0185	Reserve	*31	*0	*0		
RUC 21441	Reserve	*212	*316	*316		
RUC 21442	Reserve	* 92	* 85	* 85		
RUC 14021	Reserve	*121	*206	*206		
RUC 14022	Reserve	*17	*17	*17		
RUC 29067	Reserve	*8	*8	*8		
RUC 96213	Reserve	*13	* 13	* 13		
RUC 87272	Active	*85	* 85	* 85		
RUC 87272	FTS/ Reserve	*12	* 12	* 12		

Note: * - Military Personnel
** - Civilian Personnel
*** - Non-DOD Civilian Personnel

Number listed are current on board. Expected draw down migration figures are not available at this time.

10b. For each of these other **reserve Navy/Marine Corps** units at your air station, provide the number of **authorized billets** and the number of personnel actually assigned to the squadron for the past three fiscal years. Provide this information in the format below for both Selected Reservists (SELRES) and Training and Administration of Reserves (TAR) Navy reservists/Full-Time Support (FTS) Marine Corps reservists. Explain differences between authorized and actual manning in the remarks section.

NR Activity/Unit: NAVAIRESCEN Miramar 09143	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Officer	0	14	0	10	0	7	0	8	0	6	0	6
Enlisted	0	82	0	152	0	80	0	106	0	83	0	83

Remarks:

NR Activity/Unit: CVWR-30 09394	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Officer	4	16	4	15	2	15	7	13	3	12	2	11
Enlisted	0	24	0	24	0	24	0	22	0	24	0	21

Remarks:

NR Activity/Unit: Med-Den-0185 89878	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Officer	8	0	8	0	8	0	6	0	6	0	6	0
Enlisted	23	0	26	0	28	0	24	0	11	0	18	0

Remarks:

NR Activity/Unit: AV-185 85603	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Officer	0	0	1	0	0	0	0	0	0	0	0	0
Enlisted	12	0	8	0	12	0	7	0	0	0	0	0

Remarks:

NR Activity/Unit: FITWING-185 86208	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Officer	9	0	34	0	9	0	31	0	9	0	28	0
Enlisted	8	0	45	0	12	0	30	0	11	0	0	3

Remarks:

NR Activity/Unit: 62106 NMCRRC	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Officer	1061	14	1061	14	1061	15	1061	15	1015	13	1015	13
Enlisted	2559	125	2559	125	2213	130	2213	130	1625	120	1625	120

Remarks: Total includes all UIC's at center

NR Activity/Unit: 4th Tank Bn. San Diego 67680	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Officer	70	1	70	1	70	1	70	1	73	1	39	1
Enlisted	574	11	574	11	574	11	574	11	572	11	424	11

Remarks: Total includes the following RUCs: 21441, 21442, 14021, 14022, 29067, 96213, and 87272.

11. For all reserve units that train at the air station, summarize the average number of candidate reservists on **waiting lists for reserve billets** (i.e., station/squadron/unit/etc.) during the years indicated.

	Average Personnel on Waiting List		
	FY 1991	FY 1992	FY 1993
Pilot	20	60	80
NFO	30	40	50
Other Officers	45	80	90
Enlisted	50	100	150

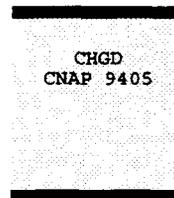
TRAINING SUPPORT

12a. Estimate the number of **flight operations** (take-off, landing, touch and go, and approach without landing) per year at your installation that are needed to **maintain required operational readiness** by each squadron/unit assigned to the installation. Provide comments on the basis for these values.

Squadron/ Unit	Aircraft Type	Number of Flight Operations/Yr	Comments
NFWS	F-16/F-14/FA-18	7,000	
VF-124	F-14	5,500	PCS 9/94
VAW-110	E-2/C-2	3,880	PCS 10/94
VFC-13	F-18	3,500	
VF-301	F-14	2,300	Disestablish 9/94
VF-302	F-14	4,000-4,500	Disestablish 9/94
VAW-88	E-2	700	Disestablish 9/94
VF-2	F-14	4,000	
VAW-116	E-2	1,940	
VF-24	F-14	4,000	
VF-211	F-14	4,000	
VAW-112	E-2	1,940	
VF-213	F-14	4,500	
VAW-117	E-2	1,940	
VF-11	F-14	4,000	

VF-31	F-14	4,000	
VAW-113	E-2	1,940	
VF-51	F-14	4,000	
VF-111	F-14	4,000	
VAW-114	E-2	1,940	

Remarks: Number of flight operations estimated by average pilots capabilities. FCLP dictates various numbers of flight operations as defined based upon individual pilot capability and as such are not recorded. Squadrons keep data on sortie rates only.



12b. For each **Special Use Airspace (SUA)** or airspace-for-special use routinely used by squadrons/units assigned to your installation (regardless of location¹), indicate how many hours per year are **required** for each user to maintain **required operational 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.

¹ include RON/domestic deployment training

SUA	Location/ Distance	Types/Uses	Scheduling Authority (UIC)	Squadron/Unit	Training Requirement (types of training)	Yearly Usage Rate (Hrs)
W-291	110 NM	F-14/F-16 A-4/E-2 C-2/T-34 F-18	N09528	VF/VAW	ACM/Intercept/ Tactics	121,500 hours
W-289	110NM	F-14/F-18	N63126	VF	Missile	2,700 hours
R-2507 N/S	220 NM	F-14/F-16 A-4/T-34 F-18	N02231	VF	A/G ord	16,200 hours
R-2512	110 NM	F-14/T-34 F-16/F-18 A-4	N02231	VF	A/G ord	10,800 hours
R-2301	140 NM	F-14/F-16 A-4/F-18	N02231	VF	A/G ord/ACM	23,200 hours
R-2508	220 NM	F-14/A-4 F-16/F-18	Edwards AFB	VF	E/ECM	
R-2510	70 NM	F-14/T-34 F-18/F-16	Edwards AFB	VF	A/G ord	10,800 hours
R-2524	150 NM	F-14/F-16 A-4/F-18	Edwards AFB	VF	A/A	2,700 hours
R-4813	480 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	VF/VAW	A/G ord, E/ECM ACM, Tactics	UNK
R-4804	450 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	VF/VAW	A/G ord, E/ECM ACM, Tactics	UNK

¹ include RON/domestic deployment training

R-4802	490 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	VF/VAW	A/G ord, E/ECM ACM, Tactics	UNK
R-4816	460 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	VF/VAW	A/G ord, E/ECM ACM, Tactics	UNK
R-4810	450 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	VF/VAW	A/G ord, E/ECM ACM, Tactics	UNK
R-4806	300 NM	E-2	554RS	VAW	Tactics	UNK
R-4807	320 NM	E-2	554RS	VAW	Tactics	UNK
R-4808	310 NM	E-2	DOE	VAW	Tactics	UNK
R-4809	360 NM	E-2	DOE	VAW	Tactics	UNK
Kane MOA	110 NM	F-14/A-4 F-16/T-2	N02231	VF	Spin, Intercept, A/G ord	8,600 hours
Abel MOA	110 NM	F-14/A-4 F-16/T-2/T- 34	N02231	VF	Spin, Intercept, A/G ord	8,100 hours
Turtle MOA	110 NM	F-14/A-4 F-16/E-2	N02231	VF/VAW	ACM, Intercept	2,700 hours
Quail MOA	110 NM	F-14/A-4 F-16/E-2	N02231	VF/VAW	ACM, Intercept	2,700 hours
Gabbs MOA	440 NM	F-14/F-16 F-18/A-4 T-2	N60495	VF	ACM, Intercept	UNK
Austin MOA	440 NM	F-14/F-16 F-18/A-4 T-2	N60495	VF	ACM, Intercept	UNK
Ranch MOA	445 NM	F-14/F-16 F-18/A-4	N60495	VF	ACM, Intercept	UNK
Desert MOA	310 NM	F-14/F-16 F-18/A-4 E-2	554RS	VF/VAW	ACM, Intercept, Tactics	UNK
Revelle MOA	380 NM	E-2	554RS	VAW	Tactics	UNK
Cedar MOA	420 NM	E-2	554RS	VAW	Tactics	UNK

Alamo MOA	310 NM	E-2	554RS	VAW	Tactics	UNK
VR-249	110 NM	Low level	60259	VF	Visual, Daylight	2,700 hours
IR-266	280 NM	F-14/A-4	Offutt AFB	VF	Visual, daylight, low level, TARPS	2,700 hours
VR-288	70 NM	F-14	22OSS	VF	Visual, daylight, low level, TARPS	2,700 hours
VR-289	60 NM	F-14	22OSS	VF	Visual, daylight, low level, TARPS	2,700 hours
VR-299	70 NM	F-14	22OSS	VF	Visual, daylight, low level, TARPS	8,100 hours
VR-1211	70 NM	F-14	22OSS	VF	Visual, daylight, low level, TARPS	2,700 hours
IR-217	60 NM	F-14	M00300	VF	IFR, low level, TARPS	2,700 hours
IR-250	140 NM	Low level TARPS	60259	VF	IFR	2,700 hours
IR-252	110 NM	Low level TARPS	60259	VF	IFR	2,700 hours
IR-254	140 NM	Low level TARPS	60259	VF	IFR	2,700 hours
IR-255	110 NM	Low level TARPS	60259	VF	IFR	2,700 hours
IR-266	280 NM	F-14/A-4	Offutt AFB	VF	Visual, daylight, low level, TARPS	2,700 hours
IR-1257	35 NM	F-14/A-4	N09520	VF	IFR low level TARPS	2,700 hours

Remarks:

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 ¹	Operating Limitations ²
					# Hours	# Hours	
W-291	110 NM	F-14/F 16 A-4/E-2 C-2/T-34	N09528	1991	131,000	121,500	
				1992	131,000	121,500	
				1993	131,000	121,500	
W-289	110 NM	F-14/F-18	N63126	1991			
				1992			
				1993			
R-2507	220 NM	F-14/F-16 A-4/F-18 T-34	N02231	1991			
				1992			
				1993			
R-2512	110 NM	F-14/T-34 F-18	N-2231	1991			
				1992			
				1993			
R-2301	140 NM	F-14/F-18 F-16/A-4	N02231	1991			
				1992			
				1993			
R-2508	220 NM	F-14/F-16 F-18/A-4	Edwards AFB	1991			
				1992			
				1993			
R-2510	70 NM	F-14/F-18 T-34	Edwards AFB	1991			
				1992			
				1993			

R-2524	150 NM	F-14/F-18 F-16/T-34	Edwards AFB	1991			
				1992			
				1993			
R-4813	480 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	1991	250	240	
				1992	300	290	
				1993	200	190	
R-4804	450 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	1991	550	540	
				1992	660	655	
				1993	520	515	
R-4802	490 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	1991	250	240	
				1992	300	290	
				1993	200	190	
R-4816	460 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	1991	150	140	
				1992	140	135	
				1993	190	180	
R-4810	450 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	1991	150	140	
				1992	140	135	
				1993	190	180	
R-4806	300 NM	E-2	554RS	1991			
				1992			
				1993			

R-4807	320 NM	E-2	554RS	1991			
				1992			
				1993			
R-4808	300 NM	E-2	554RS	1991			
				1992			
				1993	40	35	
R-4809	300 NM	E-2	554RS	1991			
				1992			
				1993	40	35	
Kane MOA	110 NM	F-14/F-16 F-18/A-4 T-2/F-18	N02231	1991			
				1992			
				1993			
Abel MOA	110 NM	F-14/A-4 F-16/T-2 T-34/F-18	N02231	1991			
				1992			
				1993			
Turtle MOA	110 NM	F-14/A-4 F-16/E-2 F-18	N02231	1991	750	675	
				1992	750	700	
				1993	750	690	
Quail MOA	110 NM	F-14/A-4 F-16/E-2 F-18	N02231	1991	750	680	
				1992	750	690	
				1993	750	685	

Gabbs MOA	440 NM	F-14/F-16 F-18/A-4 T-2	N60495	1991			
				1992			
				1993			
Austin MOA	440 NM	F-14/F-16 F-18/A-4 T-2	N60495	1991			
				1992			
				1993			
Ranch MOA	445 NM		N60495	1991			
				1992			
				1993			
Desert MOA	310 NM		554RS	1991			
				1992			
				1993			
Revelle MOA	380 NM		554RS	1991			
				1992			
				1993			
Cedar MOA	420 NM		554RS	1991			
				1992			
				1993			
Alamo MOA	310 NM		554RS	1991			
				1992			
				1993			
VR-249	110 NM	Low level	N60259	1991	2,700	2,430	day/VFR
				1992	2,700	2,430	
				1993	2,700	2,430	

IR-266	280 NM	F-14/F-18 A-4	Offutt AFB	1991			
				1992			
				1993			
VR-288	70 NM	Low level	22OSS	1991	2,700	2,430	
				1992	2,700	2,430	
				1993	2,700	2,430	
VR-289	60 NM	Low level	22OSS	1991	2,700	2,430	
				1992	2,700	2,430	
				1993	2,700	2,430	
VR-299	70 NM	Low level	22OSS	1991	2,700	2,430	
				1992	2,700	2,430	
				1993	2,700	2,430	
VR-1211	70 NM	Low level	22OSS	1991	2,700	2,430	
				1992	2,700	2,430	
				1993	2,700	2,430	
IR-217	60 NM	IFR, low level, TARPS	M00300	1991	2,700	2,430	
				1992	2,700	2,430	
				1993	2,700	2,430	
IR-250	140 NM	IFR, low level, TARPS	N60259	1991	2,700	2,430	
				1992	2,700	2,430	
				1993	2,700	2,400	
IR-252	110 NM	IFR, low level, TARPS	N60259	1991	2,700	2,400	
				1992	2,700	2,400	
				1993	2,700	2,400	

IR-254	140 NM	IFR, low level, TARPS	N60259	1991	2,700	2,400	
				1992	2,700	2,400	
				1993	2,700	2,400	
IR-255	110 NM	IFR, low level, TARPS	N60259	1991	2,700	2,400	
				1992	2,700	2,400	
				1993	2,700	2,400	
IR-266	280 NM	IFR, low level, TARPS	Offutt AAFB	1991	2,700	2,400	
				1992	2,700	2,400	
				1993	2,700	2,400	
IR-1257	35 NM	IFR, low level, TARPS	Offutt AFB	1991	2,700	2,400	
				1992	2,700	2,400	
				1993	2,700	2,400	

Blank data fields indicate requested data not maintained by this command. Utilized values less than scheduled are due weather or unscheduled maintenance.

¹ 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.).

² Provide any comments on operating limitations.

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.

Current airspace assets are adequate. The introduction of rotary wing aircraft will require designating the control tower as a limited approach control facility to provide separation (IFR/VFR/SVFR) between rotary wing and fixed wing aircraft.

12e. Assume that all planned MILCON in PB 1995 (Presidential budget submission) through FY 1997 and BRACON is completed as scheduled. What **additional operating capacity** would be realized? Provide cost and details of all additional capacity calculations.

BRACON requirements for training will be addressed separately by USMC via their headquarters.

12f. What additional projects could be added to provide additional operating capacity? At what estimated cost? Provide details and assumptions for all calculations.

Current airspace assets are sufficient to support operational requirements. There are no known projects planned that would increase the available airspace assets.

12g. List and explain the **limiting factors** that further funding for personnel, equipment, facilities, etc., cannot overcome (e.g., airspace size/availability, AICUZ restrictions, environmental restrictions, land areas).

Residential communities surrounding NAS Miramar and the resulting AICUZ restrictions would mandate the retention of existing fixed wing flight patterns. These flight patterns have been refined to avoid to the maximum extent possible residential areas and these restrictions would continue. Environmental restrictions for land use also apply. Several species of plant and animal life have imposed restrictions on land use on the base.

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.

Historical data indicates the surrounding airspace could support an increase in workload. Operations in excess of 200,000 per year have been recorded. Airspace alignment has not changed significantly since this type of usage was recorded. Operations recorded for FY93 were 144,444. An increase of 75 percent over current operations could be accommodated without significant impact on the surrounding airspace.

13a. For each **ground/water training facilities/ranges/training areas** routinely used by squadrons/units assigned to your installation (regardless of location¹), indicate how many hours per year are required for each user to maintain readiness?

¹ include RON/domestic deployment training

Ground Training Facility	Location/Distance	Types/Uses	Scheduling Authority (UIC)	Squadron/Unit	Training Requirement (types of training)	Yearly Usage Rate (Hrs)
SMALL ARMS RIFLE RANGE	East MIRMR 1.7 MILES	WEAPONS TRAINING	N60259	NAS MIRAMAR SECURITY	SECURITY	1767
SIMULATORS	NAS MIRAMAR	F14/E2	N09425	ASF VF/VAW	FLIGHT	21216
POOL/TK	NAS MIRAMAR	WATER SURV	N00259	ALL SQUAD	WATER SURV.	3,920
SECURITY	M295	SECURITY	N60259	SECURITY	SECURITY	3200

Remarks:

13b. For each **ground/water training facility/range/training area** listed above, complete the following table:

Ground Training Facility	Location/Distance	Types/Uses	Scheduling Authority (UIC)	Fiscal Year	Scheduled	Utilized ¹
					# Hours	# Hours
SMALL ARMS RIFLE RANGE	E.M. 1.7 MILE	WEAPONS TRAINING	N60259	1991	2173	1976
				1992	2307	2097
				1993	1350	1227
SIMULATORS	NAS MIRAMAR	F14/E2	N09425	1991	21670	21296
				1992	22693	22193
				1993	21216	21216
P1/TK	NAS MIRAMAR	WATER SURVIVAL	N00259	1991	3920	3920
P1/TK	NAS MIRAMAR	PHYSIOLOGY	N00259	1992	3920	3920
				1993	3920	3920

¹ 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.).

13c. Assuming that the ground training facility/range/training areas are not constrained by operational funding (personnel support, increased overhead costs, etc.), with the present equipment, physical plant, etc. , what **additional capacity** (beyond scheduled) could be gained? Provide details and assumptions for all calculations.

USMC will provide input through their headquarters.

13d. Assume that all planned MILCON in PB 1995 (Presidential budget submission) through FY 1997 and BRACON is completed as scheduled. What **additional capacity** would be realized? Provide cost and details of all additional capacity calculations.

USMC will provide input through their headquarters.

13e. What additional projects could be added to provide additional operating capacity? At what estimated cost? Provide details and assumptions for all calculations.

USMC will provide input through their headquarters.

13f. List and explain the **limiting factors** that further funding for personnel, equipment, facilities, etc., cannot overcome (e.g., zoning restrictions, lack of available space, etc.).

USMC will provide input through their headquarters.

14a. By facility Category Code Number (CCN), provide the usage requirements for each course of instruction required for all formal schools on your installation. Do not include requirements for maintaining unit readiness, GMT, sexual harassment, etc. Include all applicable 171-XX and 179-xx CCN's.

CCN: 171-10/15/20/35

Type of Training Facility	School	Type of Training	FY 1993 Requirements			FY 2001 Requirements		
			A	B	C	A	B	C
(671) 171-10/20	NAMTRA HGR	A/C MAINT.	678654		271.4K	NOT E 1		
(442) 171-20	SAFETY	SKILLS PRG	7500	4	300K			
(473) 171-20	AVIAT.PHYS.	SKILLS PRG	3120	74	230.8K			
(554) 171-35	AVIAT.PHYS.	SURVL TRAING	4160	37	153.9K			
(657) 171-35	AVAIT.PHYS.	HELIC ESCAPE	3920	37	145K			
(630) 171-15	AIR RESERVE	SKILLS PROG.	310004		552.7K			
(456) 171-20	NAMTRA	C/SR+A/C MAINT	168008		134.4K			
(515) 171-20	NAMTRA	C/SR+A/C MAINT	833004		333K			
(M327)171-10	ARC	C/SR SKILLS PROG.	4500	4	18K			
(E14) 171-15	RESERVES	C/SR SKILLS PROG.	5000	8	40K			
(1300)171-15	MAR. CORPS RESERVE	C/SR+ OPER.	140408		112.3K			

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

Note 1: NAS Miramar will migrate to NAS Lemoore by Apr 97.

The planned migration is scheduled for completion by Q3/Q4 FY 97.

14b. By Category Code Number (CCN), complete the following table for all **training facilities** aboard the installation. Include all 171-xx, 179-xx CCN's.

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.

CCN: 171-10, 171-15, 171-20, 171-35, 179-40, 179-55

Type Training Facility	Total Number	Design Capacity (PN) ¹	Capacity (Student HRS/YR) ²
171-10-ACADEMIC INST.	5	371	293,300
171-15-RESERVE	13	652	705,040
171-20-APPLIED INST.	2	806	946,940
171-35-OPER. TRAIN.	8	18	58,720
179-40-SMALL ARMS RANGE	3	81	81,000
179-55-COMBAT TRNG.	1	80	153,920
PL/TK			

¹ 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.

² Design how the student HRS/YR value in the preceding table was derived..

Multiplied the number of classrooms/ trainer seats by hours available per day/week by one year period to get students hrs/yr.

14c. Assuming that the ground school training facility **is not constrained by operational funding** (personnel support, increased overhead costs, etc.), with the present equipment, physical plant, etc, what additional capacity (in student hours/yr) could be gained? Provide details and assumptions for all calculations.

NONE

14d. List and explain the **limiting factors** that further funding for personnel, equipment, facilities, etc. cannot overcome.

AICUZ Restrictions- Flight paths established by FAA set standards for AICUZ restrictions.
 Enviromental Restrictions- Federal protected vernal pools restrict land use areas.

14e. For facilities with category codes 171-xx, 179-xx, and any other CCN's, provide the amount of adequate, substandard and inadequate **facilities** in terms of square feet and number of students.

Parent UIC	CCN	Facility Type	Adequate		Substandard		Inadequate		Total	
			SF	PN	SF	PN	SF	PN	SF	PN
N60259	171-10	TRAINING CLASSROOM	8,976	561	3,060	191	900	56	12,936	808
N60259	171-20	TRAINING APPLIED	234,998	1879	4530	30			239,528	1,909
N60259	171-35	TRAINING OPERATION	76,692	37	459				77,151	37

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.

900 SF of Category 1 Code 171-10 is inadequate due to deterioration of the building structure. All categories are being used for classroom training. No engineering evaluations have been accomplished, therefore costs to remove the deficiencies are unknown at this time. No programmed projects are planned to remove these deficiencies.

SHIP BERTHING CAPACITY

15a. 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:

Pier/Wharf & Age ¹	CCN ²	Moor Length (ft)	Design Dredge Depth ³ (ft) (MLLW)	Slip Width ⁴ (ft)	Pier Width (ft) ⁵	CIA/Security Area? (Y/N) ⁶	ESQD Limit ⁷	# Days OOS for maint.
N/A								

¹Original age and footnote a list of MILCON improvements in the past 10 years.

²Use NAVFAC P-80 for category code number.

³Comment if unable to maintain design dredge depth

⁴Water distance between adjacent finger piers.

⁵Indicate if RO/RO and/or Aircraft access. Indicate if on-pier structure limits open pier space.

⁶Describe the additional controls for the pier.

⁷Net explosive weight. List all ESQD waivers that are in effect with expiration date.

15b. For each **Pier/Wharf** at your facility list the following ship support characteristics:

Pier/Wharf	OPNAV 3000.8 (Y/N)	Shore Pwr (KVA) & 4160V (KVA)	Comp. Air Press. & Capacity ¹	Potable Water (GPD)	CHT (GPD)	Oily Waste ¹ (gpd)	Steam (lbm/hr & PSI) ²	Fendering limits ³
N/A								

¹List only permanently installed facilities.

²Indicate if the steam is certified steam.

³Describe any permanent fendering arrangement limits on ship berthing.

15c. 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.

Pier/ Wharf	Typical Steady State Loading ¹	Ship Berthing Capacity	Ordnance Handling Pier Capacity ²	IMA Maintenance Pier Capacity ³
N/A				

¹Typical pier loading by ship class with current facility ship loading.

²List 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.

³List 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.

15d. For each pier/wharf listed above, based on Presidential Budget 1995 budgeted infrastructure improvements in Presidential Budget 1995 through FY1997 and the BRAC 91 and 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.

Pier/ Wharf	Typical Steady State Loading ¹	Ship Berthing Capacity	Ordnance Handling Pier Capacity ²	IMA Maintenance Pier Capacity ³
N/A				

¹Typical pier loading by ship class with current facility ship loading.

²List 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.

³List 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.

15e. 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. N/A

15f. What is the average pier loading in ships per day due to visiting ships at your base. Indicate if it varies significantly by season. N/A

15g. 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. N/A

15h. Describe any unique limits or enhancements on the berthing of ships at specific piers at your base. N/A

FACILITIES

16a. 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 A/D	135	32	113	167	248
E-2	35	4	26	39	61
F-16	13	18	21	31	34
A-4	8	1	21	9	29
F-18	13	6	17	19	30
C-2	2	0	1	2	3
T-34	2	0	5	2	7

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.

NAS Miramar hangar designations are as follows:

- Hangar 1: F-14A, F-14D, F-16, A-4
- Hangar 2: F-18, F-14D
- Hangar 3: F-14A, F-14D, T-34
- Hangar 4: F-14A, F-14D
- Hangar 5: F-14A, E-2C
- Hangar 6: E-2C

CRITERIA: NAVFAC P-80, pages 113-1 through 113-114, refers to a three-step method used in determining the apron requirement: 1) identify the number of aircraft parking spaces required, 2) layout the spaces, and 3) provide for the peripheral taxiways. The quantity of aircraft supported by this activity BFR is reduced to reflect deployed squadrons, and aircraft inside the maintenance hangars. Spacing of aircraft is based on Figure 113-20A, and Tables 113-20A and 20B, on pages 113-4 and 113-7 through 10. The standard Peripheral Taxilane width is 150 feet as identified on page 113-2 of NAVFAC P-80.

Parking Space Requirements per P-80

<u>Aircraft</u>	<u>Mix/Ratio</u>	<u>Space Required</u>
F-14 A/D	64%	1,778 SY
E-2	17%	1,985 SY
F-18	6%	1,080 SY
F-16	6%	865 SY
A-4	5%	713 SY
C-2	1%	1,985 SY
T-34	1%	570 SY

Additional NAVFAC parking spaces were determined as follows:

<u>TYPE OF A/C</u>	<u>CURRENT # A/C</u>	<u># HANGAR SPACES</u>	<u># APRON SPACES REQ.</u>	<u># OF APRON SPACES AVAIL</u>	<u>NAVFAC ADD. SPACES AVAIL.</u>
	A	B	C=(A-B)	D	E=(D-C)
F-14 A/D	135	38	97	129	32
E-2	35	15	20	24	4
F-16	13	2	11	29	18
A-4	8	1	7	8	1
F-18	13	6	7	13	6
C-2	2	0	2	2	0
T-34	2	0	2	0	0

Additional surge parking space will be received at the operations parking area plus at excess parking apron areas while maintaining current mix/ratio of A/C.

Excess parking apron area

P-164 inventory total: 590,978 SY
 BFR total: 345,604 SY (Based on current no. of
 245,374 A/C multiplied by their
 respective space required.)

Excess parking apron: 245,374 SY
 Operations parking area: 67,794 SY
 Area available for added surge: 313,168 SY

Additional surge capacity was calculated as follows:

(Example: F-14 A/D)

$$313,168 / 1778 \text{ SY (BFR)} \times 64\% \text{ (mix/ratio)} = 113 \text{ A/C}$$

Total surge capacity was calculated by adding the current number of A/C to the additional surge capacity.

Example: F-14 A/D

$$135 \text{ (current onboard)} + 113 \text{ (added surge)} = 248 \text{ surge total}$$

16b. List current **usage of parking apron area** in SF, being used by the following categories of Squadron/Aircraft. The six categories listed correspond to the categories described above in questions 5 ,6, 7, 8, 9, and 10. Category Code Number (CCN) from P-80. Provide an estimate for FY 2001.

Parking Apron Location/ Designator	Apron Area in SF (CCN 113-20) and Apron Access Area in SF (CCN 113-40)						
	Active SQD/Det A/C	Reserve SQD/Det A/C	USN/USMC Station A/C	DoD or non-DoD A/C	Other USN(R) USMC(R), DoD/non-DOD	Other units not covered and transient A/C	
HGR 1	1193K		USN	DOD			
HGR 2	700K		USN	DOD			
HGR 3	550K		USN	DOD			
HGR 4	700K		USN	DOD			
HGR 5		400K		DOD	USNR		
HGR 6	720K		USN	DOD			
OPS	600K		USN	DOD			
Column totals	4463K	400K					¹ 4863K

¹ Grand total

16c. Assume that all planned MILCON in PB 1995 (Presidential budget submission) through FY 1997 and BRACON is completed as scheduled. What **additional parking capacity** would be realized? Provide cost and details of all additional capacity calculations.

USMC will provide input through their headquarters.

16d. What additional projects could be added to provide parking space? At what estimated cost? Provide details and assumptions for all calculations.

USMC will provide input through their headquarters.

16e. List and explain the **limiting factors** that further funding for personnel, equipment, facilities, etc., cannot overcome (e.g., AICUZ restrictions, environmental restrictions, land areas, etc.).

- a. Environmental Restrictions- Federal protected vernal pools restrict land use areas.
- b. AICUZ Restrictions- Flight paths established by FAA set standards for AICUZ restrictions.

17a. List the **hangars** at the air station. Identify by (P-80) type, year built, dimensions.

Hangar ID/#	Type I, II or (O)ther	Year Built	Hangar Deck Dimensions	Limiting Height	Current Usage	In SF			
						Adequate	Substandard	Inadequate	Total
H-1/K-215	I	1952	484'x260'	57'	Maint. Hgr.		167,234		167,234
H-2/K-277	I	1957	541'x242'	49'	Maint. Hgr.	200	153,128		153,328
H-3/500	I	1969	677'x128'	43'	Maint. Hgr.		114,776		114,776
H-4/470	I	1965	642'x160'	40'	Maint. Hgr.	122,325			122,325
H-5/570	I	1976	320'x131	38'	Maint. Hgr.	57,945			57,945
H-6/670	I	1978	674'x145'	45'	Maint. Hgr.		128,060		128,060

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.

17b. For each **hangar** provide **space allocation** information listed in table below. Indicate if OPS/ADMIN space is in a non-contiguous building, Provide subtotal for each hangar.

Hangar #/ID/Type	SQD/Mod# Assignment	Ops + Admin Spaces SF/Module	Maint Shops SF/Module (O Level)	Hangar Deck SF/Module	A/C Line parking spaces ^{2,3}		
					#/Module	SF	Elec. Pwr.
K-215 H-2	VFC13/NO. MOD	1,354	15,872	26,067	6 N	26,067	Y

	VF11/ A MOD	1,354	15,872	26,067	3 A	26,067	Y
	VF31/ B MOD	1,354	15,872	26,067	3 B	26,067	Y
K-277 H-1	NFWS/ NO. MOD	17,096	17,976	41,591	5 N	41,591	Y
	VF2/ A MOD	17,096	17,976	41,591	4 A	41,591	Y
500 H-3	VF124/ A,B MOD	15,388	15,350	26,649	6 A,B	26,649	Y
	VF51/ C MOD	7,694	7,675	13,324	3 C	13,324	Y
	VF111/ D MOD	7,694	7,675	13,324	3 D	13,324	Y
470 H-4	VF211/ A MOD	5,057	17,749	13,324	3 A	53,299	Y
	VF24/ B MOD	5,057	17,749	13,324	3 B	13,324	Y
	FTRG/ C MOD	5,057	17,749	13,324	3 D	13,324	Y
	VF213/ D MOD	5,057	17,749	13,324	3 C	13,324	Y
570 H-5	VF301/ A MOD	5,267	5,120	8,928	2 A	8,928	Y
	VAW88/ B MOD	5,267	5,120	8,928	1 B	8,928	Y
	VF302/ C MOD	5,267	5,120	8,928	2 C	8,928	Y
670 H-6	VAW117/ AA MOD	4,337	4,376	9,541	2 AA	9,541	Y
	VAW110/ A,B MOD	8,675	8,752	19,083	4 A,B	19,083	Y
	VAW114/ C MOD	4,337	4,376	9,541	2 C	9,541	Y
	VAW113/ D MOD	4,337	4,376	9,541	2 D	9,541	Y

	VAW112/ E MOD	4,337	4,376	9,541	2 E	9,541	Y
	VAW116/ F MOD	4,337	4,376	9,541	2 F	9,541	Y
TOTAL		172,272	207,261	361,558		361,558	Y

¹ Provide which SQD/Det was assigned to the specific module at receipt of this Data Call. (i.e., VFA-15, Hgr 1, Mod C)

² Dedicated aircraft parking spaces per Module and total square feet (SF) of A/C line parking spaces

³ Are there A/C line parking spaces supported by permanently installed electric power? (Y/N)

Note: All OPS/Admin spaces are contiguous to the hangar.

17c. Assume that all planned MILCON in PB 1995 (Presidential budget submission) through FY 1997 and BRACON is completed as scheduled. What **additional hangar capacity** would be realized? Provide cost and details of all additional capacity calculations.

USMC will provide input through their headquarters.

17d. What additional projects could be added to provide more hangar space? At what estimated cost? Provide details and assumptions for all calculations.

USMC will provide input through their headquarters.

17e. List and explain the **limiting factors** that further funding for personnel, equipment, facilities, etc., cannot overcome (e.g., AICUZ restrictions, environmental restrictions, land areas, lack of expansion space, etc.).

a. Environmental Restrictions- Federal protected vernal pools restrict land use areas.

b. AICUZ Restrictions- Flight paths established by FAA set standards for AICUZ restrictions.

17f. List all **squadrons/detachments** normally homeported 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
NONE		

17g. List all **squadrons/detachments** normally homeported 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
VF-11	10-F14D	3 A
VF-31	10-F14D	3 B
VAW-113	4-E2C	2 D

17h. 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:

1. Using NAVFAC P-80 standard measures
2. Using real world planning factors to accomodate 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	NAVFAC	Surge
E2/C2	14	0	0	14	14
F-18	7	0	0	7	7
F-16	13	2	2	15	15
F-14	48	0	0	48	48
A-4	7	0	0	7	7

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.

Calculations based on NAVFAC P-80
 Only additional hangar space is for 2 F-16s in hangar 2.

18. 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	21,995			21,995	2	78
211-02	Nose Hangar	NONE					
211-03	Corrosion Control Hangar	NONE					
211-75	Parachute/Survival Equipment Shop	8250			8250	1	54
211-81	Engine Test Cell	23,280			11,640	4	74/88
211-88	Power Check Pad with Sound Suppression						
211-89	Power Check Pad without Sound Suppression	2 EA			2 EA	2	78
211-96	Maintenance, Aircraft Spares Storage	162	5471			3	71
116-10	Airfield Washrack Pavement	117,207			117,207	8	53
116-15	Aircraft Rinse Facility	4,752			4,752	1	72
214-30	Refueling Vehicle Shop						
218-60	Aircraft Ground Support Equipment	2,579	23,018	7920	33,517	5	67
	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.

Inadequate Facility: Bldg. 478- Def Code D30- Siting/Location

According to NAVFACINST 11010.44E, this type of facility should be located in the immediate vicinity of the hangars. The building is across the street from the hangars, outside of the flightline security area and inside another fenced-in complex, which makes it inadequate. A reevaluation could be done to use for storage, garage, or other type of shop. There are no plans to remove this deficiency by any project.

19c. Assume that all planned MILCON in PB 1995 (Presidential budget submission) through FY 1997 and BRACON is completed as scheduled. What **additional maintenance capacity** would be realized? Provide cost and details of all additional capacity calculations.

NONE

19d. What additional projects could be added to provide additional maintenance capacity? At what estimated cost? Provide details and assumptions for all calculations.

Construct Projects P 266 GSE Complex \$8.3M and P349 Armament Equipment Repair Facility \$3.0M. Present Support Equipment complex is inadequate to support current flight operations. A significant amount of equipment is maintained and stored outside due to limited shop floor space. New complex will not only provide more shop space but also drastically increase covered storage. Armament Repair now done in cramped maintenance spaces. Armament Equipment Pool stored in Supply warehouse. Twenty percent of daily manhours spent moving equipment between two locations, approximately 300 yards apart, to facilitate repair actions.

19e. List and explain the **limiting factors** that further funding for personnel, equipment, facilities, etc., cannot overcome (e.g., AICUZ restrictions, environmental restrictions, land areas, etc.).

NONE

20a. 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	10,400			10,400	9
124-30	Fuel Storage	GA	2,450,000	368,000		2,818,000	14
421-xx	Ammunition Storage	CF/TONS	451,025			451,025	20
425-xx	Open Ammunition Storage	SF					
113-20	Parking Aprons	SY	494,703	81,027	15,218	545,130	5
113-40	Access Aprons	SY	17,654			17,654	3
116-56	Combat Aircraft Ordnance Loading Area	SY		4,050		4,050	1
	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.

Inadequate Facility: CCN113-20, Parking aprons.

Parking apron deficiency Code C35: design criteria, asphalt. Concrete in this area is unable to support heavy aircraft; it is used for light aircraft. No engineering evaluation has been done to indicate a change in use. There are no plans to remove the deficiency.

20b. Assume that all planned MILCON in PB 1995 (Presidential budget submission) through FY 1997 and BRACON is completed as scheduled. What **additional operating capacity** would be realized? Provide cost and details of all additional capacity calculations.

USMC will provide input through their headquarters.

20c. What additional projects could be added to provide additional operating capacity? At what estimated cost? Provide details and assumptions for all calculations.

USMC will provide input through their headquarters.

20d. List and explain the **limiting factors** that further funding for personnel, equipment, facilities, etc., cannot overcome (e.g., environmental restrictions, land areas, etc.).

USMC will provide input through their headquarters.

21d. List **off base storage areas** utilized due to lack of sufficient storage facilities on station to support aviation support unit equipment/supplies storage needs.

Squadron/Det	Storage: (O)pen or (C)overed	Laydown: SF	Location	Navy (O)wned or (L)eased
NONE				

22. In the following table, indicate the space and condition for each **specific facility** category codes indicated. 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.

Building Type	NAVFAC (P-80) CCN	Installation space (SF)			
		Adequate	Substandard	Inadequate	Total
Production Facilities	220-xx	1,940	11,102		13,042
RDT & E Facilities	300-xx	44,490		15,708	60,198
Supply Facilities	400-xx	278,924	99,233	118,346	496,503
Hospital, Medical, Dental	500-xx	9,211	56,545		65,756
Administrative Facilities	600-xx	153,147	103,299	55,632	312,078
Utilities/Grounds Improvements	800-xx	2,851,986	817,123	1,731	3,670,840
	TOTAL	3,339,698	1,087,302	191,417	4,618,417

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 following list of facilities is inadequate according to the respective deficiency codes, and facilities are used for their assigned CCN use. No engineering evaluation has been done to change the use or replace them. There are no current plans or projects to remove deficiencies. For deficiency codes refer to NAVFACINST 11010.44E.

<u>INADEQUATE BLDGS.</u>	<u>DEFICIENCY CODE</u>	<u>CCN</u>
2018 Guided missile lab	F30	31210
2020 " " "	F30	31210
530 Magazine	D30	42112
528 "	D30	42135
529 "	D30	42135
527 "	D30	42135
E91 Warehouse	F30	44110
E135 "	A30	44110
E137 "	A30	44110
487 Haz/Flam Strg	D30	44130
488 " "	D30	44130

489	"	"	D30	44130
492	"	"	D30	44130
333	Stor. Shed		A30	44135
E291	"	"	F30	44135
M245	Admin Office		A30	61010
2003	"	"	A30	61010
2004	"	"	A30	61010
M295	"	"	C45,F30	61010
M312	"	"	C45,F30	61010
K223	"	"	D30	61010
M326	"	"	C45	61010
M327	"	"	C45	61010
E15	"	"	A04,A39,D37	61010
M325	Admin Office		F30,C45	61010
E297	Heating Plant		F30	82109
E12	Water Dist. Bldg.		F30	84209
2012	"	"	F30	84209
342	Vehicular Bridge		F30	85120

23a. Provide the following information on **base infrastructure capacity** and load.

	On Base Capacity	Off base long term contract	Normal Steady State Load	Peak Demand
Electrical Supply (KWH)	12,000	NONE	8,000	9,700
Natural Gas (CFH)	40,000	NONE	9,000	20,000
Sewage (GPD)	1,700,000	NONE	560,000	900,000
Potable Water (GPD)	2,000,000	NONE	700,000	1,200,000
Steam (PSI & lbm/Hr)	75 PSI 120,000	NONE	25,000 70PSI	50,000 70PSI
Long Term Parking (SY)	818,521	NONE	654,817	818,521
Short Term Parking (SY)	8,228	NONE	6852	8228

23b. Does the current base infrastructure (i.e., utilities, parking), combined with any upgrades/expansions budgeted through FY1997, or BRACON scheduled through FY1999 provide additional capacity? Explain what additional capacity would be gained.

ELEC- 12 MVA added by Marine BRAC in FY 96

GAS- 4,000 CFH for conversion from central steam to satellite boilers FY 95

23c. How will future requirements (both environmental and base loading) on existing facilities (i.e. sewage treatment, water treatment, etc) impact the base infrastructure capacity in FYs 1995 through FY2001? Explain, including an estimate of the adjusted future capacity.

USMC will provide input through their headquarters.

24. Provide the **maintenance, repair, and equipment expenditure data**. Project expenditures to FY97. Do not include data on Detachments who have received this Data Call directly. The following definitions apply:

MRP: Maintenance of Real Property Dollars is a budgetary term used to gather the expenses or budget requirements for facility work including recurring maintenance, major repairs, and 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.

CPV: Current Plant Value of Class 2 Real Property is 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.

ACE: Aquisition Cost of Equipment is the total 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.

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Fiscal Year	MRP (\$M)	CPV (\$M)	ACE (\$M)
FY1985	6.34	531	
FY1986	5.66	541	.4
FY1987	5.63	546	.5
FY1988	5.89	561	.9
FY1989	6.43	581	.9
FY1990	6.59	593	1.7
FY1991	8.43	641	.8
FY1992	7.46	556	1.4
FY1993	6.57	582	2.2
FY1994	5.18		.5
FY1995			.2
FY1996			.4
FY1997			0

25a. Provide data on the BOQs and BEQs assigned to your current plant account. The desired unit of measure for this capacity is people housed. Use CCN to differentiate between pay grades, i.e., E1-E4, E5-E6, E7-E9, CWO-O2, O3 and above.

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ 639 72112	96	48			96	22,197		
BEQ 640 72112	56	28			56	11,378		
72113	56	56			56	22,755		
BEQ M303 72111	69	28					69	14,615

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:

- a. FACILITY TYPE/CODE: BEQ 72111
- b. WHAT MAKES IT INADEQUATE?
 - (1) F30 = Total obsolescence or deterioration/building or structure (total)
 - (2) C45 = Design criteria/seismic design
- c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6
- d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
Unknown.
- e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? Unknown.
- f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None.
As compared with a PRV of \$1,586,800, the CWE of NAS Miramar O&M,N project R29-84 to modernize the building to current standards for existing BQ inventory is \$2,360,600.
- g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M301 72111	70	28					70	14,615

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
As compared with a PRV of \$1,586,800, the NAS Miramar AIS items for M301 total \$12,400 since it was modernized in 1991. No examination has been made into what would be involved to upgrade the building to current standards for existing BQ inventory, but it would probably be similar to that of other current 28-room BEQ's since criteria for even modernized BEQ's are so much higher than BEQ M30 configuration and features.

g. Has this facility condition resulted in C3 or C4 designation on your BASEREP? Yes,
C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M302 72111	70	28					70	14,615

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
As compared with a PRV of \$1,586,800, the NAS Miramar AIS items for M302 total \$18,000 since it was modernized in 1991. No examination has been made into what would be involved to upgrade the building to current standards for existing BQ inventory, but it would probably be similar to that of other current 28-room BEQ's since criteria for even modernized BEQ's are so much higher than BEQ M302 configuration and features.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M300 72111	70	28					70	14,615

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

- (1) F30 = Total obsolescence or deterioration/building or structure (total)
- (2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
As compared with a PRV of \$1,586,800, the NAS Miramar AIS items for M300 total \$11,600 since it was modernized in 1991. No examination has been made into what would be involved to upgrade the building to current standards for existing BQ inventory, but it would probably be similar to that of other current 28-room BEQ's since criteria for even modernized BEQ's are much higher than BEQ M300 configuration and features.

g. Has this facility condition resulted in C3 or C4 designation on your BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M299 72111	70	28					70	14,615

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

- (1) F30 = Total obsolescence or deterioration/building or structure (total)
- (2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF THE FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
Unknown

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? Unknown

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: None. As compared with a PRV of \$1,557,200, the NAS Miramar AIS items for M299 total \$11,600 since it was modernized in 1991. No examination has been made into what would be involved to upgrade the building to current standards for existing BQ inventory, but it would probably be similar to that of other current 28-room BEQ's since criteria for even modernized BEQ's are so much higher than BEQ M299 configuration and features.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M298 72111	69	27					69	14,615

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

- (1) F30 = Total obsolescence or deterioration/building or structure (total)
- (2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None As compared with a PRV of \$1,586,800, the CWE of NAS Miramar O&M,N project R10-84 to modernize the building to current standards for existing BQ inventory is \$2,360,600.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M297 72111	39	16					39	9.052
72140	40	Open Bay 1					40	5,563

a. FACILITY TYPE/CODE: BEQ 72111 and 72140

b. WHAT MAKES IT INADEQUATE?

- (1) F30 = Total obsolescence or deterioration/building or structure (total)
- (2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6 (CCN 72111). Berthing for restricted personnel (CCN 72140).

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD? Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None As compared with a PRV of \$1,625,600, the NAS Miramar AIS items for M297 total \$60,400 since it was modernized in 1991. No examination has been made into what would be involved to upgrade the building to current standards for existing BQ inventory, but it would probably be similar to that of other current 28-room BEQ's since criteria for even modernized BEQ's are much higher than BEQ 297 configuration and features.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M296 72111	67	26					67	14,615

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?

Unknown.

e. What OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?

Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
As compared with a PRV of \$1,586,800, the CWE of NAS Miramar O&M,N project R16-84 to modernize the building to current standards for existing BQ inventory is \$2,360,600.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M295 72111	53	19					53	11,228

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for NAS Miramar Security Detachment personnel, E1-E6. (The remaining 3,387 SQ FT of the facility are used as armory, training material storage and administrative office for Security Department.)

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
As compared with a PRV of \$1,581,900, the CWE of NAS Miramar O&M,N project R14-84 to modernize the building to current standards for existing BQ inventory is \$2,181,700.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M304 72111	72	29					72	14,747

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

- (1) F30 = Total obsolescence or deterioration/building or structure (total)
- (2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy Selected Reservists (SELRES) on weekend training or on Active Duty for Training (ACDUTRA), E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
As compared with a PRV of \$1,601,200, the CWE of NAS Miramar O&M,N project R4-84 to modernize the building to current standards for existing BQ inventory is \$2,360,300.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BOQ M312 72411	15	15					15	8,206
72412	66	66					66	58,510

a. FACILITY TYPE/CODE: BOQ 72411 and 72412

b. WHAT MAKES IT INADEQUATE?

- (1) F30 = Total obsolescence or deterioration/building or structure (total)
- (2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for permanent party and transient officers and equivalent civilian personnel; also, Front Desk/Hospitality Center and other office space for centralized BEQ/BOQ operations

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
As compared with a PRV of \$7,957,900 the CWE of NAS Miramar O&M,N project RCM7-87 to modernize the building is \$969,800; the Step II for this project was written in late 1992 before current standards for BOQ were developed, so this figure underestimates the cost to modernize.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BOQ M325	56	56					56	39,292

a. FACILITY TYPE/CODE: BOQ 72412

b. WHAT MAKES IT INADEQUATE?

- (1) F30 = Total obsolescence or deterioration/building or structure (total)
- (2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for permanent party and transient officers and equivalent civilian personnel; also, 1,152 SQ FT is used a administrative storage for Chaplain

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
As compared with a PRV of \$4,478,200 the CWE of NAS Miramar O&M,N project R7-93 to modernize the building to current standards is \$2,005,200

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M328 72111	130	48 Rooms & 2 Open Bays					130	28,424

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

- (1) F30 = Total obsolescence or deterioration/building or structure (total)
- (2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
Capacity of 130 assumes the two open bays have been converted into rooms. As compared with a PRV of \$3,086,200, the CWE of NAS Miramar O&M,N project R16-85 to modernize the building to current standards for existing BQ inventory is \$2,885,800.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M329 72111	130	48 Rooms & 2 Open Bays					130	28,424

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY?

Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?

Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
Capacity of 130 assumes the two open bays have been converted into rooms. As compared with a PRV of \$3,086,200, the CWE of NAS Miramar O&M,N project R17-85 to modernize the building to current standards for existing BQ inventory is \$2,680,500.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M331 72111	130	65					130	28,425

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy Fleet Aviation Replacement Program (FRAMP) students, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
As compared with a PRV of \$3,086,300, the CWE of NAS Miramar O&M,N project R19-85 to modernize the building to current standards for existing BQ inventory is \$2,885,800.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ 381 72111	72	37					72	16,829

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
As compared with a PRV of \$1,827,200, the CWE of NAS Miramar O&M,N project R19-84 to modernize the building to current standards for existing BQ inventory is \$1,841,000.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ 382 72111	72	37					72	16,829

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

- (1) F30 = Total obsolescence or deterioration/building or structure (total)
- (2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
As compared with a PRV of \$1,827,200, the CWE of NAS Miramar O&M,N project R20-84 to modernize the building to current standards for existing BQ inventory is \$1,841,000.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ 383 72111	74	38					74	16,829

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

- (1) F30 = Total obsolescence or deterioration/building or structure (total)
- (2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None.
As compared with a PRV of \$1,827,200, the CWE of NAS Miramar O&M,N project R21-84 to modernize the building to current standards for existing BQ inventory is \$1,841,000.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ 384 72111	71	37					71	16,829

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

- (1) F30 = Total obsolescence or deterioration/building or structure (total)
- (2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST? Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
As compared with a PRV of \$1,827,200, the CWE of NAS Miramar O&M,N project R22-84 to modernize the building to current standards for existing BQ inventory is \$1,788,400.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ 532 72111	96	48			96	19,728		
BEQ 533 72111	96	48			96	19,728		
BEQ 534 72111	96	48			96	19,728		
BEQ 535 72111	96	48			96	19,728		
BEQ 536 72111	96	48			96	19,728		
BEQ 537 72111	96	48			96	19,728		
BEQ 697 72111	192	96	192	30,385				
BEQ 698 72111	324	162	324	56,321				

25b. Provide data on the BOQs and BEQs projected to be assigned to your plant account in FY 1997. The desired unit of measure for this capacity is people housed. Use CCN to differentiate between pay grades, i.e., E1-E4, E5-E6, E7-E9, CWO-O2, O3 and above.

a. We have no authoritative information of approved BQ MILCON for Miramar, so 25b data is the same as FY94 data provided as item 25a.

25c. What **additional BOQ/BEQ requirements**, if any, in FY 2001 have been identified as a result of BRAC I, II, & III and non-BRAC realignments, which are not reflected in the table above.

a. The items 25a. and 25b. report assets, not requirements. USMC BRAC FY95 MILCON P-002T for 2,525 E1-E4, 282 E5 and 100 E6-E9 proposes additional assets. No USMC/BRAC MILCON has been identified for BOQ although there is only inadequate BOQ in the inventory and there is a programming deficit of around 100 W2-O2 and 160 O3 and above.

b. Prior to BRAC III, the Final Determination of Bachelor Housing Requirements (FACSO RPT SYM/NO 7300/R9201R19-1) included the following projections for FY98:

Line.	Description.	W1-O2	O3-O10	TOT.OFF	E1-E4	E5-E6	E7-E9	TOT ENL
(28)	Total effective base housing requirement	235	341	576	2261	853	96	3210
(29)	Total program limit	221	329	550	2162	800	91	3058
(30)	Adequate base housing assets	145	170	315	1092	648	99	1839
(31)	Military control				1092	152	56	1300
(32)	Existing adequate				516			516
(33)	Funded prior years							
(34)	FY94 program to Congress							
(35)	Substandard				576	152	56	784
(36)	Private housing	145	170	315		496	43	539
(37)	Total effective deficit	90	171	261	1169	205	3-	1371
(38)	Total program deficit	76	159	235	1070	152	8-	1214

c. Post-BRAC projections in this format aren't expected until the preliminary R19's run. NAVFACNOTE 11101 of 27 May 93 scheduled NAVFAC to distribute them 15 Mar 94, but none has been received at NAS Miramar.

26a. For military married **family housing** assigned to your plant account provide the following information:

Type of Quarters	Number of Bedrooms	Total number of units	Number Adequate	Number Substandard	Number Inadequate
Officer	4+	0			
Officer	3	0			
Officer	1 or 2	0			
Enlisted	4+	0			
Enlisted	3	0			
Enlisted	1 or 2	0			
Mobile Homes		0			
Mobile Home lots		0			

(Note : All married family housing located on board NAS Miramar is on the PWC San Diego plant account.)

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:

- a. FACILITY TYPE/CODE:
- b. WHAT MAKES IT INADEQUATE?
- c. WHAT USE IS BEING MADE OF THE FACILITY?
- d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
- e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?
- f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING:
- g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP?

26b. What **additional family housing requirements**, if any, in FY 2001 have been identified as a result of BRAC I, II, III and non-BRAC realignments?

There are currently no FY2001 family housing requirement programming recommendations as result of BRAC I, II, III, or non-BRAC realignments.

27. For personnel assigned to your base and tenant activities who live in **government quarters other than yours**, within the commuting area, indicate the plant account holder UIC for their quarters.

All Navy family housing in the San Diego area is on the PWC San Diego plant account. Their UIC is 63387.

28a. Provide data on the messing facilities assigned to your current plant account.

Facility Type, CCN and Bldg. #	Total Sq. Ft	Adequate		Substandard		Inadequate		Avg # Noon Meals Served
		Seats	Sq Ft	Seats	Sq Ft	Seats	Sq Ft	
M305 72210	58,614	638	12,610					1,284

28b. Provide data on the messing facilities projected to be assigned to your plant account in FY 1997.

Facility Type, CCN and Bldg. #	Total Sq. Ft.	Adequate		Substandard		Inadequate		Avg # Noon Meals Served
		Seats	Sq Ft	Seats	Sq Ft	Seats	Sq Ft	
M305 72210	58,614	638	12,610					1,284

a. We have no authoritative information of changes. 28b. is the same as FY94 data provided as item 28a.

28c. What additional messing requirements, if any, in FY2001 have been identified as a result of BRAC I, II, and III and non-BRAC realignments, which are not included in the table above.

a. No USMC/BRAC Milcon has been identified for this facility.

29a. Real Estate Resources. Identify in the table below the real estate resources which have the potential to facilitate future development and for which you are the plant account holder 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. 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" areas that are 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).

Real Estate Resources

Site Location: MIRAMAR

Land Use	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Maintenance	160	129		33
Operational	1085	767	174	144
Training	15108	150	8500	6458
R & D	40	40	0	0
Supply & Storage	119	51	0	68
Admin	150	21	0	129
Housing	80	80	0	5
Recreational	2,023	283	1676	64
Navy Forestry Program	7.25	7.25	0	0
Navy Agricultural Outlease Program	427.89	427.89	0	0
Hunting/Fishing Programs	5.1	5.1	0	0
Other	4140	4140	0	0
Total:	23,185.24	5977.24	10,350	6858

29b. Identify the features of this air station that make it a strong candidate for basing/training other types of aircraft/aircrews and other operational units in the future.

- This station has two active runways and one emergency runway.
- Limited room for expansion.
- Proximity to other military stations and training facilities areas.
- Proximity to the community/city.
- Free landfill tipping fees at on-base landfill operated by the city
- Few destructions in accident potential zones.
- Good stewards of the environment, coexisting hrmoniously with wetlands (vernal pools) and endangered plants and animals.

30. WEAPONS AND MUNITIONS: Please answer the following questions if your activity performs any stowage or maintenance on any of the following ordnance commodity types:

ORDNANCE COMMODITY TYPES		
Mines	Expendables	LOE: Rockets
Torpedoes	INERT	LOE: Bombs
Air Launched	CADS/PADS	LOE: Gun Ammo (20mm-16")
Threat	Strategic Nuclear	LOE: Small Arms (up to 50 cal.)
Surface Launched	Tactical Nuclear	LOE: Pyro/Demo
Threat		Grenades/Mortars/Projectiles

30a. 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).

T o t a l F a c i l i t y O r d n a n c e S t o w a g e S u m m a r y

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM RATED CAPABILITY	
	Tons	SQ FT	Tons	SQ FT	Tons	SQ FT
Main Base						
403	0.0	0	Predicted Inventory and projected upgrades will be submitted by USMC BRAC Office		20.0	209
404	5.0	600		7.5	1218	
527	0.8	100		7.5	456	
528	5.0	300		7.5	500	
529	0.0	0		7.5	500	
530	0.1	20		7.5	140	
605	2.0	300		140.0	1400	

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM RATED CAPABILITY	
	Tons	SQ FT	Tons	SQ FT	Tons	SQ FT
648	4.5	600			200.0	2170
M237	45.0	1500			125.0	9000
East Miramar						
K237	3.3	90	Predicted Inventory and projected upgrades will be submitted by USMC BRAC Office		7.5	140
K238	5.4	105		7.5	140	
K239	0.3	20		35.0	500	
K240	0.4	50		125.0	1250	
K241	118.0	1150		125.0	1250	
K242	43.0	500		125.0	1250	
K243	92.0	550		125.0	1250	
K244	1.3	90		125.0	1250	
K245	7.1	120		125.0	1250	
K246	88.0	600		125.0	1250	
K247	14.0	170		125.0	1250	
K248	48.0	700		125.0	1250	
K249	25.0	320		125.0	1250	
TOTAL	503.7	7285				1822.5

Remarks: Maximum Rated Capability is total storage weight not explosive weight.

30b. 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.

Total Facility Ordnance Stowage Summary

2

Facility Number/Type	Currently Stowed Commodity Type(s)	Reason for Stowage at your Activity	Commodity Type(s) Which Can Be Stowed
Main Base			
403 /S	None	N/A	Inert
404 /Z	3	Trng Stock	1-7, 10-15
527 /F	3	Trng Stock	1-7, 10-15
528 /F	12	Trng Stock	1-7, 10-15
529 /F	13	Trng Stock	1-7, 10-15
530 /H	14	Trng Stock	1-7, 10-15
605 /R	7,12,13	Trng Stock	7,12,13
648 /S	6	Trng Stock	6
M237 /S	6	Trng Stock	6
East Miramar			
K237 /H	11	Trng Stock	1-7, 10-15
K238 /H	11	Trng Stock	1-7, 10-15
K239 /F	10	Op Stock	1-7, 10-15
K240 /B	7,14	Op Stock	1-7, 10-15
K241 /B	11	Op Stock	1-7, 10-15
K242 /B	13	Deep Stow (War Reserve)	1-7, 10-15
K243 /B	11	Trng Stock	1-7, 10-15
K244 /B	7	Op Stock	1-7, 10-15
K245 /B	7,12,15	Deep Stow (For Demil)	1-7, 10-15
K246 /B	12	Trng Stock	1-7, 10-15
K247 /B	3	Trng Stock	1-7, 10-15
K248 /B	None	N/A	1-7, 10-15
K249 /B	3	Trng Stock	1-7, 10-15

Facility Types:

- Z - Non-standard
- H - 10' x 14'
- S - Inert Storehouse
- CALA - Combat Aircraft Loading Area
- F - 25' x 20' Igloo
- R - Ready Service Lockers
- B - 25' x 50' Igloo

Ordnance Commodity Types:

- 1 - Mines
- 2 - Torpedoes
- 3 - Air Launched Threat
- 4 - Surface Launched Threat
- 5 - Expendables
- 6 - Inert
- 7 - CADS/PADS
- 8 - Strategic Nuclear
- 9 - Tactical Nuclear
- 10 - Rockets
- 11 - Bombs
- 12 - Gun Ammo (>=20mm)
- 13 - Small Arms (<=.50)
- 14 - Pyro/Demo
- 15 - Grenades/Mortars/Projo

Additional comments: Trng Stock - Own activity use (Training). This counts ammunition for all tenant activities and includes operational ammunition used for training. Op Stock - Own activity use (operational stock).

30c. Identify the rated category, rated NEW and status of ESQD arc for each stowage facility listed above.

Facility Rated Status

Facility Number/Type	Hazard Rating (1.1-1.4)	Rated NEW	ESQD Arc		
			Established (Y/N)	Waiver (Y/N)	Waiver Expiration
Main Base					
403 /S	Inert	0	N/A	N/A	N/A
404 /Z	1.1	3000	Y	Y	3/31/95
527 /F	1.1	3000	Y	Y	3/31/95
528 /F	1.1	3000	Y	Y	3/31/95
529 /F	1.1	3000	Y	Y	3/31/95
530 /H	1.1	20	Y	Y	3/31/95
605 /R	1.3	10000	Y	N	N/A
648 /S	Inert	0	N/A	N/A	N/A
M237 /S	Inert	0	N/A	N/A	N/A
East Miramar					

Facility Number/Type	Hazard Rating (1.1-1.4)	Rated NEW	ESQD Arc		
			Established (Y/N)	Waiver (Y/N)	Waiver Expiration
K237 /H	1.1	4000	Y	N	N/A
K238 /H	1.1	14000	Y	N	N/A
K239 /F	1.1	50000	Y	N	N/A
K240 /B	1.1	250000	Y	N	N/A
K241 /B	1.1	250000	Y	N	N/A
K242 /B	1.1	250000	Y	N	N/A
K243 /B	1.1	250000	Y	N	N/A
K244 /B	1.1	250000	Y	N	N/A
K245 /B	1.1	250000	Y	N	N/A
K246 /B	1.1	250000	Y	N	N/A
K247 /B	1.1	250000	Y	N	N/A
K248 /B	1.1	250000	Y	N	N/A
K249 /B	1.1	250000	Y	N	N/A
595 - PACKING FACILITY	1.1	400	Y	N	N/A
Aircraft Facilities					
PRIMARY CALA/RED LABEL AREA	1.1	30000	Y	N	N/A
SECONDARY CALA	1.2	5000	Y	N	N/A
BORESIGHT TUNNEL	1.4	4	Y	N	N/A

Facility Types:

Z - Non-standard F - 25' x 20' Igloo
H - 10' x 14' R - Ready Service Lockers
S - Inert Storehouse B - 25' x 50' Igloo
CALA - Combat Aircraft Loading Area

30d. 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.

1. Bldg 403 was intended for use as an operating building. Current explosive hazard restrictions prohibit this use due to intraline distances. Building 403 is now designated for inert stowage with no changes programmed.

2. Bldg 648 was designed to be a missile assembly shop (operating building). Building does not meet current explosive handling requirements for lightning protection. The Explosive Safety Quantity Distance (ESQD) Arc would encompass Kearny Villa Road and water storage tanks to the East and the Jet Engine Test Cells to the West. No cost estimate has been done for upgrade electrical grounding system to meet specifications. Building 648 is now used for inert stowage with no changes programmed.

3. Magazines 527, 528, 529 and 404 have physical capacities that far exceed their currently approved Net Explosive Weights (N.E.W) of 3,000 lbs each. These magazines were previously cited for N.E.W.'s of 15,000 lbs each, but the authorized N.E.W.'s were reduced to mitigate explosive hazards to inhabited areas. No fix or cost estimates identified.

4. No bomb assembly facility exists aboard NAS Miramar. All bomb assembly evolutions are conducted at the Combat Aircraft Loading Area on bomb skids and trailers. Simultaneous aircraft loading and bomb assembly operations are prohibited by the explosive site approval. No fix or cost estimates identified.

5. The overshoot area of the rifle range intersects the flight pattern of NAS Miramar Runways 24 and 28 and encompasses a section of roadway leading to the magazine area and a Department of Energy (D.O.E.) leased area. Anytime aircraft are in the landing pattern of Runway 24 or 28 and anytime vehicular traffic is in the aforementioned roadway all rifle range firings are suspended. Due to the geography of the area and existing structures no known alternative exists.

6. Roadways to the Magazine Area in East Miramar are too narrow for two way traffic for explosive laden vehicles. Anytime explosive laden vehicles use the road an escort vehicle clears the road ahead, effectively turning the road into a one way thoroughfare. Initial liaison was conducted with a local construction company to obtain free fill dirt and grading for roadway widening. Project fell through due to environmental concerns. No cost estimate for environmental studies or construction established to date.

30e. 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 (FY 1994); identify only those DLMHs expended by personnel under your command.

Related Ordnance Support

Related Functions	Performed? (Y / N)	Type of Commodity	DLMHs
Maintenance - Intermediate	Y	3, 6, 7, 10, 11, 14	5000
Maintenance - Organizational	Y	3, 6, 7, 10, 11, 14	1000
Testing	N	N/A	N/A
Manufacturing	N	N/A	N/A
Outload	N	N/A	N/A
Technical Support	N	N/A	N/A

- Ordnance Commodity Types:
- | | |
|-----------------------------|--------------------------------|
| 1 - Mines | 9 - Tactical Nuclear |
| 2 - Torpedoes | 10 - Rockets |
| 3 - Air Launched Threat | 11 - Bombs |
| 4 - Surface Launched Threat | 12 - Gun Ammo (≥ 20 mm) |
| 5 - Expendables | 13 - Small Arms ($\leq .50$) |
| 6 - Inert | 14 - Pyro/Demo |
| 7 - CADS/PADS | 15 - Grenades/Mortars/Projo |
| 8 - Strategic Nuclear | |

Remarks: Type ordnance and maintenance levels performed IAW OPNAVINST 8600.2A Chapter 2.2.

BRAC-95 CERTIFICATION DATA CALL SIXTEEN

NAS MIRAMAR

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

MAJOR CLAIMANT LEVEL

R. J. KELLY
NAME (Please type or print)

R. J. Kelly
Signature

Commander In Chief
Title

24 JUN 94
Date

U. S. Pacific Fleet
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)
ACTING

J. B. Greene Jr.
Signature
06 JUL 1994

Title

Date

**Data Call 16 - Capacity Analysis
Naval Air Station Miramar**

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

NEXT ECHELON LEVEL (if applicable)

Captain Andrew J. Murphy, USN _____
NAME (Please type or print)

A. Murphy
Signature

Acting _____
Title

26 May 1994 _____
Date

COMNAVAIRPAC _____
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

NAME (Please type or print)

Signature

Title

Date

Activity

BRAC-95 CERTIFICATION

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

R. L. CASEY, CAPT USN

NAME (Please type or print)

COMMANDING OFFICER

Title

NAS MIRAMAR

Division

Department

NAS MIRAMAR

Activity

R. Casey
Signature

5/16/94

Date

Enclosure (1)



DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
WASHINGTON, D.C. 20380-0001

IN REPLY REFER TO:

16

11000
LFL/F615
27 OCT 1994

MEMORANDUM FOR THE CHAIRMAN, BASE STRUCTURE EVALUATION
COMMITTEE (OASN(I&E))

Subj: CLARIFYING DATA RESPONSE

Ref: (a) Col D. Stockwell phone request of 26 OCT 94

Encl: (1) Response to clarifying question received from Col
Stockwell, Navy BSAT, of 26 OCT 94

1. The enclosure provides the requested certified information.
2. Points of contact for this information are Mr. Rich Anderson or Major G. W. Moore, Headquarters U. S. Marine Corps (LFL-3), commercial (703) 696-0865.


J. A. BRABHAM
LIEUTENANT GENERAL, U.S. MARINE CORPS
DEPUTY CHIEF OF STAFF FOR
INSTALLATIONS AND LOGISTICS

BRAC-95 CERTIFICATION

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

DATA CALL: SUPPLEMENTAL CLARIFYING DATA

ACTIVITY: HQMC DATA BASE INFO FOR MC AIR STATIONS

PAGE (S): 1

BSWG REVIEW OFFICIAL

R. L. ANDERSON
NAME (Please type or print)

GM-14, REAL ESTATE & BRAC SECTION HEAD
Title


Signature

27 OCT 94
Date

SUPPLEMENTAL CLARIFYING DATA REQUEST OF 26 OCT 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

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 of print

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

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 belief.

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

J.A. BRABHAM

LIEUTENANT GENERAL U.S. MARINE CORPS

DEPUTY CHIEF OF STAFF FOR _____
INSTALLATIONS AND LOGISTICS _____
Type of print

Title

[Handwritten Signature]

Signature

10/27/94

Date

11011
LFL/B-426
26 OCT 94

CLARIFICATION QUESTION RECEIVED FROM COL D. STOCKWELL, BSAT OF
26 OCT 94

QUESTION: Provide for each MCAS the nearest live-fire air-to-ground range rated for 500 lb or greater HE and provide distance from MCAS?

<u>MCAS</u>	<u>RANGE</u>	<u>DISTANCE</u>
Cherry Point	Fort Bragg, R 5311C	108 mi
	W122 {water targets}	75 mi
New River	Fort Bragg, R 5311C	118 mi
	W122 {water targets}	85 mi
Beaufort	Fort Bragg, R 5311C	158 mi
Camp Pendleton	MCB Camp Pendleton, Zulu R 2503	4 mi
✓Miramar	MCB Camp Pendleton, Zulu R 2503	32 mi
Yuma	Chocolate Mountain AGR, R 2507	35 mi
NAF Kaneohe	Pohakuloa Training Area (big Is)	150 mi

DATA CALL 64
CONSTRUCTION COST AVOIDANCES

Installation Name:	MCAS MIRAMAR
Unit Identification Code (UIC):	M67865
Major Claimant:	HQMC

Project FY	Project No.	Description	Appn	Project Cost Avoid (\$000)
1996	P-001T	AIRFIELD PARKING APRONS AND PADS	BRAC	43,560
1996	P-002T	BACHELOR ENLISTED QUARTERS	BRAC	96,060
1996	P-003T	ADMINISTRATIVE AND TRAINING FACs	BRAC	16,900
1996	P-006T	AIRCRAFT MAINTENANCE COMPLEX	BRAC	76,670
1996	P-008T	OPERATIONAL SUPPORT COMPLEX	BRAC	14,420
1996	P-009T	UTILITIES IMPROVEMENTS	BRAC	24,200
1996	P-010T	MAINTENANCE FACILITIES	BRAC	22,940
	Sub Total	1996		294,750
1997	P-005T	COMMUNITY SUPPORT/DINING	BRAC	22,200
1997	P-007T	STORAGE FACILITIES	BRAC	10,830
1997	P-012T	TACTICAL VAN PADS	BRAC	15,500
	Sub Total	1997		48,530
1998	P-011T	STORAGE FACILITIES	BRAC	38,090
	Sub Total	1998		38,090
	Grand Total			381,370



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 of print)

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

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 belief.

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

J.A. BRABHAM
NAME **DEPUTY CHIEF OF STAFF FOR**
INSTALLATIONS AND LOGISTICS

Title

Signature

Date

J.A. Brabham
7/25/54

**CAPACITY ANALYSIS:
DATA CALL WORK SHEET FOR
OPERATIONAL/RESERVE AIR STATION/FACILITY: MCAS (proposed) Miramar**

Category.....Shore Support of Operating Forces
Sub-category....Operational Air Stations and Reserve Air Stations
Types.....Navy and Marine Corps Operational and Reserve Air Stations and
Facilities

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

General Notes:

1. Highly recommend coordination of environmental inputs with Regional Environmental Coordinators.
2. For any airspace issues, coordinate with area airspace coordinator.
3. Recommend read-through of entire data call before answering individual questions.
4. Items which are Not Applicable should be noted as such.
5. For any projection provided in the data call response, explain how the projection was calculated (i.e., what changed and how you quantified it).
6. All data requested by fiscal year refers to the end of the fiscal year.
7. In answering throughput and capacity questions, assume that all previous BRAC decisions are implemented on schedule.

**BRAC 1995 CAPACITY ANALYSIS DATA CALL:
Operational/Reserve Air Stations/Facilities**

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**BRAC 1995 CAPACITY ANALYSIS DATA CALL:
Operational/Reserve Air Station/Facility**

AIR STATION/FACILITY - UIC Marine Corps Air Station (proposed) Miramar - M67865

STATION CAPACITY

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

Airfield Name: Mitscher Field

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	Lighting				Arresting Gear Type(s)
				F	P	C	N	
24R/6L	12,000	200	308,000 DT	X				2 E-28
24L/6R	8,000	200	308,000 DT		X	X		2 E-28
28/10	6,000	200	313,000 DT		X			1 E-28

F -- Full lighting (runway edge, center, and threshold)

P -- Partial lighting (less than full)

C -- Carrier deck lighting simulated

N -- No lighting

Runway 28 authorized as an emergency arrestment runway or helicopter arrival runway. Aircraft must be capable of a bolter. Runway 10 authorized for departure of light aircraft/helicopters only.

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

Apron/ramp/taxiway Location - ID	SF	Comp.	ID Type/Model A/C Prohibited	Comments
T1-3	37,500	asphalt	C5, KC-10, 747	
T1-1,2,4	997,500	concrete	none	
T4	218,000	concrete	C5, KC-10, 747	

T5	415,400	concrete	none	
PA 2,3,5	1,382,375	concrete	C5, KC-10, 747	
PA 4	800,000	concrete	none	
PA 1, 6-10	4,785,875	concrete	none	

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

The parallel taxiway is considered a high speed taxiway. There are no high speed turnoffs from the runways. The lack of high speed turnoffs does not impact runway operations.

Runway 28 used as high speed for 24 R. In most cases this will not provide substantial benefit. However, C-12, C-130 and helos will use this area as a high speed taxiway.

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

The parallel taxiway is considered a high speed taxiway. Taxi to/from the runway is unimpeded.

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

The width of the VFR pattern is restricted due to the close proximity of Montgomery Field. Current glide path angle for runways 24L/24R is restricted to 3.5 degrees to allow containment within Class B airspace.

Departures must turn out to Seawolf and Julian corridors. Fixed wing flight patterns (tower downwind) north of 24 duals will be restricted. Fixed wing departures straight out will be limited due to noise abatement. Helo flight patterns will be run north of MCAS Miramar boundary over civilian areas of APZ II.

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?)

Runways 24R/24L/6R/6L are designed to accept all aircraft. Runway 28 is an emergency arrestment/helicopter runway. Runway 10 is for helicopter arrival/departure.

Anticipated future use: Runway 24 duals will be primarily fixed wing except for IFR helos. 28 will be primary for helos (operations will be run in lanes parallel to Rwy 24. Additional arrival and departure pads will be located north of 24 duals.

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	120	160	Limiting factors are the ability of the ATC system to accept the operations. Airspace saturation would occur prior to reaching airport capacity.
Auxiliary	N/A	N/A	
Auxiliary			
Auxiliary			

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		Auxiliary Field		Auxiliary Field	
	# Ops	# Days	# Ops	# Days	# Ops.	# Days	# Ops.	# Days
1991	15,298	29	N/A					
1992	12,210	29	N/A					
1993	12,039	29	N/A					

2c. What percent of your flight operations at home field are Fleet Carrier Landing Practices (FCLPs)?

For CY93, there were 36,362 FCLPs for a total of 25 percent of annual operations.

2d. Are you designated as an **authorized divert field** for any non-DoD aircraft? Explain.

No.

2e. Is your airfield designated as a **joint use airfield** (i.e. civilian/military, APOE)? If yes, explain mission and identify any special joint use facilities, equipment, or operational practices.

No.

2f. Are you a NATO designated facility? If yes, explain mission and identify any special NATO facilities, equipment, or operational practices.

No.

2g. What percentage of total operations are civilian?

Less than 2 percent of total operations are civilian. The majority of civilian operations are aircraft overflying the airfield.

2h. Describe the major **civilian air traffic structures** (routes, terminal control areas, approaches, etc.) discuss the present and likely future impact of each on air station operations.

NAS Miramar lies within the San Diego Approach Control Class B airspace. Traffic flow, IFR, to Lindberg Field flows either over or east of Miramar. Departures from Miramar are restricted in altitude to avoid other traffic. This restriction does not impede traffic flow. If delays are encountered, it is normally the result of Los Angeles Center imposing restrictions on aircraft entering Los Angeles Center airspace over the Julian NAVAID. Departures from Miramar westbound are via the Seawolf corridor and are unimpeded.

2i. Are there any **air traffic control constraints/procedures** that currently, or may in the future, limit air station operations? If yes, fully explain impact.

- TCA: occasional saturation of the approach control sector serving NAS Miramar

- Restrictions over the Julian NAVAID result in some departure delays.
- Montgomery Airfield to the south
- Victor 23 to the west

2j. List the normal **hours of operation** for the main airfield and each auxiliary airfield. Indicate if this schedule varies by month or season. If not 24 hour a day operation, explain (i.e. noise restricted).

Operating Schedule	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Main Airfield	08-18	08-24	08-24	08-24	08-24	08-24	08-18
Aux. Airfield	N/A						
Aux. Airfield							
Aux. Airfield							

3a. Assuming that airfield operations are **not constrained** by operational funding (personnel support, increased overhead costs, etc.), what **additional capacity** (in flight operations per hour) could be gained with the current equipment, physical plant, etc.? Provide details and assumptions for all calculations.

Current equipment and facilities are sufficient to support fixed wing operations up to the airfield capacity limit. Historical data indicates the airfield could easily support a 75 percent increase in airfield operations.

3b. Assume that all planned MILCON in PB 1995 (Presidential budget submission) through FY 1997 and BRACON is completed as scheduled. What **additional operating capacity** would be realized? Provide cost and details of all additional capacity calculations.

BRACON would allow for integration of rotary wing aircraft with fixed wing aircraft. Airfield capacity, in terms of runway acceptance rates, would not change. Some scheduling limitations would be realized when conducting FCLPs with fixed wing aircraft. BRACON of helicopter landing pads/strips and a separate helicopter pattern will minimize the conflicts. Anticipate the same level of operations as currently conducted at El Toro and Tustin to be conducted at Miramar.

3c. What additional projects could be added to provide additional operating capacity? At what estimated cost? Provide details and assumptions for all calculations.

Helicopter lift and hover check pads will permit an overall greater operating capacity. MCON project P-001T constructs 17400 SY of helo pads at \$1,321,820 and 80,000 SY of associated taxiway at \$8,419,622.

3d. List and explain the limiting factors that further funding for personnel, equipment, facilities, etc. cannot overcome (e.g. airspace size/availability, AICUZ restrictions, environmental restrictions, land areas). Provide details of calculations.

AICUZ restrictions will apply. Fixed wing operations will continue using current routes. Rotary wing corridors will be developed to avoid populated areas to the maximum extent possible. Environment restrictions will be considered. Some areas are not available for development due to environmentally sensitive issues. It appears all proposed BRACON can be completed with regard to environmental restrictions.

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.

NAVAID	DESCRIPTION/LOCATION
TACAN	URN-25. Located north of runway 24R, 8,500 feet from approach end.
Airport Surveillance Radar	ASR-9. Located approximately 1/2 mile north of runway 24R.
Precision Approach Radar	FPN-63. Located mid-field.
ILS to be added by USMC	

BASING

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
VF-2	14	F-14D	14	14	0	0	0
VF-11	10	F-14D	9	10	0	0	0
VF-24	12	F-14A	9	12	0	0	0
VF-31	10	F-14D	10	10	0	0	0
VF-51	9	F-14D	11	0	0	0	0
VF-111	9	F-14A	11	0	0	0	0
VF-211	12	F-14A	11	12	0	0	0
VF-213	15	F-14A	15	15	0	0	0
VAW-112	4	E-2C	4	4	0	0	0
VAW-113	4	E-2C	4	4	0	0	0
VAW-114	4	E-2C	4	4	0	0	0
VAW-116	4	E-2C	4	4	0	0	0
VAW-117	4	E-2C	4	4	0	0	0
NFWS	5	F-14A	4	0	0	0	0
NFWS	11	F-16N	11	0	0	0	0
NFWS	2	TF-16N	2	0	0	0	0
VMFA(AW) 121	12	F/A-18D	12	12	12	12	12
VMFA-232	12	F/A-18C	0	12	12	12	12
VMFA(AW)- 225	12	F/A-18D	0	12	12	12	12
VMFA-323	12	F/A-18C	0	12	12	12	12

Squadron/Det	# of Aircraft (PAA)	Aircraft (T/M/S)	FY 1994	FY 1995	FY 1997	FY 1999	FY 2001
VMFA-212	12	F/A-18C	0	12	12	12	12
VMFA-314	12	F/A-18C	0	0	12	12	12
VMFA-235	12	F/A-18C	0	0	12	0	0
VMFA(AW) 242	12	F/A-18D	0	0	12	12	12
VMFAT-101	48	F/A-18A/B	0	0	48	48	48
VMGR-352	12	KC-130	0	0	0	12	12
HMT-302	30	CH-53E	0	0	0	30	30
HMM-161	12	CH-46E	0	0	0	12	12
HMM-164	12	CH-46E	0	0	0	12	12
HMM-163	12	CH-46E	0	0	0	12	12
HMH-361	16	CH-53E	0	0	0	16	16
HMH-363	12	CH-53D	0	0	0	12	12
HMH-462	16	CH-53E	0	0	0	16	16
HMH-465	16	CH-53E	0	0	0	16	16
HMH-466	16	CH-53E	0	0	0	16	16

5b. Summarize average visiting squadron/det loading on air station operations(i.e. airwing/wing weapons deployment).

Squadron/Det Size (#A/C)	Apron Space Used	Hangar Space Assigned	Maintenance Support	Ave length of stay
VA 122 4/F-18	108K	10K	1,000	5 days 3-4 x yr
VT 7 24 A4	280K	10K	5,000	11 days 3-4 xyr
Trawing 24 T2	280K	10K	3,080	11 days 3-4 xyr
NFWS 16 F18	233.3K	10K	3,080	7 wks 4 x yr
PAXRVR 1 E2	25K	4536	1,500	10 days 4xyr
Air Natl Guard 9 F16	140K	4500	10,000	21 days 1xyr
VMFAT 101 12/F18	175K	6700	10,000	2 wks 2xyr
Air Force LIFS 8 F-16	116,6K	6700	10,000	2 wks 2xyr
Air Force 62 FS 8 F-16	116,6K	6700	10,000	2 wks 2xyr
Air Force 63 FS 8 F-16	116,6K	6700	10,000	2 wks 2xyr
VA 128 5 A6	73K	4500	1,620	5 days 4xyr
VAQ 129 6 EA6	87.5K	4500	1,620	5 days 4xyr
VF 202 8 F14	116.5K	4500	10,000	10 days 2xyr
VF 201 6 F14	87.5K	5000	10,000	10 days 2xyr
VAQ 309 6 EA6	87.5K	8050	6,000	7-14 days 4-5xyr
VA 304 6 A6	87.5K	8050	6,000	7-14 days 4-5xyr
VFA 303 6 F18	87.5K	8050	6,000	7-14 days 4-5xyr
VAW 78 2 E2	50K	4000	2,000	10 days 2xyr
VAQ 139 4 EA6	60K	4000	1,500	5 days 3xyr

Canada 416 6 F18	87.5K	10,800	8,000	13 days 1xyr
VAQ 131 6 EA6	87.5K	10,800	8,000	7 days 1xyr
425 FS 12 F16	175K	12,800	12,080	21 days 1xyr
VP 66 1 P3	18K	11,700	2,000	5 days 3-4xyr
VFA 137 6 F18	93K	10,000	7,000	7 days 1xyr

5c. If a major percent of flight operations at your air station is from other than permanently stationed squadron/detachments, provide explanation.

A significant amount of training for transient squadrons originates from NAS Miramar. VA/VAQ squadrons det here to support fleet exercises off-shore. CVW-20 dets here for fleet exercises and weapons training. U.S. Air Force fighter squadrons det here for adversary training and to support fleet exercises. VA-128, VAQ-129, VMFAT-101, and CNATRA aircraft det here while conducting FRS CQ training with a carrier off-shore. KC-135, KC-10, and NUC-135 aircraft det here to support fleet training operations. Some foreign squadrons (Singapore, Canadian, and British) det here for adversary/ACM/long range navigation training.

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
VFC-13	9	FA18A	10	10	0	0	0
VFC-13	1	FA18B	2	2	0	0	0
VMFA-134	12	F/A-18A	12	12	12	12	12
HMM-764	12	CH-46E	0	0	0	12	12

6b. For each reserve squadron at your air station, provide the number of authorized billets and the number of personnel actually assigned to the squadron for the past three fiscal years. Provide this information in the format below for both Selected Reservists (SELRES) and Training and Administration of Reserves (TAR) Navy Reservists/Full-Time Support (FTS) Marine Corps reservists. Explain differences between authorized and actual manning in the remarks section (i.e. not enough qualified reservists in the area).

Squadron: VAW-88 09074	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Pilot												
NFO												
Other Officer	28	8	27	8	28	8	28	8	28	6	27	6
Enlisted	102	83	86	75	96	83	73	83	96	66	91	72

Remarks: Detailed info records not available.

Squadron: VF-301 09108	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Pilot												

NFO												
Other Officer	33	7	33	7	33	7	33	7	33	6	33	9
Enlisted	137	117	131	117	135	117	106	150	135	124	106	114

Remarks: Detailed info records not available.

Squadron: VF-302 09120	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Pilot												
NFO												
Other Officer	35	6	35	6	35	9	39	9	35	6	34	6
Enlisted	146	126	142	130	145	126	120	157	143	132	120	141

Remarks: Detailed info records not available.

Squadron: VFC-13 52995	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Pilot												
NFO												
Other Officer	26	7	26	7	36	7	34	7	18	11	18	10
Enlisted	89	103	80	115	86	112	70	115	81	102	78	110

Remarks: Detailed info records not available.

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
H&HS (USMC)	3	UH-1N	0	0	3	3	3
	3	UC-12B	0	0	3	3	3
	1	C-20	0	0	1	1	1

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
MCAS Command Museum	1	AH-1J			1	1	1
	1	Bell 214ST			1	1	1
	1	OH-13G			1	1	1
	1	TH-13M			1	1	1
	1	TH-1L			1	1	1
	1	A-4B			1	1	1
	1	A-4C			1	1	1
	1	A-4F			1	1	1
	1	A-4M			1	1	1
	1	TA-4J			1	1	1
	1	F3D-2			1	1	1
	1	F4D-1			1	1	1
	1	R4D-8			1	1	1
	1	R5D-2Z			1	1	1
	1	R4Q-2			1	1	1
	1	F4F-3			1	1	1
	1	F9F-2			1	1	1
	1	F9F-8P			1	1	1
	1	TO-1			1	1	1
	1	(GM)TBM-3E			1	1	1
	1	F2H-2			1	1	1

Service/ Agency/ Custodian	# of Aircraft (PAA)	Aircraft (T/M/S)	FY 1994	FY 1995	FY 1997	FY 1999	FY 2001
	1	RF-4B			1	1	1
	1	F-4B			1	1	1
	1	F-4N			1	1	1
	1	F-4S			1	1	1
	1	MIG-15			1	1	1
	1	SNJ-5			1	1	1
	1	PBJ-1C			1	1	1
	1	FJ-3			1	1	1
	1	OV-10D			1	1	1
	1	HUP-2			1	1	1
	1	OY-1			1	1	1
	1	F4U-5NL			1	1	1
	1	F8U-2NE			1	1	1
	2	RF-8G			2	2	2

9a. List other **operational command or support units** (ie. air wing staffs, MWSG, 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)
CVW-11 09734	AIRWING STAFF	4,181 SF	
CVW-14 09261	AIRWING STAFF	2,650 SF	
CVW-2 09742	AIRWING STAFF	4,181 SF	
COMFIT WINGPAC 55629	TACTICAL SUPPORT	39,080 SF	
COMAEWIN GPAC 55634	TACTICAL SUPPORT	32,201 SF	
CVW-15	AIRWING STAFF	2,332 SF	

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.

As a result of BRAC 93 and downsizing NAS Miramar has seen three squadrons decommissioned with the loss of approximately 39 aircraft and approximately 654 military. The station will see decommissionings of VF-124, VAW-110 and reserve squadrons VF-301, VF-302, and VAW-88 by the end of FY94. A grand total of billets/positions projected to be relocated to receiving sites in 1996/1997 are 414 officers, 2,779 enlisted, 124 civilians, 404 students, and 20 contractors. These migration figures and other projected vacancies will make way for the initial and projected Marine units scheduled to begin moving aboard NAS Miramar in early summer 1994 for the beginning standup of Marine Corps Air Station Miramar.

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	FY 1994	FY 1995	FY 1997	FY 1999	FY 2001
Federal Fire Dept	Active	YES	YES	YES	YES	YES
Fleet Industrial Supply Center(FISC)	Active	YES	YES	YES	YES	YES
HRO/Noris	Active	YES	YES	YES	YES	YES
Naval Hospital SDIEGO	Active	YES	YES	YES	YES	YES
Naval Air Reserve 09143	Reserve	YES	NONE	NONE	NONE	NONE
CVWR-30	Reserve	YES	NONE	NONE	NONE	NONE
Navy Exchange	Active	YES	YES	YES	YES	YES
Nav Aviation Eng Svc Unit (NAESU)	Active	YES	YES	YES	YES	YES
Naval Medical Center	Active	YES	YES	NONE	NONE	NONE
NAS Miramar A/C OPDET	Active	YES	YES	NONE	NONE	NONE
Naval Dental Center	Active	YES	YES	NONE	NONE	NONE
Fleet Imaging Center	Active	YES	YES	YES	YES	YES
Naval Criminal Investigation Svcs	Active	YES	YES	YES	YES	YES
Naval Publication & Printing	Active	YES	YES	YES	YES	YES
NAS Miramar - AIMD	Active	YES	YES	YES	NONE	NONE
Naval Consolidated Brig	Active	YES	YES	YES	YES	YES
F-14D FIT	Active	YES	YES	NONE	NONE	NONE
NAS Miramar SEAOPDET	Active	YES	YES	NONE	NONE	NONE
CARAEPNSCH	Active	YES	YES	NONE	NONE	NONE
TRAWING 2 Det	Active	YES	YES	NONE	NONE	NONE
E-2C FT	Active	YES	YES	NONE	NONE	NONE
Defense Commissary Agency	Active	YES	YES	YES	YES	YES

Navy Fighter Weapons School	Active	YES	YES	NONE	NONE	NONE
Explosive Ord Det, OP1	Active	YES	YES	NONE	NONE	NONE
COMFITWINGPAC	Active	YES	YES	NONE	NONE	NONE
COMAEWWINGPAC	Active	YES	YES	NONE	NONE	NONE
CMD, Trng Cmd US PAC	Active	YES	YES	NONE	NONE	NONE
NAS Miramar	Active	YES	YES	NONE	NONE	NONE
Navy/Marine Reserve Center	Reserve	YES	YES	YES	YES	YES
Naval Education & Training School	Active	YES	YES	NONE	NONE	NONE
Navy Public Works Ctr	Active	YES	YES	YES	YES	YES
Naval Base (Family Housing)	Active	YES	YES	YES	YES	YES
Naval Warfare Assessment Ctr	Active	YES	YES	YES	YES	YES
Defense Logistics Agency	Other	YES	YES	YES	YES	YES
Defense Nuclear Agency	Other	YES	YES	YES	YES	YES
Naval Aviation Depot	Active	YES	YES	NONE	NONE	NONE
NOSC ROT&E Div	Active	YES	YES	YES	YES	YES
Naval Air Maint Trng GP Det	Active	YES	YES	YES	YES	YES
Naval Oceanographic Cmd Pac	Active	YES	YES	YES	YES	YES
Flt Aviation Spec Op Trng (FASO)	Active	YES	YES	YES	YES	YES
Naval Alcohol Rehab Center	Active	YES	YES	NONE	NONE	NONE
Marine Corps Res Trng Ctr 4th Tank 67680	Reserve	YES	YES	YES	YES	YES
Personnel Support Acty	Active	YES	YES	NONE	NONE	NONE
S.W. Div NAVFACENCOM/ROICC	Active	YES	YES	YES	YES	YES
Naval Reserve Recruiting	Reserve	YES	YES	NONE	NONE	NONE
NAVAIR Warfare Ctr Pt Mugu	Active	YES	YES	YES	YES	YES
CVW-14	Active	YES	YES	NONE	NONE	NONE
CVW-11	Active	YES	YES	NONE	NONE	NONE
VW-2	Active	YES	YES	NONE	NONE	NONE

CVW-15	Active	YES	YES	NONE	NONE	NONE
Army ROTC	Reserve	YES	YES	YES	YES	YES
LORAL	Other	YES	YES	NONE	NONE	NONE
Calif. Army Nat. Guard 185th	Reserve	YES	YES	YES	YES	YES
Pratt & Whitney	Other	YES	YES	NONE	NONE	NONE
San Diego Sheriff	Other	YES	YES	YES	YES	YES
Calif. Army National Guard CO.B	Reserve	YES	YES	YES	YES	YES
McDonnell Douglas	Other	YES	YES	YES	YES	YES
Litton	Other	YES	YES	NONE	NONE	NONE
Dimensions International (NAVAIR)	Other	YES	YES	NONE	NONE	NONE
Rail	Other	YES	YES	NONE	NONE	NONE
General Electric (Kansas)	Other	YES	YES	NONE	NONE	NONE
Allison Gas Turbine Div. of G.E.	Other	YES	YES	NONE	NONE	NONE
Grumman Aircraft	Other	YES	YES	NONE	NONE	NONE
Martin/Baker	Other	YES	YES	NONE	NONE	NONE
Martin/Marietta	Other	YES	YES	NONE	NONE	NONE
Sanders	Other	YES	YES	NONE	NONE	NONE
Union Bank	Active	YES	YES	YES	YES	YES
Hughes Aircraft Co.	Other	YES	YES	NONE	NONE	NONE
SATO	Active	YES	YES	YES	YES	YES
Boy Scouts	Other	YES	YES	YES	YES	YES
Gun Club	Active	YES	YES	NONE	NONE	NONE
U.S. Post Office	Active	YES	YES	YES	YES	YES
Lockheed	Other	YES	YES	NONE	NONE	NONE
6220th US Army Reserve School	Reserve	YES	YES	YES	YES	YES
S.M. Harris	Other	YES	YES	NONE	NONE	NONE
San Diego Air National Guard (147th)	Reserve	YES	YES	YES	YES	YES
American Red Cross	Active	YES	YES	YES	YES	YES

Navy/Marine Relief Society	Active	YES	YES	YES	YES	YES
63rd US Army Reserve Command	Reserve	YES	YES	YES	YES	YES
HQTRS 7th Infantry Div. Ft. Ord.	Active	YES	YES	YES	YES	YES
1st/V Marine Expeditionary Force	Active	YES	YES	YES	YES	YES
FAA Western Region	Active	YES	YES	NONE	NONE	NONE
U.S. Customs Svc	Other	YES	YES	NONE	NONE	NONE
Army Med Det Ft. Irwin Vet	Active	YES	YES	YES	YES	YES
U.S. Forest Service	Other	YES	YES	YES	YES	YES
McDonalds	Other	YES	YES	YES	YES	YES
Dept of Army 1st Phy Ops Co	Active	YES	YES	YES	YES	YES
89878 Med-Den	Reserve	YES	YES	NONE	NONE	NONE
85603 AV-185	Reserve	YES	YES	NONE	NONE	NONE
NAS Miramar Sec Det	Active	YES	YES	NONE	NONE	NONE
6208 FITWING 0185	Reserve	YES	NONE	NONE	NONE	NONE
RUC 21441	Reserve	YES	YES	NONE	NONE	NONE
RUC 21442	Reserve	YES	YES	NONE	NONE	NONE
RUC 14021	Reserve	YES	YES	NONE	NONE	NONE
RUC 14022	Reserve	YES	YES	NONE	NONE	NONE
RUC 29067	Reserve	YES	YES	NONE	NONE	NONE
RUC 96213	Reserve	YES	YES	NONE	NONE	NONE
RUC 87272	Active	YES	YES	NONE	NONE	NONE
RUC 87272	FTS/ Reserve	YES	YES	NONE	NONE	NONE
H&HS MCAS	Active	NONE	NONE	NONE	YES	YES
Approp Fund Empl	Other	NONE	NONE	NONE	YES	YES
COMCABWEST	Active	NONE	NONE	NONE	YES	YES
Reserve Support Unit	Reserve	NONE	NONE	NONE	YES	YES
MFAT-101 FREST	Active	NONE	NONE	NONE	YES	YES

HMT-302 FREST	Active	NONE	NONE	NONE	YES	YES
NBC	Active	NONE	NONE	NONE	YES	YES
HQ 3D MAW	Active	NONE	NONE	NONE	YES	YES
HQ MWHS-3	Active	NONE	NONE	NONE	YES	YES
4th SSC Team	Active	NONE	NONE	NONE	YES	YES
HQ MWSG-37	Active	NONE	NONE	NONE	YES	YES
MWSS-373	Active	NONE	NONE	NONE	YES	YES
MWSS-374	Active	NONE	NONE	NONE	YES	YES
CSSD-14	Active	NONE	NONE	NONE	YES	YES
HQ MACG-38	Active	NONE	NONE	NONE	YES	YES
ATC Det-A MACS	Active	NONE	NONE	NONE	YES	YES
ATC Det-B MACS	Active	NONE	NONE	NONE	YES	YES
MTACS-38	Active	NONE	NONE	NONE	YES	YES
HQ MWCS-38	Active	NONE	NONE	NONE	YES	YES
MWCS Det-A	Active	NONE	NONE	NONE	YES	YES
1WCS Det-B	Active	NONE	NONE	NONE	YES	YES
3d MAW Band	Active	NONE	NONE	NONE	YES	YES
HQ MAG-11	Active	NONE	NONE	NONE	YES	YES
MALS-11	Active	NONE	NONE	NONE	YES	YES
MALS-11 FDR	Active	NONE	NONE	NONE	YES	YES
HQ MAG-16	Active	NONE	NONE	NONE	YES	YES
MALS-16	Active	NONE	NONE	NONE	YES	YES
MALS-16 FDR	Active	NONE	NONE	NONE	YES	YES
Calib Lab	Active	NONE	NONE	NONE	YES	YES
MWCS-48 Det-B	Reserve	NONE	NONE	NONE	YES	YES
MASS-6 Det-A	Reserve	NONE	NONE	NONE	YES	YES
PSD	Active	NONE	NONE	NONE	YES	YES
MWSS-473(-)	Reserve	NONE	NONE	NONE	YES	YES
HQ MAG-46 (-)	Reserve	NONE	NONE	NONE	YES	YES

MALS-46(-)	Reserve	NONE	NONE	NONE	YES	YES
MAG-46 Reservists	Reserve	NONE	NONE	NONE	YES	YES
IMA Det MPC	Reserve	NONE	NONE	NONE	YES	YES
MTU	Reserve	NONE	NONE	NONE	YES	YES
MCFLDSERASSIGN	Active	NONE	NONE	NONE	YES	YES
Branch Clinic NRMC	Active	NONE	NONE	NONE	YES	YES
Branch Clinic NRDC	Active	NONE	NONE	NONE	YES	YES
Avn Physiology	Active	NONE	NONE	NONE	YES	YES
NonAppropriated Fund Empl	Civ	NONE	NONE	NONE	YES	YES
NAESU Liaison	Active	NONE	NONE	NONE	YES	YES
FASOTRAGRUP	Active	NONE	NONE	NONE	YES	YES
Base Closure	Active	NONE	YES	YES	YES	YES

Note: * - Military Personnel

** - Civilian Personnel

*** - Non-DOD Civilian Personnel

number listed are current on board. Expected draw down migration figures are not available at this time.

10b. For each of these other reserve Navy/Marine Corps units at your air station, provide the number of authorized billets and the number of personnel actually assigned to the squadron for the past three fiscal years. Provide this information in the format below for both Selected Reservists (SELRES) and Training and Administration of Reserves (TAR) Navy reservists/Full-Time Support (FTS) Marine Corps reservists. Explain differences between authorized and actual manning in the remarks section.

NR Activity/Unit: NAVAIRESCEN Miramar 09143	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Officer	0	14	0	10	0	7	0	8	0	6	0	6
Enlisted	0	82	0	152	0	80	0	106	0	83	0	83

Remarks:

NR Activity/Unit: CVWR-30 09394	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Officer	4	16	4	15	2	15	7	13	3	12	2	11
Enlisted	0	24	0	24	0	24	0	22	0	24	0	21

Remarks:

NR Activity/Unit: Med-Den-0185 89878	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Officer	8	0	8	0	8	0	6	0	6	0	6	0
Enlisted	23	0	26	0	28	0	24	0	11	0	18	0

Remarks:

NR Activity/Unit: AV-185 85603	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Officer	0	0	1	0	0	0	0	0	0	0	0	0
Enlisted	12	0	8	0	12	0	7	0	0	0	0	0

Remarks:

NR Activity/Unit: FITWING-185 86208	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Officer	9	0	34	0	9	0	31	0	9	0	28	0
Enlisted	8	0	45	0	12	0	30	0	11	0	0	3

Remarks:

NR Activity/Unit: 62106 NMCRC	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Officer	1061	14	1061	14	1061	15	1061	15	1015	13	1015	13
Enlisted	2559	125	2559	125	2213	130	2213	130	1625	120	1625	120

Remarks: Total includes all UIC's at center

NR Activity/Unit: 4th Tank Bn. San Diego 67680	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS	SELRES	TAR/FTS
Officer	70	1	70	1	70	1	70	1	73	1	39	1
Enlisted	574	11	574	11	574	11	574	11	572	11	424	11

Remarks: Total includes the following RUCs: 21441, 21442, 14021, 14022, 29067, 96213, and 87272.

11. For all reserve units that train at the air station, summarize the average number of candidate reservists on waiting lists for reserve billets (i.e., station/squadron/unit/etc.) during the years indicated.

	Average Personnel on Waiting List		
	FY 1991	FY 1992	FY 1993
	Pilot	20	60
NFO	30	40	50
Other Officers	45	80	90
Enlisted	50	100	150

TRAINING SUPPORT

12a. Estimate the number of flight operations (take-off, landing, touch and go, and approach without landing) per year at your installation that are needed to maintain required operational readiness by each squadron/unit assigned to the installation. Provide comments on the basis for these values.

Squadron/ Unit	Aircraft Type	Number of Flight Operations/Yr	Comments
NFWS	F-16/F-14/FA-18	7,000	
VF-124	F-14	5,500	PCS 9/94
VAW-110	E-2/C-2	3,880	PCS 10/94
VFC-13	F-18	3,500	
VF-301	F-14	2,300	Disestablish 9/94
VF-302	F-14	4,000-4,500	Disestablish 9/94
VAW-88	E-2	700	Disestablish 9/94
VF-2	F-14	4,000	
VAW-116	E-2	1,940	
VF-24	F-14	4,000	
VF-211	F-14	4,000	
VAW-112	E-2	1,940	
VF-213	F-14	4,500	
VAW-117	E-2	1,940	
VF-11	F-14	4,000	
VF-31	F-14	4,000	
VAW-113	E-2	1,940	
VF-51	F-14	4,000	
VF-111	F-14	4,000	
VAW-114	E-2	1,940	

12b. For each **Special Use Airspace (SUA)** or airspace-for-special use routinely used by squadrons/units assigned to your installation (regardless of location¹), indicate how many hours per year are **required** for each user to maintain **required operational 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.

¹ include RON/domestic deployment training

SUA	Location /Distance	Types/Uses	Scheduling Authority (UIC)	Squadron/Unit	Training Requirement (types of training)	Yearly Usage Rate (Hrs)
W-291	24 NM	F-14/F-16 A-4/E-2 C-2/T-34 F-18	N09528	VF/VAW	ACM/Intercept/ Tactics	121,500 hours
W-289	100 NM	F-14/F-18	N63126	VF	Missile	2,700 hours
R-2507 N/S	100 NM	F-14/F-16 A-4/T-34 F-18	N02231	VF	A/G ord	16,200 hours
R-2512	110 NM	F-14/T-34 F-16/F-18 A-4	N02231	VF	A/G ord	10,800 hours
R-2301	180 NM	F-14/F-16 A-4/F-18	N02231	VF	A/G ord/ACM	23,200 hours
R-2508	160 NM	F-14/A-4 F-16/F-18	Edwards AFB	VF	E/ECM	
R-2510	70 NM	F-14/T-34 F-18/F-16	Edwards AFB	VF	A/G ord	10,800 hours
R-2524	190 NM	F-14/F-16 A-4/F-18	Edwards AFB	VF	A/A	2,700 hours

include RON/domestic deployment training

12b. For each **Special Use Airspace (SUA)** or airspace-for-special use routinely used by squadrons/units assigned to your installation (regardless of location¹), indicate how many hours per year are **required** for each user to maintain **required operational 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.

¹ include RON/domestic deployment training

SUA	Location/ Distance	Types/Uses	Scheduling Authority (UIC)	Squadron/Unit	Training Requirement (types of training)	Yearly Usage Rate (Hrs)
W-291	110 NM	F-14/F-16 A-4/E-2 C-2/T-34 F-18	N09528	VF/VAW	ACM/Intercept/ Tactics	121,500 hours
W-289	110NM	F-14/F-18	N63126	VF	Missile	2,700 hours
R-2507 N/S	220 NM	F-14/F-16 A-4/T-34 F-18	N02231	VF	A/G ord	16,200 hours
R-2512	110 NM	F-14/T-34 F-16/F-18 A-4	N02231	VF	A/G ord	10,800 hours
R-2301	140 NM	F-14/F-16 A-4/F-18	N02231	VF	A/G ord/ACM	23,200 hours
R-2508	220 NM	F-14/A-4 F-16/F-18	Edwards AFB	VF	E/ECM	
R-2510	70 NM	F-14/T-34 F-18/F-16	Edwards AFB	VF	A/G ord	10,800 hours
R-2524	150 NM	F-14/F-16 A-4/F-18	Edwards AFB	VF	A/A	2,700 hours
R-4813	480 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	VF/VAW	A/G ord, E/ECM ACM, Tactics	
R-4804	450 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	VF/VAW	A/G ord, E/ECM ACM, Tactics	

¹ include RON/domestic deployment training

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R-4813	407 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	VF/VAW	A/G ord, E/ECM ACM, Tactics	
R-4804	378 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	VF/VAW	A/G ord, E/ECM ACM, Tactics	
R-4802	480 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	VF/VAW	A/G ord, E/ECM ACM, Tactics	
R-4816	386 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	VF/VAW	A/G ord, E/ECM ACM, Tactics	
R-4810	380 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	VF/VAW	A/G ord, E/ECM ACM, Tactics	
R-4806	231 NM	E-2	554RS	VAW	Tactics	
R-4807	241 NM	E-2	554RS	VAW	Tactics	
R-4808	250 NM	E-2	DOE	VAW	Tactics	
R-4809	284 NM	E-2	DOE	VAW	Tactics	
Kane MOA	50 NM	F-14/A-4 F-16/T-2	N02231	VF	Spin, Intercept, A/G ord	8,600 hours
Abel MOA	85 NM	F-14/A-4 F-16/T-2/ T-34	N02231	VF	Spin, Intercept, A/G ord	8,100 hours
Turtle MOA	116 NM	F-14/A-4 F-16/E-2	N02231	VF/VAW	ACM, Intercept	2,700 hours
Quail MOA	110 NM	F-14/A-4 F-16/E-2	N02231	VF/VAW	ACM, Intercept	2,700 hours
Gabbs MOA	351 NM	F-14/F-16 F-18/A-4 T-2	N60495	VF	ACM, Intercept	

R-4802	490 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	VF/VAW	A/G ord, E/ECM ACM, Tactics	
R-4816	460 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	VF/VAW	A/G ord, E/ECM ACM, Tactics	
R-4810	450 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	VF/VAW	A/G ord, E/ECM ACM, Tactics	
R-4806	300 NM	E-2	554RS	VAW	Tactics	
R-4807	320 NM	E-2	554RS	VAW	Tactics	
R-4808	310 NM	E-2	DOE	VAW	Tactics	
R-4809	360 NM	E-2	DOE	VAW	Tactics	
Kane MOA	110 NM	F-14/A-4 F-16/T-2	N02231	VF	Spin, Intercept, A/G ord	8,600 hours
Abel MOA	110 NM	F-14/A-4 F-16/T-2/ T-34	N02231	VF	Spin, Intercept, A/G ord	8,100 hours
Turtle MOA	110 NM	F-14/A-4 F-16/E-2	N02231	VF/VAW	ACM, Intercept	2,700 hours
Quail MOA	110 NM	F-14/A-4 F-16/E-2	N02231	VF/VAW	ACM, Intercept	2,700 hours
Gabbs MOA	440 NM	F-14/F-16 F-18/A-4 T-2	N60495	VF	ACM, Intercept	
Austin MOA	440 NM	F-14/F-16 F-18/A-4 T-2	N60495	VF	ACM, Intercept	
Ranch MOA	445 NM	F-14/F-16 F-18/A-4	N60495	VF	ACM, Intercept	
Desert MOA	310 NM	F-14/F-16 F-18/A-4 E-2	554RS	VF/VAW	ACM, Intercept, Tactics	
Revelle MOA	380 NM	E-2	554RS	VAW	Tactics	
Cedar MOA	420 NM	E-2	554RS	VAW	Tactics	

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Austin MOA	370 NM	F-14/F-16 F-18/A-4 T-2	N60495	VF	ACM, Intercept	
Ranch MOA	370 NM	F-14/F-16 F-18/A-4	N60495	VF	ACM, Intercept	
Desert MOA	328 NM	F-14/F-16 F-18/A-4 E-2	554RS	VF/VAW	ACM, Intercept, Tactics	
Revelle MOA	262 NM	E-2	554RS	VAW	Tactics	
Cedar MOA	334 NM	E-2	554RS	VAW	Tactics	
Alamo MOA	248 NM	E-2	554RS	VAW	Tactics	
VR-249	110 NM	Low level	60259	VF	Visual, Daylight	2,700 hours
IR-266	317 NM	F-14/A-4	Offutt AFB	VF	Visual, daylight, low level, TARPS	2,700 hours
VR-288	70 NM	F-14	22OSS	VF	Visual, daylight, low level, TARPS	2,700 hours
VR-289	160 NM	F-14	22OSS	VF	Visual, daylight, low level, TARPS	2,700 hours
VR-299	178 NM	F-14	22OSS	VF	Visual, daylight, low level, TARPS	8,100 hours
VR-1211	70 NM	F-14	22OSS	VF	Visual, daylight, low level, TARPS	2,700 hours
IR-217	90 NM	F-14	M00300	VF	IFR, low level, TARPS	2,700 hours
IR-250	260 NM	Low level TARPS	60259	VF	IFR	2,700 hours

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IR-252	124 NM	Low level TARPS	60259	VF	IFR	2,700 hours
IR-254	132 NM	Low level TARPS	60259	VF	IFR	2,700 hours
IR-255	116 NM	Low level TARPS	60259	VF	IFR	2,700 hours
IR-266	280 NM	F-14/A-4	Offutt AFB	VF	Visual, daylight, low level, TARPS	2,700 hours
IR-1257	35 NM	F-14/A-4	N09520	VF	IFR low level TARPS	2,700 hours

Remarks: Distances measure from Airport midpoint to the nearest entry point of the Special Use Airspace.

Alamo MOA	310 NM	E-2	554RS	VAW	Tactics	
VR-249	110 NM	Low level	60259	VF	Visual, Daylight	2,700 hours
IR-266	280 NM	F-14/A-4	Offutt AFB	VF	Visual, daylight, low level, TARPS	2,700 hours
VR-288	70 NM	F-14	22OSS	VF	Visual, daylight, low level, TARPS	2,700 hours
VR-289	60 NM	F-14	22OSS	VF	Visual, daylight, low level, TARPS	2,700 hours
VR-299	70 NM	F-14	22OSS	VF	Visual, daylight, low level, TARPS	8,100 hours
VR-1211	70 NM	F-14	22OSS	VF	Visual, daylight, low level, TARPS	2,700 hours
IR-217	60 NM	F-14	M00300	VF	IFR, low level, TARPS	2,700 hours
IR-250	140 NM	Low level TARPS	60259	VF	IFR	2,700 hours
IR-252	110 NM	Low level TARPS	60259	VF	IFR	2,700 hours
IR-254	140 NM	Low level TARPS	60259	VF	IFR	2,700 hours
IR-255	110 NM	Low level TARPS	60259	VF	IFR	2,700 hours
IR-266	280 NM	F-14/A-4	Offutt AFB	VF	Visual, daylight, low level, TARPS	2,700 hours
IR-1257	35 NM	F-14/A-4	N09520	VF	IFR low level TARPS	2,700 hours

Remarks:

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 ¹	Operating Limitations
					# Hours	# Hours	
W-291	110 NM	F-14/F 16 A-4/E-2 C-2/T-34	N09528	1991	131,000	121,500	
				1992	131,000	121,500	
				1993	131,000	121,500	
W-289	110 NM	F-14/F-18	N63126	1991			
				1992			
				1993			
R-2507	220 NM	F-14/F-16 A-4/F-18 T-34	N02231	1991			
				1992			
				1993			
R-2512	110 NM	F-14/T-34 F-18	N-2231	1991			
				1992			
				1993			
R-2301	140 NM	F-14/F-18 F-16/A-4	N02231	1991			
				1992			
				1993			
R-2508	220 NM	F-14/F-16 F-18/A-4	Edwards AFB	1991			
				1992			
				1993			
R-2510	70 NM	F-14/F-18 T-34	Edwards AFB	1991			
				1992			

				1993			
R-2524	150 NM	F-14/F-18 F-16/T-34	Edwards AFB	1991			
				1992			
				1993			
R-4813	480 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	1991	250	240	
				1992	300	290	
				1993	200	190	
R-4804	450 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	1991	550	540	
				1992	660	655	
				1993	520	515	
R-4802	490 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	1991	250	240	
				1992	300	290	
				1993	200	190	
R-4816	460 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	1991	150	140	
				1992	140	135	
				1993	190	180	
R-4810	450 NM	E-2/F-14 F-16/F-18 T-2/A-4	N60495	1991	150	140	
				1992	140	135	
				1993	190	180	
R-4806	300 NM	E-2	554RS	1991			
				1992			
				1993			

R-4807	320 NM	E-2	554RS	1991			
				1992			
				1993			
R-4808	300 NM	E-2	554RS	1991			
				1992			
				1993	40	35	
R-4809	300 NM	E-2	554RS	1991			
				1992			
				1993	40	35	
Kane MOA	110 NM	F-14/F-16 F-18/A-4 T-2/F-18	N02231	1991			
				1992			
				1993			
Abel MOA	110 NM	F-14/A-4 F-16/T-2 T-34/F-18	N02231	1991			
				1992			
				1993			
Turtle MOA	110 NM	F-14/A-4 F-16/E-2 F-18	N02231	1991	750	675	
				1992	750	700	
				1993	750	690	
Quail MOA	110 NM	F-14/A-4 F-16/E-2 F-18	N02231	1991	750	680	
				1992	750	690	
				1993	750	685	
Gabbs MOA	440 NM	F-14/F-16 F-18/A-4 T-2	N60495	1991			
				1992			

				1993			
Austin MOA	440 NM	F-14/F-16 F-18/A-4 T-2	N60495	1991			
				1992			
				1993			
Ranch MOA	445 NM		N60495	1991			
				1992			
				1993			
Desert MOA	310 NM		554RS	1991			
				1992			
				1993			
Revelle MOA	380 NM		554RS	1991			
				1992			
				1993			
Cedar MOA	420 NM		554RS	1991			
				1992			
				1993			
Alamo MOA	310 NM		554RS	1991			
				1992			
				1993			
VR-249	110 NM	Low level	N60259	1991	2,700	2,430	day/VFR
				1992	2,700	2,430	
				1993	2,700	2,430	
IR-266	280 NM	F-14/F-18 A-4	Offutt AFB	1991			
				1992			

				1993			
VR-288	70 NM	Low level	22OSS	1991	2,700	2,430	
				1992	2,700	2,430	
				1993	2,700	2,430	
VR-289	60 NM	Low level	22OSS	1991	2,700	2,430	
				1992	2,700	2,430	
				1993	2,700	2,430	
VR-299	70 NM	Low level	22OSS	1991	2,700	2,430	
				1992	2,700	2,430	
				1993	2,700	2,430	
VR-1211	70 NM	Low level	22OSS	1991	2,700	2,430	
				1992	2,700	2,430	
				1993	2,700	2,430	
IR-217	60 NM	IFR, low level, TARPS	M60300	1991	2,700	2,430	
				1992	2,700	2,430	
				1993	2,700	2,430	
IR-250	140 NM	IFR, low level, TARPS	N60259	1991	2,700	2,430	
				1992	2,700	2,430	
				1993	2,700	2,400	
IR-252	110 NM	IFR, low level, TARPS	N60259	1991	2,700	2,400	
				1992	2,700	2,400	
				1993	2,700	2,400	
IR-254	140 NM	IFR, low level, TARPS	N60259	1991	2,700	2,400	
				1992	2,700	2,400	

				1993	2,700	2,400	
IR-255	110 NM	IFR, low level, TARPS	N60259	1991	2,700	2,400	
				1992	2,700	2,400	
				1993	2,700	2,400	
IR-266	280 NM	IFR, low level, TARPS	Offutt AAFB	1991	2,700	2,400	
				1992	2,700	2,400	
				1993	2,700	2,400	
IR-1257	35 NM	IFR, low level, TARPS	Offutt AFB	1991	2,700	2,400	
				1992	2,700	2,400	
				1993	2,700	2,400	

Blank data fields indicate requested data not maintained by this command.

¹ 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.).

² Provide any comments on operating limitations.

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.

Current airspace assets are adequate. The introduction of rotary wing aircraft will require designating the control tower as a limited approach control facility to provide separation (IFR/VFR/SVFR) between rotary wing and fixed wing aircraft.

12e. Assume that all planned MILCON in PB 1995 (Presidential budget submission) through FY 1997 and BRACON is completed as scheduled. What **additional operating capacity** would be realized? Provide cost and details of all additional capacity calculations.

Tower relocation or cab expansion will allow combination of fixed wing and helo ops to the extent required by USMC relocation to Miramar.

12f. What additional projects could be added to provide additional operating capacity? At what estimated cost? Provide details and assumptions for all calculations.

None identified at this time.

12g. List and explain the limiting factors that further funding for personnel, equipment, facilities, etc., cannot overcome (e.g., airspace size/availability, AICUZ restrictions, environmental restrictions, land areas).

Residential communities surrounding NAS Miramar and the resulting AICUZ restrictions would mandate the retention of existing fixed wing flight patterns. These flight patterns have been refined to avoid to the maximum extent possible residential areas and these restrictions would continue. Environmental restrictions for land use also apply. Several species of plant and animal life have imposed restrictions on land use on the base.

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.

Historical data indicates the surrounding airspace could support an increase in workload. Operations in excess of 200,000 per year have been recorded. Airspace alignment has not changed significantly since this type of usage was recorded. Operations recorded for FY93 were 144,444. An increase of 75 percent over current operations could be accommodated without significant impact on the surrounding airspace.

13a. For each ground/water training facilities/ranges/training areas routinely used by squadrons/units assigned to your installation (regardless of location¹), indicate how many hours per year are required for each user to maintain readiness?

¹ include RON/domestic deployment training

Ground Training Facility	Location/Distance	Type/Uses	Scheduling Authority (UIC)	Squadron/Unit	Training Requirement (types of training)	Yearly Usage Rate (Hrs)
SMALL ARMS RIFLE RANGE	East MIRMAR 1.7 MILES	WEAPONS TRAINING	N60259	NAS MIRAMAR SECURITY	SECURITY	1767
SIMULATORS	NAS MIRAMAR	F14/E2	N09425	ASF VF/VAW	FLIGHT	21216
POOL/TK	NAS MIRAMAR	WATER SURV.	N00259	ALL SQUAD.	WATER SURV.	3,920
SECURITY	M295	SECURITY	N60259	SECURITY	SECURITY	3200

Remarks:

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13b. For each **ground/water training facility/range/training area** listed above, complete the following table:

Ground Training Facility	Location/Distance	Types/Uses	Scheduling Authority (UIC)	Fiscal Year	Scheduled	Utilized ¹
					# Hours	# Hours
SMALL ARMS RIFLE RANGE	E.M. 1.7 MILE	WEAPONS TRAINING	N60259	1991	2173	1976
				1992	2307	2097
				1993	1350	1227
SIMULATORS	NAS MIRAMAR	F14/E2	N09425	1991	21670	21296
				1992	22693	22193
				1993	21216	21216
P1/TK	NAS MIRAMAR	WATER SURVIVAL	N00259	1991	3920	3920
P1/TK	NAS MIRAMAR	PHYSIOLOGY	N00259	1992	3920	3920
				1993	3920	3920
Flight Physo Trai FAC	NAS MIRAMAR	Pilot Training	N00259	For 1960	All Squadrons	High Alt Trng

¹ 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.).

13c. Assuming that the ground training facility/range/training areas are not constrained by operational funding (personnel support, increased overhead costs, etc.), with the present equipment, physical plant, etc. , what **additional capacity** (beyond scheduled) could be gained? Provide details and assumptions for all calculations.

Rifle Range hours can be extended to include all daylight hours, 7 days a week, 52 weeks

13b. For each **ground/water training facility/range/training area** listed above, complete the following table:

Ground Training Facility	Location/Distance	Types/Uses	Scheduling Authority (UIC)	Fiscal Year	Scheduled	Utilized ¹
					# Hours	# Hours
SMALL ARMS RIFLE RANGE	E.M. 1.7 MILE	WEAPONS TRAINING	N60259	1991	2173	1976
				1992	2307	2097
				1993	1350	1227
SIMULATORS	NAS MIRAMAR	F14/E2	N09425	1991	21670	21296
				1992	22693	22193
				1993	21216	21216
P1/TK	NAS MIRAMAR	WATER SURVIVAL	N00259	1991	3920	3920
				1992	3920	3920
P1/TK	NAS MIRAMAR	PEYSIOLOGY	N00259	1992	3920	3920
				1993	3920	3920

¹ 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.).

13c. Assuming that the ground training facility/range/training areas are not constrained by operational funding (personnel support, increased overhead costs, etc.), with the present equipment, physical plant, etc. , what **additional capacity** (beyond scheduled) could be gained? Provide details and assumptions for all calculations.

Rifle Range hours can be extended to include all daylight hours, 7 days a week, 52 weeks per year. Assume average of 12 daylight hours per day, times 365 = 4380 hours/year.

Water Survival conducted in lighted pool can be conducted 24 hours/day, 7 days a week. 24 x 365 = 8760 hours/year.

Physiology can also be conducted 24 hours/day. Total 8760 hours/year.

Simulators each require certain amounts of downtime for maintenance and repair. The Marine

14a. By facility Category Code Number (CCN), provide the usage requirements for each course of instruction required for all formal schools on your installation. Do not include requirements for maintaining unit readiness, GMT, sexual harassment, etc. Include all applicable 171-XX and 179-xx CCN's.

CCN: 171-10/15/20/35

Type of Training Facility	School	Type of Training	FY 1993 Requirements			FY 2001 Requirements		
			A	B	C	A	B	C
(671) 171-10/20	NAMTRA HGR	A/C MAINT.	678654		271.4K	NOT E1	NOT E1	NOT E1
(442) 171-20	SAFETY	SKILLS PRG	7500	4	30K	140004		56K
(473) 171-20	AVIAT.PHYS.	SKILLS PRG phys	3120	74	230.8K	3500	94	359K
(554) 171-35	AVIAT.PHYS.	SURVL TRNG WST	4160	37	153.9K	4500	37	166.5K
(657) 171-35	AVAIT.PHYS.	HELIC ESCAPE	3920	37	145K	5000	37	185K
(630) 171-15	AIR RESERVE	SKILLS PROG.	310004		124K	0	0	0
(456) 171-20	NAMTRA	C/SR+A/C MAINT	168008		134.4K	0	0	0
(515) 171-20	NAMTRA	C/SR+A/C MAINT	833004		333K	0	0	0
(M327)171-10	ARC	C/SR SKILLS PROG.	4500	4	18K	0	0	0
(E14) 171-15	RESERVES	C/SR SKILLS PROG.	5000	8	40K	0	0	0
VMFAT-101 FREST	AVN MAINT		0	0	0	73	320	23K
			0	0	0	216	320	69K
			0	0	0	96	360	35K
HMT-302 FREST	AVN MAINT		0	0	0	420	40	17K
F/A-18 WTT 171-35	F/A-18 FRS	F/A-18 Pilot Training	0	0	0	12000	1	12K
F/A-18 OFT 171-35	F/A-18 FRS	F/A-18 Pilot Training	0	0	0	4800	1.5	6300

F/A-18 PTT 171-35	F/A-18 FRS	F/A-18 Pilot training	0	0	0	4680	1	4680
F/A-18 CBT 171-35	F/A-18 FRS	F/A-18 Pilot training	0	0	0	2500	20	50000
KC-130 WST 171-35		KC-130 Pilot training	0	0	0	2600	3	7800
CH-46E WST 171-35		CH-46E Pilot training	0	0	0	1800	2.5	4500
CH-53 WST 171-35	CH-53 FRS	CH-53E Pilot training	0	0	0	1800	2.5	4500
MLR 171-35	MLR	MLR Pilot training	0	0	0	6720	1	6720
(1300)171-15	MAR. CORPS RESERVE	C/SR+ OPER.	140408		112.3 K	140408		112.3 K

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

Note 1: NAS Miramar will migrate to NAS Lemoore by Apr 97.

The planned migration is scheduled for completion by Q3/Q4 FY 97.

simulators which will be installed at Miramar will undoubtedly be upgraded versions of what is currently installed at MCAS El Toro and Tustin; therefore it is impossible to predict future failure rates or scheduled maintenance periods with any accuracy. Recommend use of current parameters until future simulator installations are established and analyzed.

13d. Assume that all planned MILCON in PB 1995 (Presidential budget submission) through FY 1997 and BRACON is completed as scheduled. What additional capacity would be realized? Provide cost and details of all additional capacity calculations.

BRACON P-003T - convert existing ops training building for F-14/E-2/C-2 to trainers for F/A-18/C-130 @ 46,000 SF at a cost of \$3,520,641.

13e. What additional projects could be added to provide additional operating capacity? At what estimated cost? Provide details and assumptions for all calculations.

BRACON P-003T - construct operational trainer building for CH-46 & CH-53 simulators @ \$58,766,400.

13f. List and explain the limiting factors that further funding for personnel, equipment, facilities, etc., cannot overcome (e.g., zoning restrictions, lack of available space, etc.).

None.

14b. By Category Code Number (CCN), complete the following table for all **training facilities** aboard the installation. Include all 171-xx, 179-xx CCN's.

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.

CCN: 171-10, 171-15, 171-20, 171-35, 179-40, 179-55

Type Training Facility	Total Number	Design Capacity (PN) ¹	Capacity (Student HRS/YR) ²
171-10-ACADEMIC INST.	5	371	293,300
171-15-RESERVE	13	652	705,040
171-20-APPLIED INST.	2	806	946,940
171-35-OPER. TRAIN.	8	18	58,720
179-40-SMALL ARMS RANGE	3	81	81,000
179-55-COMBAT TRNG.	1	80	153,920
PL/TK			

¹ 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.

² Design how the student HRS/YR value in the preceding table was derived.

Multiplied the number of classrooms/ trainer seats by hours available per day/week by one year period to get students hrs/yr.

14c. Assuming that the ground school training facility is **not constrained by operational funding** (personnel support, increased overhead costs, etc.), with the present equipment, physical plant, etc, what additional capacity (in student hours/yr) could be gained? Provide details and assumptions for all calculations.

NONE

14d. List and explain the **limiting factors** that further funding for personnel, equipment, facilities, etc. cannot overcome.

AICUZ Restrictions- Flight paths established by FAA set standards for AICUZ restrictions.
 Environmental Restrictions- Federal protected vernal pools restrict land use areas.

14e. For facilities with category codes 171-xx, 179-xx, and any other CCN's, provide the amount of adequate, substandard and inadequate facilities in terms of square feet and number of students.

Parent UIC	CCN	Facility Type	Adequate		Substandard		Inadequate		Total	
			SF	PN	SF	PN	SF	PN	SF	PN
N60259	171-10	TRAINING CLASSROOM	8,976	561	3,060	191	900	56	12,936	808
N60259	171-20	TRAINING APPLIED	234,998	1879	4530	30	0	0	23,928	1,909
N60259	171-35	TRAINING OPERATION	76,692	37	459	0	0	0	77,151	37

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.

900 SF of Category 1 Code 171-10 is inadequate due to deterioration of the building structure. All categories are being used for classroom training. No engineering evaluations have been accomplished, therefore costs to remove the deficiencies are unknown at this time. No programmed projects are planned to remove these deficiencies.

SHIP BERTHING CAPACITY -- Not Applicable

15a. 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:

Pier/Wharf & Age ¹	CCN ²	Moor Length (ft)	Design Dredge Depth ³ (ft) (MLLW)	Slip Width ⁴ (ft)	Pier Width (ft) ⁵	CLA/Security Area? (Y/N) ⁶	ESQD Limit ⁷	# Days OOS for maint.

¹Original age and footnote a list of MILCON improvements in the past 10 years.

²Use NAVFAC P-80 for category code number.

³Comment if unable to maintain design dredge depth

⁴Water distance between adjacent finger piers.

⁵Indicate if RO/RO and/or Aircraft access. Indicate if on-pier structure limits open pier space.

⁶Describe the additional controls for the pier.

⁷Net explosive weight. List all ESQD waivers that are in effect with expiration date.

15b. For each Pier/Wharf at your facility list the following ship support characteristics:

Pier/Wharf	OPNAV 3000.8 (Y/N)	Shore Pwr (KVA) & 4160V (KVA)	Comp. Air Press. & Capacity ¹	Potable Water (GPD)	CHT (GPD)	Oily Waste ¹ (gpd)	Steam (lbm/hr & PSI) ²	Fendering limits ³

¹List only permanently installed facilities.

²Indicate if the steam is certified steam.

³Describe any permanent fendering arrangement limits on ship berthing.

15c. 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.

Pier/ Wharf	Typical Steady State Loading ¹	Ship Berthing Capacity	Ordnance Handling Pier Capacity ²	IMA Maintenance Pier Capacity ³

¹Typical pier loading by ship class with current facility ship loading.

²List 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.

³List 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.

15d. For each pier/wharf listed above, based on Presidential Budget 1995 budgeted infrastructure improvements in Presidential Budget 1995 through FY1997 and the BRAC 91 and 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.

Pier/ Wharf	Typical Steady State Loading ¹	Ship Berthing Capacity	Ordnance Handling Pier Capacity ²	IMA Maintenance Pier Capacity ³

¹Typical pier loading by ship class with current facility ship loading.

²List 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.

³List 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.

15e. 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.

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

15g. 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.

15h. Describe any unique limits or enhancements on the berthing of ships at specific piers at your base.

FACILITIES

16a. 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 accomodate 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 A/D	135	32	46	167	181
E-2	35	4	11	39	46
F-16	13	18	9	31	22
A-4	8	1	9	9	17
F-18	13	6	7	19	20
C-2	2	0	0	2	2
T-34	2	0	2	2	4
Totals:	208	61	84	269	292

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.

NAS Miramar hangar designations are as follows:

Hangar 1: F-14A

F-14D

F-16

A-4

Hangar 2: F-18

F-14D

Hangar 3: F-14A

F-14D

T-34

Hangar 4: F-14A
 F-14D
 Hangar 5: F-14A
 E-2C
 Hangar 6: E-2C

CRITERIA: NAVFAC P-80, pages 113-1 through 113-114, refers to a three-step method used in determining the apron requirement: 1) identify the number of aircraft parking spaces required, 2) layout the spaces, and 3) provide for the peripheral taxiways. The quantity of aircraft supported by this activity BFR is reduced to reflect deployed squadrons, and aircraft inside the maintenance hangars. Spacing of aircraft is based on Figure 113-20A, and Tables 113-20A and 20B, on pages 113-4 and 113-7 through 10. The standard Peripheral Taxilane width is 150 feet as identified on page 113-2 of NAVFAC P-80.

Parking Space Requirements per P-80

<u>Aircraft</u>	<u>Mix/Ratio</u>	<u>Space Required</u>
F-14 A/D	64%	1,778 SY
E-2	17%	1,985 SY
F-18	6%	1,080 SY
F-16	6%	865 SY
A-4	5%	713 SY
C-2	1%	1,985 SY
T-34	1%	570 SY

Additional NAVFAC parking spaces were determined as follows:

TYPE OF A/C	CURRENT # A/C	# HANGAR SPACES	# APRON SPACES REQ.	# OF APRON SPACES AVAIL.	NAVFAC ADD. SPACES AVAIL.
	A	B	C=(A-B)	D	E=(D-C)
F-14 A/D	135	38	97	129	32
E-2	35	15	20	24	4
F-16	13	2	11	29	18
A-4	8	1	7	8	1
F-18	13	6	7	13	6
C-2	2	0	2	2	0
T-34	2	0	2	0	0

Additional surge parking space will be received at the operations parking area plus at excess parking apron areas while maintaining current mix/ratio of A/C.

Excess parking apron area

P-164 inventory total: 450,978 SY (based on 590,978 SY existing apron adjusted to delete 140,000 SY of peripheral taxiway, 75% of that shown in Alternative A of the Miramar Master Plan "maximum aircraft loading of existing apron": .75 x 186,000 SY)

BFR total: 345,604 SY (based on current no. of A/C multiplied by their respective space required)

Difference: 105,374 SY

Excess parking apron:

105,374 SY

Opns parking area: 22,222 SY (corrected based on Alternative A of the Miramar Master Plan maximum aircraft loading on existing apron)

Area available
for surge: 127,596 SY

Additional surge capacity was calculated as follows:

(Example: F-14 A/D)

$127,596 / 1778 \text{ SY (BFR)} \times 64\% \text{ (mix/ratio)} = 46 \text{ A/C}$

Total surge capacity was calculated by adding the current number of A/C to the additional surge capacity.

Example: F-14 A/D

$135 \text{ (current onboard)} + 46 \text{ (added surge)} = 181 \text{ surge total}$

16b. List current usage of parking apron area in SF, being used by the following categories of Squadron/Aircraft. The six categories listed correspond to the categories described above in questions 5, 6, 7, 8, 9, and 10. Category Code Number (CCN) from P-80. Provide an estimate for FY 2001.

Parking Apron Location/ Designator	Apron Area in SF (CCN 113-20) and Apron Access Area in SF (CCN 113-40)						
	Active SQD/Det A/C	Reserve SQD/Det A/C	USN/USMC Station A/C	DoD or non-DoD A/C	Other USN(R) USMC(R), DoD/non-DOD	Other units not covered and transient A/C	
HGR 1	1193K		USN	DOD			
HGR 2	700K		USN	DOD			
HGR 3	550K		USN	DOD			
HGR 4	700K		USN	DOD			
HGR 5		400K		DOD	USNR		
HGR 6	720K		USN	DOD			
OPS	600K		USN	DOD			
Column totals	4463K	400K					¹ 4863K

¹ Grand total

16c. Assume that all planned MILCON in PB 1995 (Presidential budget submission) through FY 1997 and BRACON is completed as scheduled. What **additional parking capacity** would be realized? Provide cost and details of all additional capacity calculations.

MCON P-001T

<u>ITEM</u>	<u>QUANTITY</u>	<u>COST</u>
Aircraft Parking Apron (new)	322,160	16,430
Aircraft Parking Apron (conversion)	81,030	2,190
Aircraft Access Apron	6,000	430
Subtotal:		19,050
Supporting Facility (1.20)		22,860
Contingency (1.05)		24,003
SIOH (1.06)		25,443
TOTAL COST:		25,443

Additional capacity is based on laydown of 1 KC-130 squadron (12 aircraft), 3 CH-53E

squadrons (48 aircraft), and 1 F/A-18 squadron (12 aircraft).
Additional capacity is therefore 322,160 SY

16d. What additional projects could be added to provide parking space? At what estimated cost? Provide details and assumptions for all calculations.

700K SY additional parking ramp possible with aggressive land fill projects or elevated ramps on piles or depression of existing major thoroughfares, at a cost of about \$400/SY.

16e. List and explain the **limiting factors** that further funding for personnel, equipment, facilities, etc., cannot overcome (e.g., AICUZ restrictions, environmental restrictions, land areas, etc.).

Environmental Restrictions- Federal protected vernal pools restrict land use areas.

AICUZ Restrictions- Flight paths established by FAA set standards for AICUZ restrictions.

17a. List the hangars at the air station. Identify by (P-80) type, year built, dimensions.

Hangar ID/#	Type I, II or (O)ther	Year Built	Hangar Deck Dimensions	Limiting Height	Current Usage	In SF			
						Adequate	Substandard	Inadequate	Total
H-1/K-215	I	1952	484'x260'	57'	Maint. Hgr.		167,234		167,234
H-2/K-277	I	1957	541'x242'	49'	Maint. Hgr.	200	153,128		153,328
H-3/500	I	1969	677'x128'	43'	Maint. Hgr.		114,776		114,776
H-4/470	I	1965	642'x160'	40'	Maint. Hgr.	122,325			122,325
H-5/570	I	1976	320'x131'	38'	Maint. Hgr.	57,945			57,945
H-6/670	I	1978	674'x145'	45'	Maint. Hgr.		128,060		128,060

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.

17b. For each hangar provide space allocation information listed in table below. Indicate if OPS/ADMIN space is in a non-contiguous building, Provide subtotal for each hangar.

Hangar #/ID/Type	SQD/Mod# Assignment	Ops + Admin Spaces SF/ Module	Maint Shops SF/ Module (O Level)	Hangar Deck SF/Module	A/C Line parking spaces ^{2,3}		
					#/ Module	SF	Elec. Pwr.
K-215 H-2	VFC13/ NO. MOD	1,354	15,872	26,067	6 N	26,067	Y
	VF11/ A MOD	1,354	15,872	26,067	3 A	26,067	Y
	VF31/ B MOD	1,354	15,872	26,067	3 B	26,067	Y
K-277 H-1	NFWS/ NO. MOD	17,096	17,976	41,591	5 N	41,591	Y

	VF2/ A MOD	17,096	17,976	41,591	4 A	41,591	Y
500 H-3	VF124/ A,B MOD	15,388	15,350	26,649	6 A,B	26,649	Y
	VF51/ C MOD	7,694	7,675	13,324	3 C	13,324	Y
	VF111/ D MOD	7,694	7,675	13,324	3 D	13,324	Y
470 H-4	VF211/ A MOD	5,057	17,749	13,324	3 A	53,299	Y
	VF24/ B MOD	5,057	17,749	13,324	3 B	13,324	Y
	FTRG/ C MOD	5,057	17,749	13,324	3 D	13,324	Y
	VF213/ D MOD	5,057	17,749	13,324	3 C	13,324	Y
570 H-5	VF301/ A MOD	5,267	5,120	8,928	2 A	8,928	Y
	VAW88/ B MOD	5,267	5,120	8,928	1 B	8,928	Y
	VF302/ C MOD	5,267	5,120	8,928	2 C	8,928	Y
670 H-6	VAW117/ AA MOD	4,337	4,376	9,541	2 AA	9,541	Y
	VAW110/ A,B MOD	8,675	8,752	19,083	4 A,B	19,083	Y
	VAW114/ C MOD	4,337	4,376	9,541	2 C	9,541	Y
	VAW113/ D MOD	4,337	4,376	9,541	2 D	9,541	Y
	VAW112/ E MOD	4,337	4,376	9,541	2 E	9,541	Y
	VAW116/ F MOD	4,337	4,376	9,541	2 F	9,541	Y
TOTAL		172,272	207,261	361,558		361,558	Y

¹ Provide which SQD/Det was assigned to the specific module at receipt of this Data Call. (i.e., VFA-15, Hgr 1, Mod C)

² Dedicated aircraft parking spaces per Module and total square feet (SF) of A/C line parking spaces

³ Are there A/C line parking spaces supported by permanently installed electric power? (Y/N)

Note: All OPS/Admin spaces are contiguous to the hangar.

17c. Assume that all planned MILCON in PB 1995 (Presidential budget submission) through FY 1997 and BRACON is completed as scheduled. What **additional hangar capacity** would be realized? Provide cost and details of all additional capacity calculations.

<u>ITEM</u>	<u>QUANTITY</u>	<u>COST</u>
Maintenance Hangars (new)	100,770	10,080,000
Maintenance Hangar conversions	479,620	26,860,000
Subtotal:		36,940,000
Support Facilities (1.20)		44,328,000
Contingency (1.05)		46,544,400
SIOH (1.06)		49,337,064

Total new hangar capacity would be 100,770 SF. To accommodate Marine helicopters in F-14 hangars an additional 479,620 SF of conversion of existing hangars would be required.

17d. What additional projects could be added to provide more hangar space? At what estimated cost? Provide details and assumptions for all calculations.

Construction of 360,000 SF of new hangar mods is possible at approximately \$95/SF. Construction of associated apron space would be costly (see 16d above).

17e. List and explain the **limiting factors** that further funding for personnel, equipment, facilities, etc., cannot overcome (e.g., AICUZ restrictions, environmental restrictions, land areas, lack of expansion space, etc.).

- a. Environmental Restrictions- Federal protected vernal pools restrict land use areas.
- b. AICUZ Restrictions- Flight paths established by FAA set standards for AICUZ restrictions.

17f. List all **squadrons/detachments** normally homeported 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
NONE		

17g. List all **squadrons/detachments** normally homeported 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
VF-11	10-F14D	3 A
VF-31	10-F14D	3 B
VAW-113	4-E2C	2 D

17h. 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:

1. Using NAVFAC P-80 standard measures
2. Using real world planning factors to accomodate 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	NAVFAC	Surge
E2/C2	14	0	0	14	14
F-18	7	0	0	7	7
F-16	13	2	2	15	15
F-14	48	0	0	48	48
A-4	7	0	0	7	7

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. Calculations based on NAVFAC P-80

Only additional hangar space is for 2 F-16s in hangar 2.

18. 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	21,995	0	0	21,995	2	78
211-02	Nose Hangar	0	0	0	0	0	N/A
211-03	Corrosion Control Hangar	0	0	0	0	0	N/A
211-75	Parachute/Survival Equipment Shop	8250	0	0	8250	1	54
211-81	Engine Test Cell	23,280	0	0	23,280	4	74/88
211-88	Power Check Pad with Sound Suppression	0	0	0	0	0	N/A
211-89	Power Check Pad without Sound Suppression	2 EA	0	0	2	2	78
211-96	Maintenance, Aircraft Spares Storage	162	5471	0	5633	3	71
116-10	Airfield Washrack Pavement	117,207	0	0	117,207	8	53
116-15	Aircraft Rinse Facility	4,752	0	0	4,752	1	72
214-30	Refueling Vehicle Shop	0	0	0	0	0	N/A
218-60	Aircraft Ground Support Equipment	2,579	23,018	7920	33,517	5	67
	Other	0	0	0	0	0	N/A

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.

Inadequate Facility: Bldg. 478- Def Code D30- Siting/Location

According to NAVFACINST 11010.44E, this type of facility should be located in the immediate vicinity of the hangars. The building is across the street from the hangars, outside of the flightline security area and inside another fenced-in complex, which makes it inadequate. A reevaluation could be done to use for storage, garage, or other type of shop. There are no plans to remove this deficiency by any project.

19a. Using the types (and mix) of aircraft currently stationed at your installation, project the maximum number of these aircraft that could be supported with your present AIMD/MALS facility.

Aircraft Type	Current # of Aircraft	Additional # of Aircraft	Total
F14A	178	2	180
F14D	53	3	56
E2C	39	0	39
C2	2	6	8
FA18	2	12	14
F16	13	0	13

Provide the **basis** (including source data) of your calculations in detail. Include limiting factors.

Data sources received from COMFITWINGPAC/COMAEWWINGPAC Maintenance and Operations reps. Limiting factors include hangar and ramp space constraints (only north side of airfield is developed), EPA permit use limited to certain amounts of Ground Support Equipment operating (county ruling), noise constraints to neighboring civilian community and housing areas, environmental issues such as Rose Canyon and vernal pools are protected.

19b. Describe any aviation maintenance backlogs that the station currently experiences on a routine basis. List the average backlog times and the reasons for the backlogs (e.g., supply shortfall, insufficient local labor, overtasking of work stations, space limitations).

AIMD NAS Miramar routinely experiences between 1,100 and 1,450 items that are considered "backlog". These components consist of a variety of aircraft components ranging from jet engines to the smallest piece of electronic equipment. Routinely, AIMD inducts somewhere between 4,500 to 5,600 items for repair each month. The average turnaround time (backlog) is currently 13.2 days. This backlog time is further broken down as:

- PROCESSING (time btwn removal and induction) = 1.8 days
- SCHEDULING (time btwn AMSU receipt and delivery to w/c) = 1.4 days
- REPAIR (time to repair the item less AWP) = 4.2 days
- AWAIT PARTS (time to await repair parts) = 5.8 days

Currently, Supply (AWP) components consist of 57% of today's backlog...Maintenance (AWM) is 43%. Actual reasons range from Supply shortfalls for the newer systems (F14D/E2C Group II), to actual space and test bench limitations due to the workload vs. available manning and/or Automatic Test Equipment run design which allows only "batch" processing of like components due to required bench set-up (cables, IDs, etc). Likewise, due to sparce repair assets, when OPTEMPO (operational requirements) increase on the flightline, available ready

spares quickly diminish causing "backlogs" at the "I" level repair facility.

19c. Assume that all planned MILCON in PB 1995 (Presidential budget submission) through FY 1997 and BRACON is completed as scheduled. What additional maintenance capacity would be realized? Provide cost and details of all additional capacity calculations.

MCON P-012T

<u>ITEM</u>	<u>QUANTITY</u>	<u>COST</u>
Tactical Van Pads	23,322 SY	1,213,000
Supporting Facilities (1.2)		1,455,600
Contingency (1.05)		1,528,380
SIOH (1.06)		1,620,082
Total:	23,322 SY	\$1,620,082
Engine Test Cell rehab	7,750 SF	3,820,000
Supporting Facilities (1.20)		4,584,000
Contingency (1.05)		4,813,200
SIOH (1.06)		5,101,992
Total:	7,750 SF	5,101,992

19d. What additional projects could be added to provide additional maintenance capacity? At what estimated cost? Provide details and assumptions for all calculations.

Construct Projects P 266 GSE Complex \$8.3M and P349 Armament Equipment Repair Facility \$3.0M. Present Support Equipment complex is inadequate to support current flight operations. A significant amount of equipment is maintained and stored outside due to limited shop floor space. New complex will not only provide more shop space but also drastically increase covered storage. Armament Repair now done in cramped maintenance spaces. Armament Equipment Pool stored in Supply warehouse. Twenty percent of daily manhours spent moving equipment between two locations, approximately 300 yards apart, to facilitate repair actions.

Construct Engine Test Cells for the CH-46 and CH-53 helicopters at 11,250 SF at \$13,128,948. Construct Van Pads project P-012T at 9,660,000 SY at \$8,651,000. Test Cells identified in the Presidential Budget for renovation are beyond repair. Vanpad identified in the President's Budget represented only the concrete pad necessary to place the actual maintenance vans. This project includes all supporting facilities such as head facilities and utility buildings.

19e. List and explain the limiting factors that further funding for personnel, equipment, facilities, etc., cannot overcome (e.g., AICUZ restrictions, environmental restrictions, land areas, etc.).

NONE

20a. 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	0	0	0	0	0
121-10	Direct Fueling	OL/GM	10,400	0	0	10,400	9
124-30	Fuel Storage	GA	2,450,000	368,000	0	2,818,000	14
421-xx	Ammunition Storage	CF/TONS	451,025	0	0	451,025	20
425-xx	Open Ammunition Storage	SF	0	0	0	0	0
113-20	Parking Aprons	SY	494,703	81,027	15,218	590,948	5
113-40	Access Aprons	SY	17,654	0	0	17,654	3
116-56	Combat Aircraft Ordnance Loading Area	SY	0	4,050	0	4,050	1
	Other	N/A	0	0	0	0	0

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.

Inadequate Facility: CCN113-20, Parking aprons.

Parking apron deficiency Code C35: design criteria, asphalt. Concrete in this area is unable to support heavy aircraft; it is used for light aircraft. No engineering evaluation has been done to indicate a change in use. There are no plans to remove the deficiency.

20b. Assume that all planned MILCON in PB 1995 (Presidential budget submission) through FY 1997 and BRACON is completed as scheduled. What **additional operating capacity** would be realized? Provide cost and details of all additional capacity calculations.

<u>ITEM</u>	<u>QUANTITY</u>	<u>COST</u>
Landing Pads	4,400 SY	310,000
Ammunition Storage	35,253 SF	5,183,000
Parking Aprons	322,160 SY	16,430,000
Access Aprons	6,000 SY	430,000
Combat Air Ord Ldg	39,500 SY	2,409,500
Subtotal:		24,762,500
Supporting Facilities (1.20)		29,715,000
Contingency (1.05)		31,200,750
SIOH (1.06)		33,072,795 Total Cost

20c. What additional projects could be added to provide additional operating capacity? At what estimated cost? Provide details and assumptions for all calculations.

<u>ITEM</u>	<u>QUANTITY</u>	<u>COST</u>
Landing Pads	17,400 SY	1,500,000
Aircraft Direct Refuel	2 EA	880,000
Subtotal:		2,380,000
Supporting Facilities (1.20)		2,856,000
Contingency (1.05)		2,998,800
SIOH (1.06)		3,178,728 Total Cost

Adds hover check pads for helos and direct fueling capability for C-130's.

20d. List and explain the **limiting factors** that further funding for personnel, equipment, facilities, etc., cannot overcome (e.g., environmental restrictions, land areas, etc.).

None.

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 following facility under Category Code 441-XX is inadequate according to the respective deficiency code defined by NAVFACINST 11010.44E. Facility 333 is a small (448 SF) general storage shed. This facility is of wood construction with a concrete floor slab. Most economical method of repair is by replacement with metal building.

INADEQUATE BUILDINGS	DEFICIENCY CODE	REPAIR COST	BASEREP DESIGNATION
333	A30	40K	C3

The substandard facilities listed under Category Code 441-XX all have a C2 rating, therefore not indicated in BaseRep.

21d. List off base storage areas utilized due to lack of sufficient storage facilities on station to support aviation support unit equipment/supplies storage needs.

Squadron/Det	Storage: (O)pen or (C)overed	Laydown: SF	Location	Navy (O)wned or (L)eased
NONE				

22. In the following table, indicate the space and condition for each **specific facility** category codes indicated. 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.

Building Type	NAVFAC (P-80) CCN	Installation space (SF)			
		Adequate	Substandard	Inadequate	Total
Production Facilities	220-xx	1,940	11,102		13,042
RDT & E Facilities	300-xx	44,490		15,708	60,198
Supply Facilities	400-xx	278,924	99,233	118,346	496,503
Hospital, Medical, Dental	500-xx	9,211	56,545		65,756
Administrative Facilities	600-xx	153,147	103,299	55,632	312,078
Utilities/Grounds Improvements	800-xx	2,851,986	817,123	1,731	3,670,840
	TOTAL	3,339,698	1,087,302	191,417	4,618,417

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 following list of facilities is inadequate according to the respective deficiency codes, and facilities are used for their assigned CCN use. No engineering evaluation has been done to change the use or replace them. There are no current plans or projects to remove deficiencies. For deficiency codes refer to NAVFACINST 11010.44E.

<u>INADEQUATE BLDGS.</u>	<u>DEFICIENCY CODE</u>	<u>CCN</u>
2018 Guided missile lab	F30	31210
2020 " " "	F30	31210
530 Magazine	D30	42112
528 "	D30	42135
529 "	D30	42135
527 "	D30	42135
E91 Warehouse	F30	44110
E135 "	A30	44110
E137 "	A30	44110
487 Haz/Flam Strg	D30	44130
488 " "	D30	44130
489 " "	D30	44130
492 " "	D30	44130
333 Stor. Shed	A30	44135
E291 " "	F30	44135
M245 Admin Office	A30	61010
2003 " "	A30	61010
2004 " "	A30	61010
M295 " "	C45,F30	61010
M312 " "	C45,F30	61010
K223 " "	D30	61010
M326 " "	C45	61010
M327 " "	C45	61010
E15 " "	A04,A39,D37	61010
M325 Admin Office	F30,C45	61010
E297 Heating Plant	F30	82109
E12 Water Dist. Bldg.	F30	84209
2012 " " "	F30	84209
342 Vehicular Bridge	F30	85120

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23a. Provide the following information on **base infrastructure capacity and load.**

	On Base Capacity	Off base long term contract	Normal Steady State Load	Peak Demand
Electrical Supply (KWH)	12000	NONE	8000	9700
Natural Gas (CFH)	40000	NONE	9000	20000
Sewage (GPD)	1700000	NONE	560000	900000
Potable Water (GPD)	2000000	NONE	700000	1200000
Steam (PSI & lbm/Hr)	75 PSI 120,000	NONE	25,000 70PSI	50,000 70PSI
Long Term Parking (SY)	818521	NONE	654817	818521
Short Term Parking (SY)	8228	NONE	6852	8228

According to a May 31, 1994 MCAS Miramar Comprehensive Technical Study (CTS) by DMIM in association with Holmes & Narver Inc. Brown & Root, the average day range of sewage flows is from 270,000 GPD to 1,234,000 GPD. The steady state discharge of 560,000 GPD in data call 16 is in substantial agreement with the average discharge rate of 600,000 GPD in data call 33 and are in the midrange of the CTS. If the numbers have to match exactly change data call 16 from 560,000 to 600,000. Miramar has a permit for sewer water discharge of an average of approximately 628,000 GPD. There are utility contracts for discharge of sewerage and purchase of water from the City of San Diego and the purchase of electricity and natural gas from San Diego Gas and Electric Co., but they do not require a minimum or maximum quantity.

23b. Does the current base infrastructure (i.e., utilities, parking), combined with any upgrades/expansions budgeted through FY1997, or BRACON scheduled through FY1999 provide additional capacity? Explain what additional capacity would be gained.

ELEC- 12 MVA added by Marine BRAC in FY 96

GAS- 4,000 CFH for conversion from central steam to satellite boilers FY 95

23c. How will future requirements (both environmental and base loading) on existing facilities (i.e. sewage treatment, water treatment, etc) impact the base infrastructure capacity in FYs 1995 through FY2001? Explain, including an estimate of the adjusted future capacity.

23a. Provide the following information on **base infrastructure capacity and load**.

	On Base Capacity	Off base long term contract	Normal Steady State Load	Peak Demand
Electrical Supply (KWH)	12,000	NONE	8,000	9,700
Natural Gas (CFH)	40,000	NONE	9,000	20,000
Sewage (GPD)	1,700,000	NONE	560,000	900,000
Potable Water (GPD)	2,000,000	NONE	700,000	1,200,000
Steam (PSI & lbm/Hr)	75 PSI 120,000	NONE	25,000 70PSI	50,000 70PSI
Long Term Parking (SY)	818,521	NONE	654,817	818,521
Short Term Parking (SY)	8,228	NONE	6852	8228

23b. Does the current base infrastructure (i.e., utilities, parking), combined with any upgrades/expansions budgeted through FY1997, or BRACON scheduled through FY1999 provide additional capacity? Explain what additional capacity would be gained.

ELEC- 12 MVA added by Marine BRAC in FY 96

GAS- 4,000 CFH for conversion from central steam to satellite boilers FY 95

23c. How will future requirements (both environmental and base loading) on existing facilities (i.e. sewage treatment, water treatment, etc) impact the base infrastructure capacity in FYs 1995 through FY2001? Explain, including an estimate of the adjusted future capacity.

No such impacts are anticipated.

24. Provide the **maintenance, repair, and equipment expenditure data**. Project expenditures to FY97. Do not include data on Detachments who have received this Data Call directly. The following definitions apply:

MRP: Maintenance of Real Property Dollars is a budgetary term used to gather the expenses or budget requirements for facility work including recurring maintenance, major repairs, and 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.

CPV: Current Plant Value of Class 2 Real Property is 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.

ACE: Aquisition Cost of Equipment is the total 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.

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Fiscal Year	MRP (\$M)	CPV (\$M)	ACE (\$M)
FY1985	6.34	531	
FY1986	5.66	541	.4
FY1987	5.63	546	.5
FY1988	5.89	561	.9
FY1989	6.43	581	.9
FY1990	6.59	593	1.7
FY1991	8.43	641	.8
FY1992	7.46	556	1.4
FY1993	6.57	582	2.2
FY1994	4.43 + .022842 USMC	604	.5
FY1995	4.88 + .309286 USMC	622	.2
FY1996	5.61 + .309286 USMC	641	.4
FY1997	3.45 + .309286 USMC	660	0

25a. Provide data on the BOQs and BEQs assigned to your current plant account. The desired unit of measure for this capacity is people housed. Use CCN to differentiate between pay grades, i.e., E1-E4, E5-E6, E7-E9, CWO-O2, O3 and above.

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ 639 72112	96	48			96	22,197		
BEQ 640 72112	56	28			56	11,378		
72113	56	56			56	22,755		
BEQ M303 72111	69	28					69	14,615

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:

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?

Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?

Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None.

As compared with a PRV of \$1,586,800, the CWE of NAS Miramar O&M,N project R29-84 to modernize the building to current standards for existing BQ inventory is \$2,360,600.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M301 72111	70	28					70	14,615

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?

Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?

Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
As compared with a PRV of \$1,586,800, the NAS Miramar AIS items for M301 total \$12,400 since it was modernized in 1991. No examination has been made into what would be involved to upgrade the building to current standards for existing BQ inventory, but it would probably be similar to that of other current 28-room BEQ's since criteria for even modernized BEQ's are so much higher than BEQ M30 configuration and features.

g. Has this facility condition resulted in C3 or C4 designation on your BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M302 72111	70	28					70	14,615

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?

Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?

Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
As compared with a PRV of \$1,586,800, the NAS Miramar AIS items for M302 total \$18,000 since it was modernized in 1991. No examination has been made into what would be involved to upgrade the building to current standards for existing BQ inventory, but it would probably be similar to that of other current 28-room BEQ's since criteria for even modernized BEQ's are so much higher than BEQ M302 configuration and features.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M300 72111	70	28					70	14,615

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?

Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?

Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
As compared with a PRV of \$1,586,800, the NAS Miramar AIS items for M300 total \$11,600 since it was modernized in 1991. No examination has been made into what would be involved to upgrade the building to current standards for existing BQ inventory, but it would probably be similar to that of other current 28-room BEQ's since criteria for even modernized BEQ's are much higher than BEQ M300 configuration and features.

g. Has this facility condition resulted in C3 or C4 designation on your BASEREP? Yes, C3

21a. Indicate the aviation support equipment storage requirements for FY1994 by completing the following table. Do not repeat storage of equipment in hangars discussed in questions 17 and 18.

Squadron/Det	Open Storage Req/Laydown(SF)	Covered Storage Req/Laydown(SF)	General Characterization of Equipment/Supplies stored
NAS AIMD	1,355	0	Aircraft Support Equipment including self-propelled and non-self-propelled equipment and maintenance stands

21b. Indicate the aviation support equipment storage requirements for FY2001 by completing the following table. Do not repeat storage of equipment in hangars discussed in questions 17 and 18.

Squadron/Det	Open Storage Req/Laydown(SF)	Covered Storage Req/Laydown(SF)	General Characterization of Equipment/Supplies stored
MWSS-373	204,000	35,000	Supply, NBC, Exped Airfield
MATCS-48		22,000	
MAG-11		55,000	IMRL & aircraft inv.
MWCS-38	24,000	22,000	
3d MAW		188,000	Base loading, aircraft
3d MAW	58,000	148,000	Gen storage shed
VMFA-134	3,000	5,000	GSE/Ordnance
HMM-764	3,000		GSE
FREST	20,000		

21c. Utilizing the general supply storage category codes listed in the following table, provide the amount of space available, under your plant account, presently classified as adequate, substandard, and inadequate.

CCN	Facility Type	Ave Age	Unit Measure	Adequate	Substandard	Inadequate	Total	Comments
441-xx	General Supply Storage-Covered	25	SF	185,571	9,689	448	195,708	NONE
451-xx	General Supply Storage - Open	30	SY	18,444	-	-	18,444	NONE

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

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M299 72111	70	28					70	14,615

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF THE FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?

Unknown

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?

Unknown

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING: None. As compared with a PRV of \$1,557,200, the NAS Miramar AIS items for M299 total \$11,600 since it was modernized in 1991. No examination has been made into what would be involved to upgrade the building to current standards for existing BQ inventory, but it would probably be similar to that of other current 28-room BEQ's since criteria for even modernized BEQ's are so much higher than BEQ M299 configuration and features.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M298 72111	69	27					69	14,615

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?
Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
As compared with a PRV of \$1,586,800, the CWE of NAS Miramar O&M,N project R10-84 to modernize the building to current standards for existing BQ inventory is \$2,360,600.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M297 72111	39	16					39	9,052
72140	40	Open Bay 1					40	5,563

a. FACILITY TYPE/CODE: BEQ 72111 and 72140

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6 (CCN 72111). Berthing for restricted personnel (CCN 72140).

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?

Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?

Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
As compared with a PRV of \$1,625,600, the NAS Miramar AIS items for M297 total \$60,400 since it was modernized in 1991. No examination has been made into what would be involved to upgrade the building to current standards for existing BQ inventory, but it would probably be similar to that of other current 28-room BEQ's since criteria for even modernized BEQ's are much higher than BEQ 297 configuration and features.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M296 72111	67	26					67	14,615

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?

Unknown.

e. What OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?

Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None

As compared with a PRV of \$1,586,800, the CWE of NAS Miramar O&M,N project R16-84 to modernize the building to current standards for existing BQ inventory is \$2,360,600.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M295 72111	53	19					53	11,228

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for NAS Miramar Security Detachment personnel, E1-E6. (The remaining 3,387 SQ FT of the facility are used as armory, training material storage and administrative office for Security Department.)

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?

Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?

Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
As compared with a PRV of \$1,581,900, the CWE of NAS Miramar O&M,N project R14-84 to modernize the building to current standards for existing BQ inventory is \$2,181,700.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M304 72111	72	29					72	14,747

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy Selected Reservists (SELRES) on weekend training or on Active Duty for Training (ACDUTRA), E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?

Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?

Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
As compared with a PRV of \$1,601,200, the CWE of NAS Miramar O&M,N project R4-84 to modernize the building to current standards for existing BQ inventory is \$2,360,300.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BOQ M312 72411	15	15					15	8,206
72412	66	66					66	58,510

a. FACILITY TYPE/CODE: BOQ 72411 and 72412

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for permanent party and transient officers and equivalent civilian personnel; also, Front Desk/Hospitality Center and other office space for centralized BEQ/BOQ operations

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?

Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?

Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None

As compared with a PRV of \$7,957,900 the CWE of NAS Miramar O&M,N project RCM7-87 to modernize the building is \$969,800; the Step II for this project was written in late 1992 before current standards for BOQ were developed, so this figure underestimates the cost to modernize.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BOQ M325	56	56					56	39,292

a. FACILITY TYPE/CODE: BOQ 72412

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for permanent party and transient officers and equivalent civilian personnel; also, 1,152 SQ FT is used a administrative storage for Chaplain

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?

Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?

Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
As compared with a PRV of \$4,478,200 the CWE of NAS Miramar O&M,N project R7-93 to modernize the building is to current standards is \$2,005,200

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M328 72111	130	48 Rooms & 2 Open Bays					130	28,424

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?

Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?

Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
Capacity of 130 assumes the two open bays have been converted into rooms. As compared with a PRV of \$3,086,200, the CWE of NAS Miramar O&M,N project R16-85 to modernize the building to current standards for existing BQ inventory is \$2,885,800.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M329 72111	130	48 Rooms & 2 Open Bays					130	28,424

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY?

Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?

Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?

Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
Capacity of 130 assumes the two open bays have been converted into rooms. As compared with a PRV of \$3,086,200, the CWE of NAS Miramar O&M,N project R17-85 to modernize the building to current standards for existing BQ inventory is \$2,680,500.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ M331 72111	130	65					130	28,425

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy Fleet Aviation Replacement Program (FRAMP) students, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?

Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?

Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None

As compared with a PRV of \$3,086,300, the CWE of NAS Miramar O&M,N project R19-85 to modernize the building to current standards for existing BQ inventory is \$2,885,800.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ 382 72111	72	37					2	16,829

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?

Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?

Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None

As compared with a PRV of \$1,827,200, the CWE of NAS Miramar O&M,N project R20-84 to modernize the building to current standards for existing BQ inventory is \$1,841,000.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ 383 72111	74	38					74	16,829

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

(1) F30 = Total obsolescence or deterioration/building or structure (total)

(2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?

Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?

Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None.

As compared with a PRV of \$1,827,200, the CWE of NAS Miramar O&M,N project R21-84 to modernize the building to current standards for existing BQ inventory is \$1,841,000.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ 384 72111	71	37					71	16,829

a. FACILITY TYPE/CODE: BEQ 72111

b. WHAT MAKES IT INADEQUATE?

- (1) F30 = Total obsolescence or deterioration/building or structure (total)
- (2) C45 = Design criteria/seismic design

c. WHAT USE IS BEING MADE OF FACILITY? Berthing for Navy deployable air squadron personnel, E1-E6

d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?

Unknown.

e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?

Unknown.

f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING. None
As compared with a PRV of \$1,827,200, the CWE of NAS Miramar O&M,N project R22-84 to modernize the building to current standards for existing BQ inventory is \$1,788,400.

g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP? Yes, C3

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
BEQ 532 72111	96	48			96	19,728		
BEQ 533 72111	96	48			96	19,728		
BEQ 534 72111	96	48			96	19,728		
BEQ 535 72111	96	48			96	19,728		
BEQ 536 72111	96	48			96	19,728		
BEQ 537 72111	96	48			96	19,728		
BEQ 697 72111	192	96	192	30,385				
BEQ 698 72111	324	162	324	56,321				

5b. Provide data on the BOQs and BEQs projected to be assigned to your plant account in FY 1997. The desired unit of measure for this capacity is people housed. Use CCN to differentiate between pay grades, i.e., E1-E4, E5-E6, E7-E9, CWO-O2, O3 and above.

<u>CCN</u>	<u>TOTAL PN</u>
72111	2,035
72112	261
Total:	2,296

Marine Corps BRAC MCON P-002T

25c. What **additional BOQ/BEQ requirements**, if any, in FY 2001 have been identified as a result of BRAC I, II, & III and non-BRAC realignments, which are not reflected in the table above.

<u>CCN</u>	<u>TOTAL PN</u>
72113	358

Marine Corps BRAC MCON P-014T

6a. For military married **family housing** assigned to your plant account provide the following information:

Type of Quarters	Number of Bedrooms	Total number of units	Number Adequate	Number Substandard	Number Inadequate
Officer	4+	0			
Officer	3	0			
Officer	1 or 2	0			
Enlisted	4+	0			
Enlisted	3	0			
Enlisted	1 or 2	0			
Mobile Homes		0			
Mobile Home lots		0			

(Note : All married family housing located on board NAS Miramar is on the PWC San Diego plant account.)

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:

- a. FACILITY TYPE/CODE:
- b. WHAT MAKES IT INADEQUATE?
- c. WHAT USE IS BEING MADE OF THE FACILITY?
- d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
- e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?
- f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING:
- g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP?

26b. What **additional family housing requirements**, if any, in FY 2001 have been identified as a result of BRAC I, II, III and non-BRAC realignments?

There are currently 2672 family housing units programmed.

27. For personnel assigned to your base and tenant activities who live in **government quarters other than yours**, within the commuting area, indicate the plant account holder UIC for their quarters.

All Navy family housing in the San Diego area is on the PWC San Diego plant account. Their UIC is 63387.

28a. Provide data on the messing facilities assigned to your current plant account.

Facility Type, CCN and Bldg. #	Total Sq. Ft.	Adequate		Substandard		Inadequate		Avg # Noon Meals Served
		Seats	Sq Ft	Seats	Sq Ft	Seats	Sq Ft	
M305 72210	58,614	638	12,610					1,284

28b. Provide data on the messing facilities projected to be assigned to your plant account in FY 1997.

Facility Type, CCN and Bldg. #	Total Sq. Ft.	Adequate		Substandard		Inadequate		Avg # Noon Meals Served
		Seats	Sq Ft	Seats	Sq Ft	Seats	Sq Ft	
M305 72210	58,614	638	12,610					1,284

We have no authoritative information of changes. 28b. is the same as FY94 data provided as item 28a.

28c. What additional messing requirements, if any, in FY2001 have been identified as a result of BRAC I, II, and III and non-BRAC realignments, which are not included in the table above.

BRACON P-005T Enlisted Dining facility rehabs 29,899 SF @ \$7,025,256.

29a. Real Estate Resources. Identify in the table below the real estate resources which have the potential to facilitate future development and for which you are the plant account holder 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. 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" areas that are 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).

Real Estate Resources

Site Location: MCAS (proposed) MIRAMAR

Land Use	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Maintenance	162	129		33
Operational	1085	767	174	144
Training	15108	150	8500	6458
R & D	40	40	0	0
Supply & Storage	119	51	0	68
Admin	150	21	0	129
Housing	85	80	0	5
Recreational	2,023	283	1676	64
Navy Forestry Program	7.25	7.25	0	0
Navy Agricultural Outlease Program	427.89	427.89	0	0
Hunting/Fishing Programs	5.1	5.1	0	0
Other	4140	4140	0	0
Total:	23,352.24	6101.24	10,350	6901

29b. Identify the features of this air station that make it a strong candidate for basing/training other types of aircraft/aircrews and other operational units in the future.

- This station has two active runways and one emergency runway.
- Limited room for expansion.
- Proximity to other military stations and training facilities areas.
- Proximity to the community/city.
- Free landfill tipping fees at on-base landfill operated by the city
- Few destructions in accident potential zones.
- Good stewards of the environment, coexisting harmoniously with wetlands (vernal pools) and endangered plants and animals.

30. WEAPONS AND MUNITIONS: Please answer the following questions if your activity performs any stowage or maintenance on any of the following ordnance commodities types:

ORDNANCE COMMODITY TYPES		
Mines	Expendables	LOE: Rockets
Torpedoes	INERT	LOE: Bombs
Air Launched	CADS/PADS	LOE: Gun Ammo (20mm-16")
Threat	Strategic Nuclear	LOE: Small Arms (up to 50 cal.)
Surface Launched	Tactical Nuclear	LOE: Pyro/Demo
Threat		Grenades/Mortars/Projectiles
Other Threat		

30a. 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).

Total Facility Ordnance Stowage Summary

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM RATED CAPABILITY	
	Tons	SQ FT	Tons	SQ FT	Tons	SQ FT
Main Base						
403	0	0	<u>Explosive</u> 1025 4350		20.0	209
404	5.0	600			7.5	1218
527	0.8	100	<u>Inert</u> weight 2640 determined by Sq Ft capacity capacity		7.5	456
528	5.0	300			7.5	500
529	0,0	0			7.5	500
530	0.1	20			7.5	140
605	2.0	300			140.0	1400

Facility Number	PRESENT INVENTORY		PREDICTED INVENTORY FY 2001		MAXIMUM RATED CAPABILITY	
	Tons	SQ FT	Tons	SQ FT	Tons	SQ FT
648	4.5	600			200	2170
M237	45	1500			125	9000
East Miramar						
K237	3.3	90			7.5	140
K238	5.4	105			7.5	140
K239	0.3	20			35	500
K240	0.4	50			125	1250
K241	118	1150			125	1250
K242	43	500			125	1250
K243	92	550			125	1250
K244	1.3	90			125	1250
K245	7.1	120			125	1250
K246	88	600			125	1250
K247	14	170			125	1250
K248	48	700			125	1250
K249	25	320			125	1250
TOTAL	503.7	7285			1822.5	28873

Remarks: Maximum Rated Capability is total storage weight not explosive weight.
Net Explosive Weight (NEW) varies based on type and specific location of the magazine (explosive arc). Further breakdown of future capacity of each storage facility would be meaningless because of those variables.
Capacity for NAS Miramar is currently 1290 NEW. However, the scheduled magazine demolition will result in capacity going down to 500 NEW.

30b. 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.

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
Main Base			
403 /S	None	N/A	Inert
404 /Z	3	Trng Stock	1-7, 10-15
527 /F	3	Trng Stock	1-7, 10-15
528 /F	12	Trng Stock	1-7, 10-15
529 /F	13	Trng Stock	1-7, 10-15
530 /H	14	Trng Stock	1-7, 10-15
605 /R	7,12,13	Trng Stock	7,12,13
648 /S	6	Trng Stock	6
M237 /S	6	Trng Stock	6
East Miramar			
K237 /H	11	Trng Stock	1-7, 10-15
K238 /H	11	Trng Stock	1-7, 10-15
K239 /F	10	Op Stock	1-7, 10-15
K240 /B	7,14	Op Stock	1-7, 10-15
K241 /B	11	Op Stock	1-7, 10-15

K242 /B	13	Deep Stow (War Reserve)	1-7, 10-15
K243 /B	11	Trng Stock	1-7, 10-15
K244 /B	7	Op Stock	1-7, 10-15
K245 /B	7,12,15	Deep Stow (For Demil)	1-7, 10-15
K246 /B	12	Trng Stock	1-7, 10-15
K247 /B	3	Trng Stock	1-7, 10-15
K248 /B	None	N/A	1-7, 10-15
K249 /B	3	Trng Stock	1-7, 10-15

Facility Types:

Z - Non-standard F - 25' x 20' Igloo
H - 10' x 14' R - Ready Service Lockers
S - Inert Storehouse B - 25' x 50' Igloo
CALA - Combat Aircraft Loading Area

Ordnance Commodity Types:

9 - Tactical Nuclear
1 - Mines 10 - Rockets
2 - Torpedoes 11 - Bombs
3 - Air Launched Threat 12 - Gun Ammo (>=20mm)
4 - Surface Launched Threat 13 - Small Arms (<=.50)
5 - Expendables 14 - Pyro/Demo
6 - Inert 15 - Grenades/Mortars/Projo
7 - CADS/PADS
8 - Strategic Nuclear

Additional comments: Trng Stock - Own activity use (Training). This counts ammunition for all tenant activities and includes operational ammunition used for training. Op Stock - Own activity use (operational stock).

30c. Identify the rated category, rated NEW and status of ESQD arc for each stowage facility listed above.

Facility Rated Status

Facility Number/Type	Hazard Rating (1.1-1.4)	Rated NEW	ESQD Arc		
			Established (Y/N)	Waiver (Y/N)	Waiver Expiration
Main Base					
403 /S	Inert	0	N/A	N/A	N/A
404 /Z	1.1	3000	Y	Y	3/31/95
527 /F	1.1	3000	Y	Y	3/31/95
528 /F	1.1	3000	Y	Y	3/31/95
529 /F	1.1	3000	Y	Y	3/31/95
530 /H	1.1	20	Y	Y	3/31/95
605 /R	1.3	10000	Y	N	N/A
648 /S	Inert	0	N/A	N/A	N/A
M237 /S	Inert	0	N/A	N/A	N/A
East Miramar					
K237 /H	1.1	4000	Y	N	N/A
K238 /H	1.1	14000	Y	N	N/A
K239 /F	1.1	50000	Y	N	N/A
K240 /B	1.1	250000	Y	N	N/A
K241 /B	1.1	250000	Y	N	N/A
K242 /B	1.1	250000	Y	N	N/A
K243 /B	1.1	250000	Y	N	N/A
K244 /B	1.1	250000	Y	N	N/A
K245 /B	1.1	250000	Y	N	N/A
K246 /B	1.1	250000	Y	N	N/A
K247 /B	1.1	250000	Y	N	N/A
K248 /B	1.1	250000	Y	N	N/A
K249 /B	1.1	250000	Y	N	N/A

Facility Number/Type	Hazard Rating (1.1-1.4)	Rated NEW	ESQD Arc		
			Established (Y/N)	Waiver (Y/N)	Waiver Expiration
595 - PACKING FACILITY	1.1	400	Y	N	N/A
Aircraft Facilities					
PRIMARY CALA/RED LABEL AREA	1.1	30000	Y	N	N/A
SECONDARY CALA	1.2	5000	Y	N	N/A
BORESIGHT TUNNEL	1.4	4	Y	N	N/A

Facility Types:

Z - Non-standard F - 25' x 20' Igloo
H - 10' x 14' R - Ready Service Lockers
S - Inert Storehouse B - 25' x 50' Igloo
CALA - Combat Aircraft Loading Area

30d. 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.

1. Bldg 403 was intended for use as an operating building. Current explosive hazard restrictions prohibit this use due to intraline distances. Building 403 is now designated for inert stowage with no changes programmed.

2. Bldg 648 was designed to be a missile assembly shop (operating building). Building does not meet current explosive handling requirements for lightning protection. The Explosive Safety Quantity Distance (ESQD) Arc would encompass Kearny Villa Road and water storage tanks to the East and the Jet Engine Test Cells to the West. No cost estimate has been done for upgrade electrical grounding system to meet specifications. Building 648 is now used for inert stowage with no changes programmed.

3. Magazines 527, 528, 529 and 404 have physical capacities that far exceed their currently approved Net Explosive Weights (N.E.W) of 3,000 lbs each. These magazines were previously cited for N.E.W.'s of 15,000 lbs each, but the authorized N.E.W.'s were reduced to mitigate explosive hazards to inhabited areas. No fix or cost estimates identified.

4. No bomb assembly facility exists aboard NAS Miramar. All bomb assembly evolutions are conducted at the Combat Aircraft Loading Area on bomb skids and trailers. Simultaneous aircraft loading and bomb assembly operations are prohibited by the explosive site approval. No fix or cost estimates identified.

5. The overshoot area of the rifle range intersects the flight pattern of NAS Miramar Runways 24 and 28 and encompasses a section of roadway leading to the magazine area and a Department of Energy (D.O.E.) leased area. Anytime aircraft are in the landing pattern of Runway 24 or 28 and anytime vehicular traffic is in the aforementioned roadway all rifle range firings are suspended. Due to the geography of the area and existing structures no known alternative exists.

6. Roadways to the Magazine Area in East Miramar are too narrow for two way traffic for explosive laden vehicles. Anytime explosive laden vehicles use the road an escort vehicle clears the road ahead, effectively turning the road into a one way thoroughfare. Initial liaison was conducted with a local construction company to obtain free fill dirt and grading for roadway widening. Project fell through due to environmental concerns. No cost estimate for environmental studies or construction established to date.

30e. 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 (FY 1994); identify only those DLMHs expended by personnel under your command.

Related Ordnance Support

Related Functions	Performed? (Y/N)	Type of Commodity	DLMHs
Maintenance - Intermediate	Y	3, 6, 7, 10, 11, 14	5000
Maintenance - Organizational	Y	3, 6, 7, 10, 11, 14	1000
Testing	N	N/A	N/A
Manufacturing	N	N/A	N/A
Outload	N	N/A	N/A
Technical Support	N	N/A	N/A

- Ordnance Commodity Types:
- | | |
|-----------------------------|--------------------------------|
| 1 - Mines | 9 - Tactical Nuclear |
| 2 - Torpedoes | 10 - Rockets |
| 3 - Air Launched Threat | 11 - Bombs |
| 4 - Surface Launched Threat | 12 - Gun Ammo (≥ 20 mm) |
| 5 - Expendables | 13 - Small Arms ($\leq .50$) |
| 6 - Inert | 14 - Pyro/Demo |
| 7 - CADS/PADS | 15 - Grenades/Mortars/Projo |
| 8 - Strategic Nuclear | |

Remarks: Type ordnance and maintenance levels performed LAW OPNAVINST 8600.2A Chapter 2.2.

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

MajGen P. D. WILLIAMS
NAME (Please type or print)



Signature

Commander
Title

3 Jun 94

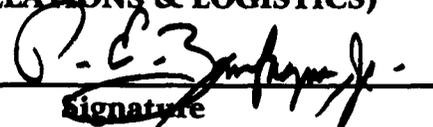
Date

Marine Corps Air Bases, Western Area
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)

P. E. ZANFAGNA, Jr.
NAME (Please type or print)
Acting Deputy Chief of
Staff (Installations and



Signature

Title Logistics)

8 July 94

Date

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

MajGen P. D. WILLIAMS
NAME (Please type or print)


Signature

Commanding Officer
Title

3 Jun 94
Date

Marine Corps Air Station El Toro
Activity

BRAC-95 CERTIFICATION

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

Col R. P. EICHORN
NAME (Please type or print)

Deputy Assistant Chief of Staff
Title



Signature
3 JUN 94

Date

Base Realignment and Closure
Department

Marine Corps Air Bases, Western Area
Activity

Enclosure (1)

BRAC-95 CERTIFICATION

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

R. LOWERY (LTCOL)

NAME (Please type or print)

ASSISTANT CHIEF OF STAFF TRAINING

Title



Signature

3 JUNE 94

Date

STATION TRAINING

Division

HQHQRON

Department

MCAS EL TORO

Activity

BRAC-95 CERTIFICATION

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

JOEL S. LANDI
NAME (Please type or print)

DEPT HEAD
Title

BMC
Division

RPV
Department

MCAS EL TDFU
Activity


Signature

3 JUN 94
Date

BRAC-95 CERTIFICATION

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

E. R. Downum JR.
NAME (Please type or print)
Deputy G-3 / LtCol USMC
Title


Signature
6/3/94
Date

AC/S G-3
Division

MCAS EL TORO
Department

Activity

16

BRAC-95 CERTIFICATION

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

DATA CALL: 16

ACTIVITY: MCRS MIRAMAR (PROPOSED)

PAGE (S): 29, 30, 31, 31a, 40, 66

BSWG REVIEW OFFICIAL

G.W. MOORE
NAME (Please type or print)

MAJOR, LONG RANGE LAND USE PLANNER
Title

G.W. Moore
Signature

28 OCT 94
Date

MCAS MIRAMAR DATA CALL 16 PAGE CHANGES

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 of print)

Signature

Title

Date

Activity

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

MAJOR CLAIMANT LEVEL

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 belief.

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

J.A. BRABHAM
LIEUTENANT GENERAL, U.S. MARINE CORPS

DEPUTY CHIEF OF STAFF FOR
NAME (Please type of print)
INSTALLATIONS AND LOGISTICS

Signature

Date

Title

[Handwritten Signature]
2/2/94