

1.3 Identify any specialized, unique or peculiar characteristics about your facilities, equipment, or skills at your activity to provide for ordnance storage? Highlight those that are "one of a kind" within the DON/DoD.

Concord routinely performs the mission of ordnance storage and has the appropriate equipment and skills to perform that function. Explosive certified forklifts, cranes, slings, vehicles, railcars, barges and other ordnance handling equipment is the major part of the station's plant equipment. Concord also has the personnel with the proper training and skills to handle and store any explosive material.

Concord is unique in having a facility for on-board training in AE type winch operations and a mock-up of a bulk load hold for forklift and blocking and bracing classes. These unique facilities, while not large or imposing, are the only ones known to train civilians and reservists to work on AEs and other breakbulk ships. These are facilities that provide a wider range of skills for personnel who normally perform storage functions and occasionally are assigned to the waterfront for large bulk load ordnance shipments.

Concord is unique in that it has ordnance storage immediately adjacent to the largest Net Explosive Weight (NEW) arcs and largest outload capacity piers in the Navy. Concord is unique in DOD in that respect because the only other large NEW port at Sunny Point on the East Coast has no long term storage capability at all. This proximity of storage to high NEW piers permits bulk quantities of ordnance to be kept adjacent, and with immediate access, to bulk loaded ships. This significantly shortens the Navy's logistics pipeline for urgently needed assets and keeps CONUS transportation costs to a minimum.

Concord has been designated to be the primary containerized ammunition transshipment point on the West Coast. A capability of 600 MILVAN containers a day is being created.

Perform and execute support for Army and Air Force Preposition Afloat Ammunition Programs. This mission is unique in that all inert as well as all ordnance maintenance handling functions are performed at Concord. Only Concord provides both the capability for performing maintenance of inert items as well as handling and loading the large quantities of explosive ordnance aboard these ships.

1.4 What percent of your total ordnance storage is performed for DON?

DON storage provided = 96.93 %

1.5 What percent of your total ordnance storage is performed for commercial manufacturers, other Military Depts or DoD agencies? List these customers and percent utilization.

FMS effort =	0.03%
Commercial effort =	-0- %
Other Military Departments (Army) =	0.01%
Other Military Department (Air Force) =	0.03%
Other DoD Agencies (specify) =	3.0% (COAST GUARD)

2. Ordnance Outload Facility

2.1 What type of ordnance pier side outload facility (container, bulk/breakbulk or specialized) does the station, magazine, or facility operate and what type of vessel can be accommodated? In the table below mark with an "X" those operations at your facility. If your facility accommodates other vessels at anchorage, please note below.

Table 2.1: Outload Characteristics

	Container	Bulk/Break Bulk	Specialized
Amphibious		X	Note: 1
Combatant		X	
CV/CVN		X	
Submarines		X	
CLF	X	X	Note: 1
Other Break Bulk	X	X	Note: 2
Container Ship	X	X	Note: 3
Other: Barges	X	X	Note: 4

1. WPNSTA Concord has the capability to handle Landing Force Reserve Operational Material (L-FORM) which can be loaded on CLF Ships (AE'S) and the material transferred at sea to LPH, LPD, LKA, LHA and LHD Amphibious vessels. Small combatants are accommodated at piers. All larger vessels are handled at explosives anchorages.
2. Pier 3 berth 4 & Pier 4 berth 6 can handle RO/RO vessels that are configured with port side stern gates.
3. MILCONS for FY's 95, 97 and 98 will upgrade pier 3 to a full scale container facility.
4. Lighter Aboard Ship (LASH) barges can onloaded simultaneously at all 6 berths.

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5. WPNSTA Concord does not perform VLS operations. However, if needed, we can load/offload VLS assets at our anchorages.

2.2 What is the daily (single shift) throughput capacity of the facility in tons for each of the three major types of naval ordnance, i.e. LOE, Threat, Strategic? If your function measures throughput using another unit of measure, provide data in terms of tons in first and your unit of measure in a separate table (specify unit of measure).

Table 2.2: Maximum Daily Throughput

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Ordnance Categories	FY 90	FY 91	FY 92	FY 93	FY 94	FY 95	FY 96	FY 97
LOE	4,230	4,230	4,230	4,230	4,230	4,230	4,230	4,230
Threat	90	90	90	90	90	90	90	90
Strategic	—	—	—	—	—	—	—	—
Other	180	180	180	180	180	180	180	180
TOTAL	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500

- a. Maximum daily throughput is based on the maximum rated capacity, using a total of 72 stevedoring teams working a 1-10 shift can load approximately 4,500 short tons. The mix of ordnance was derived from FY 91 and 92 data.
- b. Maximum daily throughput is not expected to diminish between FY 90 through 97. However, in FY 99, Pier 3 will have container capability and maximum throughput capability will increase.

2.3 Identify any specialized, unique or peculiar characteristics about your facilities, equipment, or skills at your activity to attain the above throughput? Specify those that are one of a kind within the DON/DoD.

Primary unique characteristics are:

- a. Total Net Explosive Weight (NEW) permitted at the three main piers (six berths) and the barge pier is:

<u>Pier</u>	<u>NEW (lbs)</u>
2	6.1M
3	11.2M
4	6.0M
Barge Pier	750K

- b. Total NEW at anchorages is:

<u>Anchorage</u>	<u>NEW (lbs)</u>
12	6.0M
13	.1M
14	6.0M
26 *	5.1M

* Request to establish as an explosive anchorage requires a letter to the COTP, San Francisco, within 45 days of requested activation.

- c. A 120 Ton Floating Crane is available for onload of non-self sustaining container vessels at pier side or for onload of ships at explosive anchorages.

- d. A total of 31 Navy Barges are available to temporarily store ammunition awaiting ship onloads or for transporting ordnance down bay in support of anchorage operations.
- e. There are 465 station railcars available that can be used to temporarily store ordnance for ships awaiting onload. They are also used to download material from commercial conveyances, thereby providing turn-around of conveyances for reuse. WPNSTA Concord is also supported by over 103 miles of on station rail track used for the movement of station and commercial railcars to support onload and storage requirements. Concord tidal area is supported with 38 barricaded sidings, 36 of which can store up to 225 explosive loaded cars and an additional 41 barricaded sidings are located in the inland area which can store 164 explosive loaded railcars.
- f. Critical skills are available such as Marine Cargo Specialist and Cargo Schedulers. These skills are extremely knowledgeable with 49 Code of Federal Regulations regarding manifesting of cargo, explosive compatibility, weight distribution on material within the ship, stow plans and etc.

2.4 At the maximum throughput levels documented above, and considering explosive quantity-distance constraints, how many ships by type (AEs/AOEs, Containerships, MSNAP breakbulk ships, etc.) can be berthed at your outload facility at one time (optimal configuration)?

Table 2.4: Maximum Outload by Ship Type

Type Ship	Maximum * Number
Navy Breakbulk	1
Other Breakbulk	3
Container/ LASH	2

* With 6 berths, these can be berthed simultaneously.

2.5 If surface combatants and/or submarines outload at your facility, how many of each type can be loaded at one time (optimal configuration)?

Optimal Configuration = 6

A total of 6 combatants such as FFG's LST's and USCG cutters can be pierside and onloaded simultaneously. Larger ships such CG/DD,CVN's would be required to onloaded at explosive anchorages 12,13 or 14 with barges being loaded at the barge pier or at vacant berths.

2.6 If the maximum throughput levels documented above were based on a combination of combatants and other vessels, identify the mix that provides for the maximum outload capability.

Maximum Outload Capability Vessel Mix = *3,850/**4,500 avg.

a. The below listed maximum daily throughput is based on two ten hours shifts.)

TYPE/CLASS SHIP (w/Combatant)	MAX. THROUGHPUT CAP. (S/T)	
1 - Combatant (FFG/LST)	<u>13</u>	R 12/09/94
1 - Navy Breakbulk	<u>315</u>	R 12/09/94
2 - Other Breakbulk	<u>3150</u>	R 12/09/94
2 - Container/LASH	<u>1022</u>	R 12/09/94
TOTAL	<u>4,500</u>	(R 12/09/94)

(2) TYPE/CLASS SHIP (w/o Combatant)**	MAX. THROUGHPUT CAP. (S/T)	
1 - Navy Breakbulk	375	
2 - Other Breakbulk	2,250	
3 - Container/LASH	1,875	
Total	4,500	

b. Loading of Navy/LASH barges are not included in the above listed maximum daily throughput. If loading barges were included in support of anchorage operation this would represent an increase of 600 short tons per 1-10 shift.

2.7 Identify the number of vessels by type, out/downloaded by your activity in the period request (i.e., each trip to the pier = "1").

Table 2.7: Outload History

Vessel Type	FY 1991	FY 1992	FY 1993
Amphibious	1	2	0
Combatant (FFG/LST)	22	13	19
CV/CVN	0	0	0
Submarines	0	0	0
CLF	19	37	31
Other Break Bulk	31	27	12
Container Ship	8	17	10
Other	0	0	0
TOTAL:	81	96	72

2.8 What is the maximum daily (single shift) throughput capability at your facility, measured in tons as a function of ship type? Provide comments if the maximum throughput by ship type would be reduced if multiple ships are being accommodated simultaneously.

Utilize the optimal configuration provided previously to indicate any impact of simultaneous operations.

Table 2.8: Outload History

Vessel Type	FY 1993	FY 1997	Comments
Amphibious	--	--	Note: (1)
Combatant	--	--	Note: (1)
CV/CVN	--	--	Note: (1)
Submarines	N/A	N/A	
CLF	375	375	Note: (1)
Other Break Bulk	2250	2250	
Container Ship	1875	1875	
Other: Navy/LASH Barges	(Non-Add) 600	(Non-Add) 600	Note: (1)
TOTAL:	4,500	4,500	

- a. Maximum daily throughput (single shift) is based on the maximum rated capacity, using a total of 36 stevedoring teams working all 6 berths at a 1-10 shift will load 4500 short tons. A total of 5100 short tons could be achieved by loading barges at the Barge Pier for down bay operations, if required.
- b. The 4,500 short tons is calculated on working larger ships such as Navy breakbulk, other breakbulk and container vessels. The presence of combatants (FFG) and amphibious (LST) vessels at pier side would reduce maximum throughput capability because of the small amount of cargo required and the limited number of stations that can be worked simultaneously. For this reason, they are not be considered as part of the optimal configuration; however, operational or emergency situations would dictate berthing availability. The following type ships are considered the optimal configuration for achieving maximum daily (single shift) throughput capability.

<u>TYPE SHIP</u>	<u>QTY</u>
Navy Breakbulk (AE)	1
Other Breakbulk	3
Container	2
Other (Navy/LASH Barges)	3 - 4

- c. Again, the type ships on berth at any one time dictate the maximum daily (single shift) throughput capability. The maximum capability remains at 4,500 short tons.

Table 2.8 Outload History

NOTE: (1) Barges would be used to transport ordnance to ships that could not transit to WPNSTA Concord because of non-availability of berths or because of channel depth or bridge height restrictions. This would include all ships from the small FFG's to the larger CV/CVN's.

3. Ammunition and Ordnance Maintenance and Testing/Repair and Rework

3.1 In the tables below identify the intermediate level maintenance and testing performed/programmed at your activity in number of units and Direct Labor Man Years (DLMY).

Table 3.1.a: Maintenance and Testing Performance (Units) (Note 1) (R 7/06/94 & 9/27/94)

Ordnance Type WQEC	Units Throughput							
	FY90	FY91	FY92	FY93	FY94	FY95	FY96	FY97
Mines	492	212	12	1,112	300	300	300	300
Torpedoes	0	0	0	0	0	0	0	0
Air Launched Threat	--	--	4	28	8	77	70	66
Surface Launched Threat	--	48	35	23	--	61	55	52
LOE	548,467	346,981	853,879	475,877	340,712	348,262	317,491	303,035
CAD/PAD	13,998	--	1,020	--	300	300	300	300
Grenade/Mortar/Projectile	2,275	1,741	1,332	617	1,000	1,678	1,610	1,580
INERT	0	0	0	0	0	0	0	0
Other (specify)								
Chemical Munitions	29	47	93	--	30	30	30	30
TOTAL	565,261	349,029	856,375	477,657	342,350	350,708	319,856	305,363

* LOE includes rockets, bombs, gun ammo (20mm-16"), small arms (up to 50 cal) and pyro/demo

NOTE 1: It is assumed that this table refers to maintenance as performed by an I-level maintenance facility. The WQEC performs tests, evaluations, inspections, failure analyses and special investigations on the types of ordnance listed in section 3.1. However, we do not perform maintenance actions.

Table 3.1.a: Maintenance and Testing Performance (Units)
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(R 7/06/94 & 9/27/94)

Ammunition/Ordnance Type CONVENTIONAL AMMO	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
Mines	0	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0	0
Air Launched Threat	1.68	2.01	.25	0	.04	.04	.04	.04
Surface Launched Threat	.89	.442	.20	0	0	0	0	0
LOE	136.67	293.72	60.60	383.79	369.02	369.02	369.02	369.02
Other	0	0	0	0	0	0	0	0
Wt Test Ship Gear	.24	1.44	2.00	1.36	4.00	4.00	4.00	4.00
Tomahawk Threat	.30	.33	.36	.97	.17	.17	.17	.17
Af Prepo Onsite	0	0	1,870.0	9,340.00	3,500.00	3,500.00	3,500.00	3,500.00
Army Prepo Onsite	0	0	22,530.00	1,110.38	1,500.00	1,200.00	1,200.00	1,200.00
Af Maint Offsite	0	0	24,654.00	42,050.00	0	0	0	0
Total	139.78	297.94	49,117.41	52,886.50	5,373.23	5,073.23	5,073.23	5,073.23

Table 3.1.b: Maintenance and Testing Performance (DLMYs)

(R 7/06/94 & 9/27/94)

Ammunition/Ordnance Type WQEC	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
Mines	***	***	***	***	***	***	***	***
Torpedoes	0	0	0	0	0	0	0	0
Air Launched Threat	2.29	1.14	.57	.57	2.29	1.72	1.14	.57
Surface Launched Threat	5.15	2.29	2.29	0	3.43	3.24	2.86	2.86
LOE *	23.35	22.27	21.58	22.90	25.93	19.98	20.72	20.15
INERT	0	0	0	0	.02	0	0	0
CADs/PADs	***	0	***	0	**	**	**	**
Grenades/Mortars/Projectiles	***	***	***	***	.285	.285	.285	.285
Mixed Ordnance **	9.50	8.53	10.19	6.12	7.27	7.27	7.27	7.27
Other ***	12.59	14.88	15.46	14.88	14.02	15.46	12.59	8.59
TOTAL	52.88	49.11	50.09	44.47	53.25	47.96	44.87	39.73

Table 3.1.b: Maintenance and Testing Performance (DLMYs)

- * Includes rockets, bombs, gun ammo (20mm - 16"), small arms (up to 50 cal.) and pyro/demo
- ** DLMYs which cannot specifically be broken down into ordnance types.
- *** This includes work efforts not related to unit throughput at our facility. The direct labor shown in the "Other" category includes support provided for calibration of equipments, preparations and issue of specialized technical standards and environmental engineering support to several government facilities.

Table 3.1.b: Maintenance and Testing Performance (DLMYs)

(R 7/06/94 & 9/27/94)

Ammunition/Ordnance Type CONVENTIONAL AMMO	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
Mines	0	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0	0
Air Launched Threat	40.53	36.60	.86	0	.06	.06	.06	.06
Surface Launched Threat	17.50	9.64	3.82	0	0	0	0	0
LOE	25.14	28.68	35.35	15.11	14.31	14.31	14.31	14.31
Wt Test Gear	.63	1.03	1.25	.68	1.08	1.08	1.08	1.08
Tomahawk Threat	2.05	3.76	4.85	0	1.08	1.08	1.08	1.08
AF Prepo Onsite	0	0	255.6	58.5	40.42	40.42	40.42	40.42
ARMY Prepo Onsite	0	0	90.82	4.85	9.0	7.41	7.41	7.41
Af Maint Offsite	0	0	323.77	80.96	0	0	0	0
Army Prepo Off-site	0	0	0	17.16	0	0	0	0
TOTAL	85.85	79.71	716.32	177.26	65.95	64.36	64.4	64.4

3.2 Identify any specialized, unique or peculiar characteristics about your facilities, equipment, or skills at your activity to perform the above work? Highlight those that are one of a kind within the DON/DoD.

OVERALL PROGRAMS:

The in-service testing that is accomplished at the Weapons Quality Engineering Center of WPNSTA Concord is highly specialized nondestructive and destructive or functional testing of a multitude of weapon/ordnance types using equipment/systems designed around specific technology areas. For example, nondestructive testing (NDT) is based upon the technological areas of x-ray, ultrasonic, eddy current, magnetic particle, etc. The NDT systems or equipment developed and

utilized are based around the technology employed, not the item (particular weapon or ordnance material) to be inspected. Specifically, a NDT system developed to real time x-ray rocket motors can be employed to inspect any rocket or missile motor or propulsion unit. Therefore, it is inappropriate and extremely expensive to develop and assign individual systems to each different missile system when one or two NDT systems can provide coverage over the total spectrum.

We employ this same philosophy when developing and employing systems/equipment for the destructive or functional test/inspection of weapons and ordnance materials. For example, a "spin/fire" machine can be (and often is) utilized for a wide range of projectiles and projectile fuzes that require the application of spin to allow a safety interlock mechanism to be overcome. Current and expected future ordnance designs contain safety interlock mechanisms that will prevent the functioning of the explosive train until the weapon or ordnance item is actually fired and experiences the set back of gravitation forces and the centrifugal forces associated with spinning. We develop test and inspection equipment/systems to overcome these safety interlocks so that the items can be tested. As with the NDT systems noted above, these equipment can and are employed to inspect many different items. Therefore, it is again inappropriate to assign each individual equipment/system to a particular weapon/ordnance item.

GUN AMMO:

Our test capability is completely mobile. We can move the people and equipment to the explosives. This process allows test, evaluation and reconditioning as necessary with the least amount of handling or transshipment of the stockpile. Additionally, we representatively sample the stockpile to evaluate the overall quality of the stockpile. Shipping costs are due to moving four or five 20' milvans (depending on the site) and the necessary test and evaluation equipment/systems to the inspection site.

NDT:

Our NDT facilities, equipment and staffing allow for rapid implementation of highly efficient state-of-the-art NDT systems which have significantly reduced the cost of nondestructive inspections and tests. Our organization is unique in that it combines physicists and engineers with production inspection personnel at a common facility. This combination of personnel, supported with specialized equipment/systems at our multi-purpose facilities at Concord and installed in mobile 20' milvans, allows them to rapidly respond to immediate inspection needs with high production rate, state-of-the-art, and cost effective nondestructive inspection services.

3.3 What percent of your total maintenance and testing effort on ordnance is performed for: FMS, commercial manufacturers, other Military Departments, or other DoD agencies?

FMS effort = 0.1%
 Commercial effort = 0%
 Other Military Departments (Army) = 9%
 Other Military Department (Air Force) = 40.4%
 Other DoD Agencies (specify) = 0%

NOTE: Based on FY 94 effort (DLR & ILM) ordnance, includes ASE.

3.4 Identify in the table below the DLMYs expended in the RSSI process that are related to the rework and repair of ordnance (these hours should not be duplicated in Table 3.1 above).

MAINTENANCE DURING SEGREGATION

Table 3.4: Rework and Repair Performance (DLMYs)

R 7/06/94

Ammunition/Ordnance Type	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
Mines	0	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0	0
Air Launched Threat	0	0	0	0	0	0	0	0
Surface Launched Threat	0	0	0	0	0	0	0	0
LOE	0	411	255	72	288	288	288	288
Other	0	0	0	0	0	0	0	0
TOTAL	0	411	255	72	288	288	288	288

3.5 Specify in the table below the type of depot maintenance performed/programmed on ordnance in DLMYs for the years requested.

Table 3.5: Level of Depot Maintenance

R 7/06/94

Type of Depot Maintenance	FY 1993	FY 1997
SMS HANDLING GEAR	1.48	1.03
TOMAHAWK OHE	.5	1.08
AVIATION SUPPORT EQUIPMENT (ASE)	14.25	31.6

Rework**4. Packaging and Handling Equipment**

4.1 For each type of packaging or handling equipment designed/manufactured and/or maintained/repared identify the number of DLMYs associated with that function.

Table 4.1: Packaging and Handling Workload

R 7/06/94

Packaging/Handling Equipment Type	Design/Manufacturing				Maintenance/Repair			
	FY 1991	FY 1993	FY 1995	FY 1997	FY 1991	FY 1993	FY 1995	FY 1997
MK 30 SKIDS	0	0	0	0	.7	.5	.9	.9
CLOSURE PROT COVERS	0	0	0	0	.2	.1	.2	.2
A/L CNTRS	0	0	0	0	3.6	0	.4	.4
SMS CNTRS PLUS FMS	0	0	0	0	2.7	.1	0	0
MISC CNTRS	0	0	0	0	.6	.1	0	0
MK 6 DLLY/SKIDS	0	0	0	0	2.4	1.5	1.0	1.0
TEST/LOAD STAND	0	0	0	0	.1	0	0	0
HNDG BANDS	0	0	0	0	.1	0	0	0
DOLLY ADAPTER SET	0	0	0	0	.2	0	0	0
WT SHIP GEAR	0	0	0	0	1.1	.4	1.1	1.1
ASE CRANES	0	0	0	0	0	10.5	10.5	10.5
ASE GROUND SUPPORT EQUIP	0	0	0	0	0	1.5	1.5	1.5
ASE-SLINGS (VARIOUS)	0	0	0	0	0	2.6	2.6	2.6
ASE-WDN CRATES F/SLINGS	0	0	0	0	0	0.1	0.1	.1

4.2 Identify any specialized, unique or peculiar characteristics about the facilities, equipment, or skills at your activity to perform the above work? Highlight those that are one of a kind within the DON/DoD.

WPNSTA Concord has a 25' x 50' portable berm and waste water treatment system for on-site and remote steam cleaning operations.

WPNSTA Concord has one 16' x 16' x 8' and one 12' x 32' x 8' paint booths and associated equipment for the approved application of polyurethane and epoxy primers and exterior coatings.

WPNSTA Concord has a 12' x 24' x 8' and a 16' x 32' x 12' grit blast booths and associated equipment, for the removal of exterior/interior coatings/corrosion. This equipment is permitted and approved for use under local, state and federal regulations.

WPNSTA Concord has weight and load testing capabilities that exceed 150,000 lbs. and 45' length of pull for ordnance handling equipment and ships support equipment.

WPNSTA Concord has full conventional machine shop capabilities. Some CNC equipment is available and under CPP procurement.

WPNSTA Concord is a NAVSEA certified welding facility for container, ordnance handling equipment and ships support equipment depot repair.

4.3 What percent of the above work is performed for FMS, other Military Departments, commercial manufacturers, or other DOD agencies?

FMS effort =	.1%
Commercial effort =	0%
Other Military Departments (Army) =	0%
Other Military Department (Air Force) =	0%
Other DoD Agencies (specify) =	0%

NOTE: Based on FY94 effort (ILM & DLR), including ASE.

5. Tactical and Strategic Nuclear Weapon Support

5.1 How many workyears are employed for strategic weapon support at your facility? How many workyears are planned for strategic weapon support through FY 1997?

SUBMITTED AS A CLASSIFIED ANNEX

Table 5.1: Tactical and Strategic Nuclear Weapon Support

Weapon System	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997

5.2 Identify any specialized, unique or peculiar characteristics about the facilities, equipment, or skills at your activity to perform the support work for the strategic weapon systems? Highlight those that are one of a kind within the DON/DoD.

ADDRESSED UNDER SEPARATE CORRESPONDENCE

5.3 What alternatives exist for providing the support services e.g. another Navy activity, DoD agency, etc.? Explain.

ADDRESSED UNDER SEPARATE CORRESPONDENCE

6. Combat System Support

6.1 What combat systems or sub-systems are maintained at the weapon station/magazine/facility? What combat systems or sub-systems are planned to be maintained through FY 1997?

Table 6.1: Combat System Workload

Combat * System	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
N/A								

*** WPNSTA Concord does not maintain any Combat Systems/Sub-systems**

6.2 Identify any specialized, unique or peculiar characteristics about the facilities, equipment, or skills at your activity to perform the maintenance work for combat systems or sub-systems? Highlight those that are one of a kind within the DON/DoD.

WPNSTA Station Concord does not maintain any Combat Systems/Sub-systems

6.3 What alternatives exist for providing the combat system support services (e.g. another Navy activity, DoD agency, etc.)?

WPNSTA Station Concord does not maintain any Combat Systems/Sub-systems

7. Publications Management and Distribution

7.1 Identify the work years expended/programmed to be expended in support of ordnance publications, instructions and documents promulgated and maintained by your activity, for the period requested.

Table 7.1: Publications Workload

R 7/06/94

Publication Types	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
OPs	0	0	0	0	0	0	0	0
JMEMs	0	0	0	0	0	0	0	0
NWPs/MWIPs	0	0	0	0	0	0	0	0
MILSPECs	0	0	0	0	0	0	0	0
Standards	0	0	0	0	0	0	0	0
Instructions/Notes	0	0	0	0	0	0	0	0
Other*	24.2	22.8	21.4	22.4	21.2	19.75	16.75	16.75
Total	24.20	22.80	21.40	22.40	21.20	19.75	16.75	16.75

* Other includes documents associated with various programs:

- Marine Gas Turbine (MGT)
- Metrology Automated System for Uniform Recall and Reporting (MEASURE)
- Gun Weapon System Replacement Program (GWSRP) Material Condition Review (MCR)
- Management Information System (MIS) Program and Coast Guard MCR MIS program
- Shipboard Non-Tactical ADP Program (SNAP) Organizational Maintenance Management System (OMMS)
- Material Maintenance Management (3-M)
- Maintenance Resource Management System (MRMS)
- Ship Configuration and Logistics Support Information System (SCLISIS)
- Integrated Logistics Overhaul (ILO)
- In-Service Engineering Agent (ISEA)

7.2 Identify any specialized, unique or peculiar characteristics about the facilities, equipment, or skills at your activity to maintain such publications? Highlight those that are one of a kind within the DON/DoD.

Concord is the only computer site that houses all the laboratories historical calibration workload data for both NAVSEA and NAVAIR

Concord test equipment inventory database contains all NAVSEA data that no other NAVSEA MEASURE computer center has.

Knowledge of Navy maintenance, configuration, and logistics support programs, i.e., Ships Maintenance and Modernization (3-M), Shipboard Non-tactical ADP Program (SNAP), Maintenance Resource Management System (MRMS), Ship Configuration and Logistics Support Information System (SCLISIS), and Integrated Logistics Overhaul (ILO) is required to successfully develop/maintain related publications.

7.3 What alternatives exist for providing the publication support services (e.g. another DON activity, Army or Air Force activity, DoD agency, NATO or other treaty agencies, etc.)?

Publications Management and Distribution is an integral part of the Technical Support programs at Concord; they are not separate programs. Elements associated with publications which are part of those Technical Support programs have been identified in the table above. The Publications portion cannot be performed without the entire Technical Support program. While there are other activities in the Navy which provide other information technology services, there is no duplication of the Technical Support programs performed by Concord.

Features and Facilities

8. Explosive Quantity Distance Factors

8.1 What restrictions or explosive quantity distance standard limitations apply to the handling of volatile or explosive products or for hot work on submarines, surface combatants, ammunition ships, or oilers on your station/magazine/facility at the piers/wharfs?

Under optimum conditions, a maximum of 24,125,000 lbs Net Explosive Weight can be handled at station piers, with 18,750,000 lbs maximum under normal conditions. This limits is set by the standards required in Chapter 7 of NAVSEA OP 5, "Ammunition and Explosives Ashore, Safety Regulations for Handling, Production, Renovation and Shipping". In addition, CNO Exemption E2D-77 has been granted to WPNSTA Concord which allows these explosive quantity limits along with nearby passenger railroad tracks, a sea channel, and other station explosive operating facilities. Hot work on ammunition ships is not normally performed at station piers, but if operational necessary requires, it is performed in accordance with NAVSEA S6470-AA-SAF-010, "Gas Free Engineering Program".

Total NEW permitted on the three main piers and the barge pier is 24.1 M. WPNSTA Concord NEW limits are the highest of any explosive outloading port on the West Coast. The limits are adequate to support all ships that normally frequent our piers. A waiver would be required if any of the following NEW limits on the piers were required to be exceeded.

<u>Pier</u>	<u>NEW (lbs)</u>
2	6.1M
3	11.2M
4	6.0M
Barge Pier	750K

Hot Work, except in an emergency, alterations or repair, particularly where welding or burning is involved shall not be undertaken while ship is moored at WPNSTA Concord unless written approval is provided by the Commanding Officer. All welding and burning will be done under the personal supervision of an officer or USCG personnel. The Safety and Fire Department will notified at least eight hours prior to commencement of work.

8.2 What restrictions apply when moving munitions in quantity from the storage magazines to the outload facility?

None, other than general safety requirements of NAVSEA OP-5 and OP 4461. Both rail and truck services are available for ammunition movement to station piers. Security preparations are required by station regulations before moving trains across Port Chicago Highway, a public road. NAVSEA SWO20-AC-SAF-010/020/030, and OP 4461 apply to these on-station movements.

Concord owns and operates a rail and road connection between the storage magazines and the piers at the waterfront. This connection crosses a public road at our front gate which requires special attention whenever ordnance is moved. Both security and safety

precautions are in place to assure safe and secure movement of ordnance across this intersection. It is the only "restriction" to moving ordnance. The standard procedures which are in place for such moves are not only effective, they have resulted in increased efficiencies. Prior to their implementation the station would move one rail car at a time. Now large trains are made up to reduce the number of crossings required and that has proved a more efficient use of trains, engines and rail crews. Since Concord has such large explosive arcs, large land areas surrounding the piers and storage magazines, owns the tracks, and the trains are always on Navy property except for that single crossing, there are no real operational restrictions to the movement of ordnance.

8.3 How many AEs, AORs, AOs, or AOE's can be berthed with nesting at your facility, simultaneously? Identify by each pier or wharf.

- a. A total of 12 AE's can be berthed/nested at WPNSTA Concord. The following numbers are provided:

<u>Berthed</u>	<u>Nested</u>
Pier 2 - Berth 1	1 1
" 2 - " 2	1 1
" 3 - " 3	1 1
" 3 - " 4	1 1
" 4 - " 5	1 1
" 4 - " 6	<u>1</u> 1
TOTAL:	6 6 = 12

- b. AOR's, AO's, and AOE's do not transit WPNSTA Concord because of bridge height restrictions of 135 feet.

Note: Because of multi-pier availability (6 berths) at WPNSTA Concord, nesting of vessels would not normally be necessary.

8.4 How many surface combatants or nuclear submarines can be berthed with nesting at the weapon station, magazine, or facility, simultaneously? Identify by each pier or wharf.

- a. Surface combatants include smaller FFG's because of bridge height restrictions of 135'. Large combatants would be required to be unloaded at anchorage. A total of 12 FFG's could be berthed/nested.

BERTHED:	Pier 2	Berth 1	NESTED:	1	1
	" 2	" 2		1	1
	" 3	" 3		1	1
	" 3	" 4		1	1
	" 4	" 5		1	1
	" 4	" 6		<u>1</u>	<u>1</u>
TOTAL:				6	6 = 12

9. Availability and Condition

9.1 Identify, by three digit Category Code Number (CCN), all facilities at this activity, and their current condition and area in thousands of square feet (KSF). Duplicate the table as necessary to report all facilities of any tenants for whom your activity serves as host.

Table 9.1: Facility Conditions

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CCN	Facility Type	Condition			Total ¹
		Adequate	Substandard	Inadequate	
111	HLCPTR LDG PAD	9.90			9.90
112	TAXIWAY	9.38			9.38
113	ACFT PRKG APRN	35.00			35.00
123	FILLING STN			5.00 OL	5.00 OL
123	FILLING STN BLD	0.23			0.23
124	VEH R/FUEL ST	33.60 KG	2.50 KG	6 KG	42.1 KG
131	COMM CTR	1.09			1.09
131	TELE EXCH BLDG	1.37			1.37
137	PORT CONTRL OFF			2.96	2.96
143	ORD OPER BLDG	4.86	24.77	3.63	33.26
143	ARMORY	0.20			0.20
143	MARINE BRKS	1.30			1.30
143	EXPL SH/TRN DEP		12.00		12.00
143	OPERTNL STRG	32.59	4.05		36.64
148	EXPL RLCR HLD YD	5 EA	71 EA		76 EA
148	RAIL/TRK RCV ST		4.16		4.16
152	AMMO WHARF		538.07		538.07
155	SMALL CRAFT BRTH	1,764 FB	2,181 FB		3,945 FB
159	WTRFR OPER BLDG	1.37	0.96	2.85	5.18
171	ACD/GEN INST BLD	6.89	2.96	2.65	12.50
171	APPL INSTR BLD	11.78	1.20		12.98
179	SM ARMS RNG/OUT			1 EA	1 EA
213	BOAT SHOP		6.25		6.25
214	VEH HOLD SHED		12.19		12.19
216	AMMO REWRK O/H	6.75	115.36	0.66	122.77
216	AMMO/EXPLSV MAINT	6.65			6.65
217	ELEC COM MTN SHP	6.40			6.40
218	CNTNR REPR BLDG	5.50			5.50

Table 9.1: Facility Conditions

R 9/23/94

CCN	Facility Type	Condition			Total ¹
		Adequate	Substandard	Inadequate	
218	RR EQ MNT SHOP	0.40			0.40
218	BATT RECHAR SHOP		16.12		16.12
219	PW SHOP	0.14	12.11		12.25
219	PW MAINT STRG	12.11	21.29	2.35	35.75
310	MATERIALS LAB	19.16	9.64		28.80
310	COMP/ANALYS LAB	17.69	1.22		18.91
312	GUIDE MISLE LAB	1.00			1.00
316	AMO, EXPLO/TOXICS	2.81	18.63		21.44
319	RDT&E STORG LAB	8.36	1.96		10.32
421	FUSE & DET MAG	6.99	20.96		27.95
421	HIGH EXPL MAG	29.66	178.54		208.20
421	INERT STOREH	132.74	2.39		135.13
421	READY MAG	0.49	3.59		4.08
421	S ARMS/PYRO MAG	137.32	68.25		205.57
421	SMOKELESS/P/PMAG	224.95	185.70		410.65
421	MISSILE MAG	27.97	53.56		81.53
431	COLD ST WHSE/BK			0.21	0.21
441	GEN WHSE BULK	29.20	25.18	17.28	71.66
441	HAZ FLAM STHSE	0.44	2.85		3.29
441	GEN STRG SHED	1.01	14.51		15.52
441	INTEG LOG OH/OU	2.56	7.71		10.27
441	MTIS BLDG	10.20			10.20
451	OPEN STORAGE AR	255.02			255.02
540	DENTAL CLINIC	5.60			5.60
550	MEDICAL CLINIC		7.90		7.90
610	ADMIN OFF	56.71	34.34	27.67	118.72
610	DATA PROC CTR	0.19	4.80		4.99
610	CO/BTRY HDQ	2.79			2.79
610	ADMIN STG REDY	3.06	2.68	1.92	7.66
711	FAM HSG/DWELLG	357.35			357.35
711	FAM HSG DET FAC	9.95			9.95
721	BEQ E1/E4	25.03	10.72		35.75

Table 9.1: Facility Conditions

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CCN	Facility Type	Condition			Total ¹
		Adequate	Substandard	Inadequate	
721	BEQ E5/E6	5.63			5.63
721	BEQ E7/E9	2.16			2.16
721	DINING FAC	6.48			6.48
723	TROOP HSG STRG	0.12	8.10		8.22
730	FIRE STN	6.33	5.60		11.93
730	ISS/RTL CLTH UN		4.26		4.26
730	POLICE STN	2.33			2.33
730	GATE/SENT HOUSE	1.70	0.03		1.73
730	COMMUNITY CTR	0.41			0.41
730	LUNCH/LOCKER RM	0.39	4.62	5.23	10.24
730	MISC WTHR SHLTR		0.26		0.26
730	PUBLIC TOILET	0.08	0.50		0.58
730	CHAPEL	3.70			3.70
740	EXCHANGE RETAIL		9.13		9.13
740	EXCH SNACK STND	0.19			0.19
740	EXCH SVC OUTLET		0.61		0.61
740	RD CRSS/NAVY RLF		0.06		0.06
740	CREDIT UNION	0.66			0.66
740	THRIFT SHOP			1.22	1.22
740	HOBBY SHOP-AR/C		1.48		1.48
740	SPEC SVC CTR	1.01	1.85		2.86
740	AUTO HOBBY SHOP	3.90			3.90
740	GYMNASIUM	14.91	0.55		15.46
740	REC CENTER		8.34	1.41	9.75
740	YOUTH CENTER	3.75			3.75
740	CLASS VI STORE		2.28		2.28
740	RETAIL WAREHOUSE		2.95		2.95
740	BATHHOUSE		0.67		0.67
750	PLAYING COURT	4 EA			4 EA
750	PLAYING FIELD		2 EA		2 EA
750	OUTDOOR SWIM POOL	30 ME			30 ME
750	RECREATION GDS	2 EA			2 EA

Table 9.1: Facility Conditions

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CCN	Facility Type	Condition			Total ¹
		Adequate	Substandard	Inadequate	
811	ELEC PR SOURCE	1550 KW			1550 KW
812	ELEC TMSN BLDG	0.54			0.54
812	ELEC TMSN/DISTR	336.86 KLF			336.86 KLF
813	ELEC PWR SUB/SW	3750 KVA			3750 KVA
821	HEAT SOURCE	16 MB			16 MB
822	HEAT TMSN/DIST	14.28 KLF			14.28 KLF
824	HEAT/GAS/TMSN	33.68 KLF			33.68 KLF
831	SEWAGE TRT & DISP	1201 KG			1201 KG
832	SEWAGE/COLLECTION	93.44 KLF			93.44 KLF
833	SOLID WSTE STND		1.66		1.66
841	WTR SUP/TMT/STG	1400 KG			1400 KG
842	WTR DIST-POT	354.66 KLF			354.66 KLF
842	WTR DIST BLDG	1.90			1.90
845	WTR DIST SY NP	0.06 KLF			0.06 KLF
851	ROADS	7,311.75			7,311.75
852	WALKS/PARKING	2,854.34			2,854.34
860	RAILROADS	101 MI			101 MI
871	GROUNDS DRAINAGE	285.80 KLF			285.80 KLF
872	FENCE/WALL/TWR	289.56 KLF			289.56 KLF
880	FIRE & OTHER ALRM	105 BX			105 BX
911	LAND-FEE SIMPLE	509,732.59			509,732.59
913	LAND LIC/PERM	115.87			115.87
921	LAND EASEMENT	34,316.57			34,316.57
ACTIVITY TOTAL:		555,909.47	1,479.57	70.04	557,459.08

¹ Column totals do not include CCNs with units not in KSF

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NOTES:

Unless otherwise noted units are KSF (thousand square feet)

Other units assigned are listed below:

OL = Outlets

EA = Each

ME = Meter

KLF = Thousand linear feet

KG = Thousand U.S. Gallons

FB = Feet of Berth

KW = Thousand Watts

KVA = Thousand volt amps

MB = Million British thermal units
BX = Alarm Boxes

MI = Mile

9.2 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 in Table 9.1, 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?

9.2.1

- a. Fuel filling station/CCN 123/Fac No. (Facility Number) IA-17 and Fac No. A-30
- b. Siting in violation of explosive safety regulations, leaking underground fuel tanks, siting in violation of fire safety regulations and underground tanks are not in compliance with either state or federal underground storage tank laws which require compliance by 22 Dec 1998.
- c. There are two filling stations, one is inoperable due to leaking underground fuel tanks and the other is currently in use.
- d. One station could be upgraded to substandard for approximately \$400,000. The one sited in violation of explosive safety regulations could not be upgraded to substandard.
- e. No other practical use could be made of this facility. Buildings at existing stations could be used admin or other inert storage at a minimal cost.
- f. MILCON P-075 currently programmed for FY97 at a cost of \$900,000 will construct a new fuel filling facility at a superior, unencumbered location.
- g. No.

9.2.2

- a. Port control office/CCN 137/Portion of Fac No. 181.
- b. Sited in violation of explosive safety regulations, building in general deteriorated condition requiring major structural, roof, electrical and mechanical repairs with considerable asbestos abatement involved.
- c. Port terminal operations for ordnance transshipment located in Fac No. 181.
- d. Not possible to upgrade to substandard due to explosive safety regulations.
- e. Could possible be converted to some type of administrative or inert operational storage for minimum repairs estimated at \$400,000.
- f. MILCON P-101 currently planned for programming by Army for FY97 at a cost of \$3,220,000. Will construct a new facility at an unencumbered site for this and

other related operations. The existing building will be demolished. Currently unprogrammed for Navy MILCON funding.

g. No.

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9.2.3

- a. Ordnance operations bldg./CCN 143/Portion of Fac No. 181.
- b. Same as 9.2.2 B.
- c. Direct support of tidal area ordnance operations.
- d. Same as 9.2.2 D.
- e. Same as 9.2.2 E.
- f. Same as 9.2.2 F.
- g. Same as 9.2.2 G.

9.2.4

- a. Waterfront operations bldg./CCN 159/Fac No. 188.
- b. Same as 9.2.2 B.
- c. U.S. Coast Guard Marine Safety Office.
- d. Same as 9.2.2 D.
- e. Same as 9.2.2 E.
- f. Same as 9.2.2 F.
- g. Same as 9.2.2 G.

9.2.5

- a. Small arms range-outdoor/CCN 179/Fac No. IA-57.
- b. Sited in violation of explosive safety regulations and does not meet current NAVFAC range safety standards.
- c. Training and certification of security personnel in use of pistols and shotguns.
- d. Facility could be upgraded to substandard by constructing approved range baffles at an estimated cost between \$150,000 and \$250,000.
- e. Include as part of agricultural outlease or Tule elk range: (1) May require environmental remediation to remove spent lead contamination and (2) estimated site restoration cost unknown.
- f. MILCON P-295 will replace this facility with an indoor small arms range at an estimated cost of \$1,570,000. Project is currently unprogrammed.
- g. Yes.

9.2.6

- a. Ammunition rework and overhaul facility/CCN 216/Fac No. 263

- b. Does not meet design or construction standards for blast over pressure and fragment containment for gun ammunition pull apart operations per NAVSEA OP-5.
- c. Currently not in use.
- d. Facility cannot be upgraded to substandard without complete replacement at an estimated cost of \$2,000,000.
- e. Could use as inert storage for ordnance operations in adjacent ammo rework Fac No. IA-25 at a minimal cost.
- f. None.
- g. No.

9.2.7

- a. Public Works maintenance storage/CCN 219/Fac No. IA-41 and a portion of Fac No. IA-30
- b. Both facilities are in a generally deteriorated condition and require extensive structural, architectural and roof repairs. Fac No. IA-30 requires extensive electrical and mechanical repairs in addition.
- c. Neither facility is in use.
- d. Fac No. IA-41 could be upgraded to substandard for approximately \$30,000. Fac No. IA-30 could be upgraded to substandard for approximately \$170,000.
- e. Fac No. IA-41 has no other use due to its remote location. The portion of Fac No. IA-30 allocated for this use could be used for Admin office space or similar operations after the above repairs.
- f. Fac No. IA-41 has been declared excess and is scheduled for demolition. No plans exist for the renovation and repair of Fac No. IA-30.
- g. No.

9.2.8

- a. Cold storage warehouse bulk/CCN 431/Portion of Fac No. IA-11
- b. Mechanical equipment not operable, insulation deteriorated.
- c. Not in use.
- d. Cannot be economically upgraded for this use.
- e. Could be converted to Admin storage to be compatible with Fac No. IA-11 present use.
- f. Design exists to convert this area to Admin storage as part of a major repair of Fac No. IA-11. Funding would be DBOF and project is not budgeted for execution.
- g. No.

9.2.9

- a. General warehouse bulk/CCN 441/Fac No. E-104
- b. Generally deteriorated, requires major architectural, roof and electrical repairs.

- c. Not in use.
- d. Could be upgraded to substandard for approximately \$350,000.
- e. Siting within explosive safety arcs precludes this facility from being converted to any occupied function. Operational storage of inert materials possible.
- f. Design exists to repair this facility. Funding would be DBOF and project is not budgeted for execution.
- g. No.

9.2.10

- a. Admin office space/CCN 610/Fac No. E-98 and Fac No. 181
- b. Fac No. E-98 requires major structural, architectural, electrical and mechanical repairs. Fac No. 181 is discussed in 9.2.2 B.
- c. Fac No. E-98 is currently used as Admin space for station Safety Department and Data Processing Department personnel. Fac No. 181 is discussed in 9.2.2 C.
- d. Fac No. E-98 could be upgraded to substandard for approximately \$700,000. Fac No. 181 is discussed in 9.2.2 D.
- e. Fac No. E-98 could be converted to any number of other compatible uses. Cost would vary with specific requirement, but major repairs discussed above would have to be performed. Fac No. 181 is discussed in 9.2.2 E.
- f. Design is being prepared for repair of Fac No. E-98. Funding if DBOF at current estimated cost of \$1,100,000 and budgeted for execution in FY95. Fac No. 181 is discussed in 9.2.2 F.
- g. Fac No. E-98 - No/Fac No. 181 - See 9.2.2 G.

9.2.11

- a. Lunch/Locker Room/CCN 730/Fac No. 183
- b. Same as 9.2.2 B.
- c. Currently used as stevedore lunch room.
- d. See 9.2.2 D.
- e. See 9.2.2 E.
- f. See 9.2.2 F.
- g. See 9.2.2 G.

9.2.12

- a. Thrift Shop/CCN 740/Portion of Fac No. IA-30.
- b. See 9.2.7 B.
- c. Currently used as Thrift Shop.
- d. See 9.2.7 D.
- e. See 9.2.7 E.

- f. See 9.2.7 F.
- g. See 9.2.7 G.

9.2.13

- a. Recreation Center/CCN 740/Portion of Fac No. IA-30.
- b. See 9.2.7 B.
- c. Currently used on a limited basis for employee luncheons, retirements, etc. and as meeting place for sea cadets.
- d. See 9.2.7 D.
- e. See 9.2.7 E.
- f. See 9.2.7 F.
- g. No.

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9.3 Identify if your activity has been prevented from performing any proposed or planned expansion, establishment of new arcs, or scheduled operations in the past five years due to unresolved restrictions.

Besides two Air Force preposition ships which had ordnance loads in excess of 13,000,000 pounds NEW, which exceeded our large limits, there are no restrictions to operations. Those ships had to be serviced in Thailand because no other port in CONUS could handle them either. Plans are to reduce the loads of the ships, not increase explosive arcs. Current plans for upgrading Concord's waterfront to improve container operations are proceeding with no known unresolved restrictions.

10. Reserve Support Capabilities

10.1 List all reserve units (USNR, USMCR, USAFR, ANG, USAR, ARNG) that regularly train at your installation.

Table 10.1: Hosted Reserve Units

Reserve Unit	Training Function/Facilities Used
NR NWS CON HQ 120 ALAMEDA	Forklift operation, forklift recertification, explosive ordnance safety/familiarization, blocking and bracing, winch operation and other weapons station operations. Weapons Station's piers, rail, waterfront, inland magazines, vehicles and administrative offices.
NR NWS CON 220 SAN JOSE	"
NR NWS CD EOT 320 RENO	"
NR NWS CD EOT 420 STOCKTON	"
NR NWS CON 522 BREMERTON	"
NR NWS CON 622 GREAT FALLS	"
NR NWS CON 722 POCA TELLO	"
NR NWS CON 813 SOUTH BEND	"
NR NWS CON 920 ALAMEDA	"
NR NWS CON 1010 CORPUS CHRISTI	"
NR NWS CON 1109 LITTLE ROCK	"
NR NWS CON 1210 SAN ANTONIO	"
NR NWS CON 1311 OKLAHOMA CITY	"
NR NWS CON D1418 ST LOUIS	"
NR NWS EOT 1520 FRESNO	"
NR NWS EOT8 1620 PACIFIC GROVE	"
NR NWS EOT9 1720 SACRAMENTO	"
NR NWS CD EOT 1822 ANCHORAGE	"
NR NWS CON 1910 AUSTIN	"
NR NWS CON 2020 SACRAMENTO	"
NR NWS CON 2120 SAN JOSE	"
NR NWS CON 2220 RENO	"

Table 10.1: Hosted Reserve Units

Reserve Unit	Training Function/Facilities Used
NR NWS CON 2320 SALT LAKE CITY	"
NR NWS CON 2420 OGDEN	"
NR NWS CON 2513 EVANSVILLE	"
NR NWS CON 2622 CENTRAL POINT OR	"
NR NWS CON 2722 SALEM	"
NR NWS CON 2922 PORTLAND	"
NR NWS CON 3022 EUGENE	"
NR CARGO HANDLING BATTALION THREE ALAMEDA	"
USMCR 2ND & 3RD LONGSHOREMEN PLATOON, REINFORCED	WPNSTA Concord rail head/pier area, landing zone

10.2 For each USNR and USMCR unit that trains at your facility, provide the number of authorized billets and number of personnel actually assigned to the unit for the past three full fiscal years. Include both Selected Reserves (SELRES) and Training and Administration of Reserves (TAR) Navy/Full Time Support (FTS) Marine Corps reservists. Explain any reported differences between authorized and actual manning. Reproduce this table as necessary for each unit.

Actual versus authorized allowance reflects the ongoing variance in numbers of personnel assigned to the individual reserve units. Each unit is assigned a certain number and type of billets for mobilization. At any given time, these billets may be temporarily over or under manned due to the available work pool in the unit's geographic area.

Table 10.2: Reserve Personnel

Unit: 87222 <u>HO 120</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	13	1	13	1	13	1	13	1	13	1	14	1
Officer	7	1	7	1	7	1	7	1	7	1	7	1

The following units have no (0) TAR/FTS billets or personnel:

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Unit: 220	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	27		27		27		27		27		28	
Officer	2		2		2		2		2		2	

Unit: <u>320</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	20		27		20		27		20		27	
Officer	1		4		1		4		1		4	

Unit: <u>420</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	28		31		28		31		28		31	
Officer	1		2		1		2		1		2	

Unit: <u>522</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	13		15		13		15		13		15	
Officer	1		1		1		1		1		1	

Unit: <u>622</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	33		42		33		42		33		42	
Officer	2		2		2		2		2		2	

Unit: <u>722</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	20		23		20		23		20		23	
Officer	2		2		2		2		2		2	

Unit: <u>813</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	30		72		30		72		30		72	
Officer	3		5		3		5		3		5	

Unit: <u>913</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	57		57		57		57		57		57	
Officer	1		1		1		1		1		1	

Unit: <u>1010</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	30		54		30		54		30		54	
Officer	1		3		1		3		1		3	

Unit: <u>1109</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	29		30		29		30		29		30	
Officer	2		2		2		2		2		2	

Unit: <u>1210</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	32		50		32		50		32		50	
Officer	2		3		2		3		2		3	

Unit: <u>1311</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	32		38		32		38		32		38	
Officer	1		1		1		1		1		1	

Unit: <u>1418</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	27		30		27		30		27		30	
Officer	1		1		1		1		1		1	

Unit: <u>1520</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	31		55		31		55		31		55	
Officer	3		3		3		3		3		3	

Unit: <u>1620</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	21		21		21		21		21		21	
Officer	2		2		2		2		2		2	

Unit: <u>1720</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	18		19		18		19		18		19	
Officer	2		2		2		2		2		2	

Unit: <u>1822</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	26		30		26		30		26		30	
Officer	2		2		2		2		2		2	

Unit: <u>1910</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	25		49		25		49		25		49	
Officer	1		2		1		2		1		2	

Unit: <u>2020</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	23		24		23		24		23		24	
Officer	1		2		1		2		1		2	

Unit: <u>2120</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	28		32		28		32		28		32	
Officer	2		2		2		2		2		2	

Unit: <u>2220</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	18		25		18		25		18		25	
Officer	1		5		1		5		1		5	

Unit: <u>2320</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	20		23		20		23		20		23	
Officer	0		1		0		1		0		1	

Unit: <u>2420</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	26		30		26		30		26		30	
Officer	1		2		1		2		1		2	

Unit: <u>2513</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	37		62		37		62		37		62	
Officer	2		2		2		2		2		2	

Unit: <u>2622</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	18		30		18		30		18		30	
Officer	2		2		2		2		2		2	

Unit: <u>2722</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	22		22		22		22		22		22	
Officer	2		2		2		2		2		2	

Unit: <u>2922</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	16		16		16		16		16		16	
Officer	1		1		1		1		1		1	

Unit: 3022	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TARFTS	SELRES	TARFTS	SELRES	TARFTS	SELRES	TARFTS	SELRES	TARFTS	SELRES	TARFTS
Enlisted	29		37		29		37		29		37	
Officer	2		3		2		3		2		3	

Unit: Various CHB Dets	FY 1991				FY 1992				FY 1995 Quarterly Drills/Annual Training			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TARFTS	SELRES	TARFTS	SELRES	TARFTS	SELRES	TARFTS	SELRES	TARFTS	SELRES	TARFTS
Enlisted	*				*				*			48
Officer	*				*				*			2

* Information not available

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Unit: M7700 USMCR Longshoremen Platoon, Concord	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELRES	TARFTS	SELRES	TARFTS	SELRES	TARFTS	SELRES	TARFTS	SELRES	TARFTS	SELRES	TARFTS
Enlisted	145	--	114	--	145	-	112	-	152	--	115	--
Officer	3	--	2	--	3	--	3	--	3	--	2	--

10.3 What is the outlook for your reserve training requirement for FY 1997?

- (a) **WPNSTA CONCORD SELRES UNITS.** Anticipate continued Annual Training (AT-two week) and Inactive Duty for Training (IDT-weekend Drills) throughout the Fiscal year for assigned SELRES in all facilities as described in sections 10.1 and 10.4 for all assigned Naval Reserve NWS Units (29 each), total of 951 SELRES Personnel.
- (b) **NRCHB.** Anticipate beginning of Annual Training and weekend IDT Drills by Naval Reserve Cargo Handling Battalions of approximately 12 personnel per month to conduct mobilization training identical to assigned NR Naval Weapons Station Units listed in (a) above. To start in FY-95.

- (c) **USMCR Longshoremen.** Anticipate annual Rail Head Operations exercise for the Marine Corps reserve Unit from U.S. Marine Corps Reserve Center, Concord CA. Also, anticipate twice annual use of WPNSTA Concord as Landing Zone for same.

10.4 Does your activity possess any specialized, unique or peculiar characteristics to facilitate the reserve training?

Yes, WPNSTA Concord has unique Rail Head, Waterfront, Pier, Rail/Motor Vehicle and Explosive Magazine storage Facilities. The Weapons Station operates a Reserve Coordinator Office to arrange facilities use and manage on the job training of assigned and visiting reservists. Concord has unique training facilities for AE type winch operations and a mockup bulk load hold for forklift and blocking and bracing. These facilities are used by both Concord's civilian workforce and reserve personnel from Concord and other reserve commands.

Costs**11. Investments**

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

Table 11.1: Capital Improvement Expenditure

R 9/27/94

Project	Description	Fund Year	Value (\$K)
C18-80	Install Air Conditioning in Navy Barracks	88	90
C26-81	Constr Haz Waste Storage Facility	88	173
C4-84	Constr Youth Center	88	195
C3-85	Install Additional Shore Power Outlet, Pier 4	88	103
EC5-86	Modify Special Weapons Maint. Facility	88	104
C10-84	Modify Gym and Construct Racquetball Courts	88	185
C28-80	Construct Addition to Chapel	88	100
P-194	Water System Improvements	90	3230
P-276	Construct Two Missile Magazines	88	3130
P-267	Construct Two Missile Test Cells	88	2400
C17-84	Upgrade Ordnance Grounding at Piers	89	41
CE4-84	Construct Inert Storage Bldg. in Q-Area	89	159
	Construct 244 Units EM Housing	89	20,000
C5-88	Upgrade Security of Two Magazines	89	70
HC1-30	Construct Housing Office	90	298
P-150	Public Road Closure	90	6500
	NONE	91	0
P-283	Boiler Plant Modification	92	550
-	Modify Bldg. IA-2	92	177
-	Install Water Booster Pumps	92	27
-	Construct Diesel Generator Pad	92	51
C8-88	Garage Addition to RFF	92	172
C15-84	Install Fire Escape IA-15	92	38

Table 11.1: Capital Improvement Expenditure

R 9/27/94

Project	Description	Fund Year	Value (\$K)
	LAN Phase 4 (design)	93	56
	Fire Alarm @ Bldg 35 & IA-58	93	41
P-271	Guided Missile Facility Mods	91	1254
	Install Lightning Protection @ Bldg. 350	94	158
	Install LAN Phase 4	94	270

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

Table 11.2: Planned Capital improvements

R 9/27/94

Project	Description	Fund Year	Value (\$K)
	E-98 Alterations	95	128
	Fire Safety Mods Tank Farm 407	95	60
	Seismic Upgrade at IA-7 A&E	96	35
	Upgrade Backup Generator 395	96	50
	Aca ESQD Restrictive Easement	96	200
	Seismic Upgrade IA-7	97	106
	Wet-Pipe Sprinkler System	97	55
	Upgrade Bridges for Fire Division	97	50
	Convert Fire Sprinkler System 81	97	40
P-075	Fuel Filling Station	98	830

11.3 List the project number, description, funding year, and value of the *BRAC related capital improvements planned* for FY 1995 through FY 1999.

Table 11.3: Planned BRAC Capital improvements

Project	Description	Fund Year	Value
P-323	Support Equipment Overhaul Facility	97	2760

11.4 Identify by Investment Category Code and Name (e.g. 05-Training Facilities; 14-Administration) the actual investment at your activity, to include all MILCON, maintenance and repair, installed equipment, and minor construction, in thousands of dollars (\$ K) over the period FY 1990 through FY 1994 for all your facilities. Report separately all other Class 2 equipment investments. The following table should include your responses to questions 11.1-11.3 above.

Table 11.4: Historic Investment Summary

R 09/27/94

<u>FY - 90</u> Investment Category	\$ K
01	1
02	0
03	4138
04	6
05	382
07	0
08	431
09	8
10	0
11	0
12	85
14	56
16	11
17	680
18	7160
Other (Specify) NOTE: Not available by IC Code - Service Calls, Maint Shop 01H, MCD	2390
Equipment (other than Class 2)	4421
Activity TOTAL	19,769

Table 11.4: Historic Investment Summary

R 9/27/94

<u>FY - 91</u> Investment Category	\$ K
01	0
02	1
03	912
04	11
05	67
07	0
08	691
09	432
10	34
11	0
12	79
14	284
16	123
17	369
18	1173
Other (Specify) Service Calls, Maint Shop 01H, MCD	2812
Equipment (other than Class 2)	3213
Activity TOTAL	\$10,201

Table 11.4: Historic Investment Summary

<u>FY - 92</u> Investment Category	\$ K
01	14
02	0
03	374
04	214
05	6
07	5

Table 11.4: Historic Investment Summary

<u>FY - 92</u> Investment Category	\$ K
	R 9/27/94
08	654
09	154
10	227
11	35
12	96
14	408
16	188
17	1672
18	827
Other (Specify) Service Calls, Maint Shop 01H, MCD	3345
Equipment (other than Class 2)	4181
Activity TOTAL	\$12,400

Table 11.4: Historic Investment Summary

R 9/27/94

<u>FY - 93</u> Investment Category	\$ K
01	0
02	0
03	329
04	1241
05	2
07	0
08	1479
09	1554
10	171
11	411
12	367
14	815

Table 11.4: Historic Investment Summary

R 9/27/94

<u>FY - 93</u> Investment Category	\$ K
16	138
17	644
18	2607
Other (Specify) Service Calls, Maint Shop 01H, MCD	1773
Equipment (other than Class 2)	1990
Activity TOTAL	13521

Table 11.4: Historic Investment Summary

<u>FY - 94</u> Investment Category	\$ K
01	\$ 0
02	\$ 0
03	\$ 882
04	\$ 638
05	\$ 0
07	\$ 0
08	\$ 1,118
09	\$ 20
10	\$ 20
11	\$ 0
12	\$ 0
14	\$ 92
16	\$ 0
17	\$ 1,529
18	\$ 2,339
Other (Specify) Service Calls, Maint Shop 01H, MCD * Accounting System not designed to identify IC codes	\$ 2,542
Equipment (other than Class 2)	\$ 1,495
Activity TOTAL	\$ 10,675

11.5 What is the total planned investment, in thousands of dollars (\$ K), over the period FY 1995 through FY 2001?

Total planned Investments = \$ 85,150 K

11.6 Provide a list of all other documented major facility deficiencies not addressed in 11.1-11.3 (e.g. major repairs) and the estimated cost to rectify each at this activity. Identify the reduction in operating costs anticipated in relation to each deficiency correction.

Table 11.6: Facility Deficiencies

R 09/27/94

<u>FY - 88</u> Deficiency	Cost to Correct (\$ K)	Result of Corrections
Repair Tidal Area Perimeter Fence (Design)	20	N/A
Repair Waterfront Sewage System (Design)	37	N/A
Repair Air Conditioning @168, Computer Center (Design)	56	N/A
Replace leaky PCB Transformer @174 (Design)	14	N/A
Repair Tidal Area Open Storage Lots (Design)	32	N/A

Table 11.6: Facility Deficiencies

R 09/27/94

<u>FY - 89</u> Deficiency	Cost to Correct (\$ K)	Result of Corrections
Replace R-3 Heating System	123	\$10K/Yr
Repair Tidal Area Perimeter Fence	337	\$2K/Yr
Repair Waterfront Sewage System	423	\$30K/Yr
Repair Air Conditioning @168, Computer Center	310	\$25K/Yr
Repair IA-25, Conventional Ordnance Maint. (Design)	49	N/A
Repair E-100, Weight Handling Training Facility (Design)	23	N/A
Replace leaky PCB Transformer @174	95	\$8K/Yr
Repair Tidal Area Open Storage Lots	402	\$8K/Yr
Repair Roads Inland and Tidal Areas	1,394	\$70K/Yr

Table 11.6: Facility Deficiencies

<u>FY - 90</u> Deficiency	Cost to Correct (\$ K)	Result of Corrections
Repair Waterfront Sewage System (Completion of FY 89 project start)	114	N/A
Repair E-100, Weight Handling Facility	378	\$10K/Yr
Repair Pier 2	3,984	\$80K/Yr
Repair Fire Alarm System On Station (Design)	41	N/A
Repair Open Storage Lots Misc. Locations (Design)	61	N/A
Repair White Road Waterline (Design)	43	N/A

Table 11.6: Facility Deficiencies

R 9/27/94

<u>MAJOR MAINTENANCE M2 FY - 91</u> Deficiency	Cost to Correct (\$ K)	Result of Corrections
Repairs to IA-10, an Admin Facility (Design)	30	N/A
Repairs to IA-18C, an Admin Facility (Design)	7	N/A
Repair E-100 Weight Handling Facility (Finish repairs started prior FY)	63	N/A
Pier 2 Repairs (Finish repairs started prior FY)	593	N/A
Pier 3 Deck Repairs (Design)	171	N/A
Repairs to E-98, an Admin facility (Study)	75	N/A
Repairs to 7SH5 (Design)	7	N/A
Repair Perimeter Fence W.P. to Olivera (Design)	35	N/A
Repair Fence Taylor Blvd (Design)	33	N/A
Repair Storage & Parking (Design)	22	N/A
R1 & R4 Heating Sup	280	\$10K/Yr

Table 11.6: Facility Deficiencies

R 9/27/94

<u>MAJOR MAINTENANCE M2 FY - 92</u> Deficiency	Cost to Correct (\$ K)	Result of Corrections
Repair R1 & R4 Heating System (Finish Construction)	96	N/A
Repair Water System at R Bldgs	214	\$3K/Yr
Repairs to IA-18C	168	N/A
Repairs to IA-25 (Finish Design)	846	N/A
Repairs to IA-10	44	N/A
Repairs to IA-11, an Admin facility	11	N/A
Repairs to Waterline White Rd	1,215	\$20K/Yr
Repair Fire Alarm System (Finish Design)	42	N/A

Table 11.6: Facility Deficiencies

R 09/27/94

MAJOR MAINTENANCE M2 FY - 93 Deficiency	Cost to Correct (\$ K)	Result of Corrections
Repairs to E-106	274	N/A
Re-roof 9 Magazines	405	N/A
Repair Taylor Blvd Fence	195	N/A
Repair Tidal Water Conn	387	\$40K/Yr
Repair 35 UGTs (Design)	228	N/A
Repair Bldgs. 267, 268, 111	50	N/A
Repair IA-18C	274	N/A
Repair Open Storage Lots	1,650	\$50K/Yr
Maint Dredging (Design)	94	N/A
Repairs to IA-10 (Finish Construction)	462	N/A
QE Main Site Repairs (Design)	225	N/A
Heating Bldg. 181	125	N/A
Boiler IA-10	58	\$5K/Yr
Re-roof IA-21/22	267	N/A
Repair Bldg. 183	152	N/A
UST E-111 & A3A	112	N/A
Repairs to IA-15,IA-16, IA-12	1,006	N/A
UST 178	231	N/A
Repair E-98 (Design)	96	N/A
Remediate IA-6	124	N/A
Repair Bridges (Design)	178	N/A
Storm Water Discharge (Design)	58	N/A
Repair Tidal RR Track (Design)	219	N/A
Repairs to IA-25 (Finish Construction)	197	N/A
SPCC	25	N/A
Repair E-61	367	N/A
Repair Central Fire Alarm	462	N/A
Structured Repairs to R-Bldgs	641	N/A
Repair IA-24 & IA-55	561	N/A
Repair Willow Pass Rd Fence	330	N/A

Table 11.6: Facility Deficiencies

MAJOR MAINTENANCE MS FY - 94 Deficiency	Cost to Correct (\$ K)	Result of Corrections
Repair RR Track Tidal	1,716	N/A
Repair to A-20	638	N/A
Repair Ground System Ordnance Bldgs	932	N/A
Repair Bridges	206	N/A
Repairs to A-21/A-22/A-23/87/88	500	N/A

Table 11.6: Facility Deficiencies

MAJOR MAINTENANCE M2 FY - 95 Deficiency	Cost to Correct (\$ K)	Result of Corrections
Pier 2 Repairs	329	N/A
Replace Underground Tanks	1,650	\$85K/Yr
QE Repairs IA-21 & IA-22	1,384	\$10K/Yr
Repairs to E-98	1,317	\$5K/Yr

Table 11.6: Facility Deficiencies

MAJOR MAINTENANCE M2 FY - 96 Deficiency	Cost to Correct (\$ K)	Result of Corrections
Repair RR Track Tidal	1,802	N/A
Repair Bridges	1,695	N/A
Maint Dredging	1,448	N/A
Repair Concrete Wingwalls GA Mags	50	N/A

Table 11.6: Facility Deficiencies

MAJOR MAINTENANCE M2 FY - 97 Deficiency	Cost to Correct (\$ K)	Result of Corrections
Repair RR Track Tidal	3,286	N/A
Repair Bridges	1,613	N/A
Repair HVAC 262 A&E	42	N/A
Repair 181	350	N/A

Strategic Concerns**12. Stand Alone and Location Factors**

12.1 Identify the support (police, fire protection, etc.) now that is now provided by a nearby base, station or activity and will be needed by your facility if that activity is closed.

Table 12.1: Support Facilities

R 7/06/94

Support	Currently Obtained from:	Needed if Host Closes?
Police	Own resources	N/A
Security	Own resources	N/A
Fire	Own resources	N/A
Cafeteria	Provided by tenant	N/A
Parking	Own resources	N/A
Utilities	Steam own resources other contracted**	N/A
Child Care	Own resources	N/A

** Electricity provided by the Pacific Gas & Electric Company, potable water provided by the Contra Costa County water District, sewage provided by the Contra Costa Central and Delta Diablo Sanitary districts.

12.2 What is the distance in nautical miles and the average transit time from your activity to the open sea?

Distance: 47 NM
Transit Time: 4 - 5 hours

12.3 List and indicate the distance in road-miles to Interstate Highways, airports of embarkation, seaports of embarkation, and cargo rail terminals.

A. Highway No.	Distance (Miles)
4 *	1
680 *	7
B. Airports of Embarkation:	Distance (Miles):
Travis AFB	30
C. Seaport of Embarkation:	Distance (Miles):
Military Ocean Terminal, Bay Area	28
D. Cargo Rail Terminal:	Distance (Miles):
Military Ocean Terminal, Bay Area	28

* Designated as Defense Highways.

12.4 Is your activity serviced by rail trackage providing direct access to the commercial rail network? YES

If Yes, are you serviced by single or multiple tracks? MULTIPLE TRACKS

WPNSTA Concord has access to three major rail lines. The Southern Pacific (SP) serves through a "Y" track at their main line. The Atcheson Topeka & Santa Fe (ATSF) and Union Pacific (UP) serves through a joint team track. All tracks connect to WPNSTA Concord trackage. The following additional information is provided:

<u>Name</u>	<u>Location of Terminal Entrance</u>	<u>Number of Tracks to Terminal</u>
*SP	Tidal Area	1
*ATSF	" "	1
*UP	" "	1

* These are main lines for transporting cargo to all points in the continental United States. These lines will always be maintained by the railroad companies.

12.5 List the homeports within the service area of your facility and the distance to each.

Table 12.5: Proximity to Homeport

(R 9/22/94)

Homeport	Distance:	Note:
NAS Alameda, CA	30	1
Mare Island Naval Shipyard, Vallejo CA	24	2
Federal Industrial Supply Command, Oakland CA	27	3
Everett, WA	804	1
Treasure Island, CA	35	4
San Diego, CA	510	4
WPNSTA Concord, CA	--	5

Note:

1. Current homeport for carriers. Capability is expected to be transferred to Everett Washington in FY 98.
2. Current homeport for submarines. Capability will be transferred to San Diego in FY 96
3. Homeport for USNS vessels.
4. Homeport for a limited amount of FFG'S. Capability will transferred to San Diego in FY 97.
5. Five AEs are currently homeported at the station. (R 9/22/94)
Another AE homeported at the station was decommissioned early this year.

NOTE: Most ships transiting WPNSTA Concord do not require homeporting because they are contracted from shipping companies.

12.6 Identify the factors that limit access to your piers, i.e., bridge height restrictions, channel depth, turning basin constraints, etc. Identify by ship type the largest vessel that can gain access to your piers.

Table 12.6: Pier Access

Largest Vessel	Limiting Factors
* Lighter Aboard Ship (LASH)	None

- a. Bridge height of 135 feet at Mean High Water (MHW) and 35 feet channel depth at Mean Low Water (MLW) .

* LASH Vessel measuring up to approximately 900 feet in length and capable of carrying 27,000 short tons of Ordnance with 11.2 million pounds of net explosives.

- b. Any vessel that cannot transit to WPNSTA Concord because of size or berthing availability can be unloaded at anchorage. Refer to paragraph 2.3(a) for NEW limits at anchorage.

13. Contingency and Mobilization Features

13.1 Identify the amount of storage space for explosives or munitions surplus to the planned need, expressed in square feet (SF) at your facility. (Note: For contingency and mobilization purposes, storage space includes revetments, railcars, barges, explosive holding yards, explosive anchorages and barricaded railroad sidyard.) Provide data for each category.

Table 13.1: Contingency/Mobilization Storage (R 7/06/94 & 9/22/94)

Category of Space	Total SF*	# of Units*	Comment
Revetments	0	0	
Railcars	217,155	465	
Barges	86,203	31	
Explosive Holding Yards	0	0	
Explosive Anchorages	N/A	4	***
Barricaded Railroad Siding	181,663	79	**
Other	0	0	
Rail Truck Receiving Station	4,160	0	
Operational Storage	36,640	0	
TOTAL SF	525,821	579	

* None are excess to planned need. (R 7/6/94)

** Capacity for 389 railcars.

*** The NEW capacity of our anchorages is: (R 9/22/94)

<u>Anchorage</u>	<u>NEW (lbs)</u>
<u>12</u>	<u>6.0M</u>
<u>13</u>	<u>.1M</u>
<u>14</u>	<u>6.0M</u>
<u>26*</u>	<u>5.1M</u>

13.2 What is the fraction and square footage of your excess to the total storage space that is or will be available at each location with the completion of the MILCON projects that have been awarded but are yet to be completed.

Fraction Excess = N/A

Amount Excess = N/A

Note: WPNSTA Concord does not have any MILCON projects that are awarded but not completed

13.3 What ship berthing by general class, may be available for naval ship berthing during holiday surge periods? Address available berthing for the CVN, SSBN, CG-52, LPD, and FFG classes, as a minimum. State answers in terms of the number of ships that can be berthed without nesting. Information is only desired on ship berthing, that, if used for holiday surge berthing, will not interfere with ongoing or planned logistic loadouts or downloading. Also indicate the largest ship possible that can be berthed at each pier and wharf.

- a. A total of 6 berths are available to berth (6) combatants (FFG), depending on other workload requirements. Historically, there is adequate berthing during the holiday period to berth 2-3 FFG's.
- b. Berthing cannot be provided for large Navy combatant vessels because of bridge height or channel depth requirements. SSBN's cannot be berthed because of pier design and tidal action. Typically, submarines require a sheltered area to berth.

13.4 Identify any HERO restrictions for operating radars and other sensors of Navy ships at your ordnance piers. Also identify any hot work restrictions or inhibitions against berthing POL or other ships with empty fuel tanks that are not gas-free.

Station regulations require that ship's radar and radio communication equipment not be operated during ammunition handling operations. If operational necessity requires testing of radiating equipment before leaving the piers, the ship must request permission from the station C.O. A determination of HERO safety is made using the requirements of NAVSEA OP3565, "Electromagnetic Radiation Hazards". If it is determined that testing can be safely done, it is scheduled for a time that pier handling operations are not underway. Hot work on ammunition ships is not normally performed at station piers, but if operational necessary requires, it is performed in accordance with NAVSEA S6470-AA-SAF-010, "Gas Free Engineering Program".

14. Natural Inhibitors of Operations

14.1 Identify the percent of the planned work schedule at your facility for the period FY 1990-1993 (averaged by month) interrupted by local weather or climatic conditions (i.e., how many man-years are lost annually by month because of: thunder storm, hurricane, tornado, blizzard, below freezing conditions, earthquake or other performance-impinging natural condition?).

Table 14.1.a: Impact on Operations

(R 7/6/94)

	FY	January	February	March	April	May	June
Average % Schedule Interrupted	90	2%	2%	2%	0	0	0
	91	2%	2%	2%	0	0	0
	92	2%	2%	2%	0	0	0
	93	2%	2%	2%	0	0	0

Table 14.1.b: Impact on Operations

(R 7/6/94)

	FY	Jul	Aug	Sep	Oct	Nov	Dec
Average % Schedule Interrupted	90	0	0	0	0	0	1%
	91	0	0	0	0	0	1%
	92	0	0	0	0	0	1%
	93	0	0	0	0	0	1%

WPNSTA Concord has experienced a very low level of thunderstorms, due to its location between the Pacific Ocean and the Sierra Nevada mountains. There are only approximately 4 times during the year when operations could be shut down operations due to lightning potential. This yields about three hours per incident or a total of 12 hours per year. The months these incidents are most likely to occur are December thru March.

Using a worst case scenario for Port Operations, the total number hours lost annually to lightning potential is approximately (3 hours per incident x 6 teams x 4 incidents per year) 1224 hours or .7 manyears on an annual basis.

A major means of reducing lost time comes from the use of two pieces of equipment to detect the approach of lightning activity in the area. This station has a 3M Stormscope and a field mill which shows the electrical field conditions directly over the station and electrical activity many miles away from the station. By the careful monitoring of this equipment, explosive handling does not cease unless lightning approaches the immediate area on station. Prior to the installation of this equipment, work was stopped if lightning was in the general area.

Environment and Encroachment

15. Environmental Considerations

15.1 Identify all environmental restrictions to expansion at your activity.

WPNSTA Concord has a total of 12,881 acres. Expansion is restricted on 3,805 acres of wetlands and 154 acres of riparian habitat. There is no reason known that environmental permits required for expansion could not be obtained on other parts of the property.

15.2 Describe the undeveloped acreage or waterfront that is unique to the station or facility. Include any acreage that is suitable for industrial development.

Concord has 9,351 acres of undeveloped land which is not suitable for construction. Those acres are either hillsides too steep to build on or are protected wetlands.

(R 9/22/94)

Concord has 901.3 acres of undeveloped land which is restricted by explosive arcs to be used for construction of ordnance operating buildings or storage magazines only.

(R 9/22/94)

Concord has 235.32 acres which are undeveloped, have no explosive arc restrictions, and are suitable for industrial development. This property is broken into several smaller areas, some with no current road access. The largest single site is about 128 acres which has road and rail access and is ideal for industrial development

15.3 Identify any specific facilities, programs, or capabilities in regard to the handling and disposal of hazardous materials/waste at your activity.

Building E-61 stores hazardous materials, excluding ordnance materials. It is not permitted; permitting is not required. It may store hazardous materials on the station Authorized Use List. The building has a concrete floor for spill containment. The capacity is not determined, but far exceeds requirements.

Building 433 stores containers of hazardous waste. It has an RCRA TSD Permit to store 14,080 gallons of waste for two years, but Otto Fuel waste and ordnance waste are excluded. The building has concrete floors and trenches for spill containment.

Building A-3 has a concrete pad for storing hazardous waste wood dumpsters. It has an RCRA TSD Permit to store 240 cubic yards of waste for five years.

There are no disposal facilities. There are four treatment facilities as follows:

- Silver Recovery Unit, Bldg. IA-18, 9.4 gallons maximum holding capacity
- Silver Recovery Unit, Bldg. IA-22, 4.2 gallons maximum holding capacity
- Silver Recovery Unit, Bldg. IA-58, 7.4 gallons maximum holding capacity
- Fluorescent Tube Crusher Unit, Bldg. IA-46, 55 gallon maximum storage capacity

16. Encroachment Considerations

16.1 Identify any ground, industrial noise, approach channel, waterway, harbor, bridge height, turning basin, Explosive Quantity Distance Standard (ESQD), HERO, and airspace encroachments of record at your activity.

Table 16.1: Encroachments of Record

Encroachment	Date Recorded	Current Status
SEE NOTE *		

Note: Encroachments for the purpose of this table are those external conditions over which the Navy has no control which affect Concord's ability to perform it's assigned mission.

Encroachment: Approach channel of 300 foot width; 35 foot depth. Army Corps of Engineers maintains this channel for commercial as well as Navy use. Potential exists for deepening the channel to 42 feet in the future. The channel has been in existence since the mid 1800's.

Encroachment: Bridge height of 135 feet at Mean High Water. California Department of Transportation maintains a highway bridge and Santa Fe Railroad maintains a rail bridge at those heights. No change is expected. Bridges have been there since the early 1900's.

Encroachment: Explosive Safety Quantity Distance (ESQD) arcs. The last acquisition of land within Concord's arcs was in 1992 when a public highway was acquired to reduce public exposure to ordnance operations at our piers. There is one vacant plot of land within our arcs which is currently being sought by the Navy to eliminate an existing exemption condition. There are no other opportunities for the public to encroach upon our operations because all other land is held by the Navy now.

Encroachment: There are some spaces within the station boundaries which are HERO restricted because of adjacent public radio towers built in the 50's and 60's. Since the land within the boundaries of the station in those areas is covered by explosive arcs from storage magazines and pier operations, and is not suitable for additional construction, there is no disruption to station operations now, nor is there any expected in the future.

Encroachment: FAA controls a portion of the station's airspace as an approach pattern to Buchanan Airfield in Concord. The limited helo operations conducted by Concord are coordinated with the local FAA tower so there is no disruption to operations. Buchanan Airfield has been active since the 1930's.

There are no known future encroachments which are not already covered by existing ownership of land and water approaches. Changes to explosive safety regulations are dealt with when they come up, frequently by "grandfathering" an existing condition as an exemption to the new rules.

Quality of Life**17. Military Housing - Family Housing**

17.1 Do you have mandatory assignment to on-base housing? Yes / No

No

17.2 For military family housing in your locale, provide the following information:

Table 17.2: Available Military Family Housing

Type of Quarters	Number of Bedrooms	Total number of units	Number Adequate	Number Substandard	Number Inadequate
Officer	4+	4	4	0	0
Officer	3	19	19	0	0
Officer	2	10	10	0	0
Enlisted	4+	16	16	0	0
Enlisted	3	68	68	0	0
Enlisted	2	244	244	0	0
Mobile Homes	0	0	0	0	0
Mobile Home lots	0	0	0	0	0

17.3 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.

- 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?

N/A

17.4 Complete the following table for the military housing waiting list. Report Number on list as of 31 March 1994.

Table 17.4: Military Housing Waiting List

Pay Grade	Number of Bedrooms	Number on List	Average Wait
O-6/7/8/9	1	0	0
	2	0	0
	3	0	0
	4+	0	0
O-4/5	1	0	0
	2	0	0
	3	0	0
	4+	0	0
O-1/2/3/CWO	1	0	0
	2	1	3 to 4 weeks
	3	3	3 to 4 weeks
	4+	0	0
E7-E9	1	0	0
	2	0	0
	3	2	2 to 3 weeks
	4+	0	0
E1-E6	1	0	0
	2	28	2 to 3 weeks
	3	10	5 to 6 weeks
	4+	1	8 to 24 weeks

17.5 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.

Table 17.5: Housing Demand Factors

Top Five Factors Driving the Demand for Base Housing	
1	High cost of rent for civilian housing
2	High utility costs
3	Low cost housing is usually in a high crime area.
4	Base housing is usually in a secure area.
5	Short Commute

17.6 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)?

100 %

17.7 Provide the utilization rate for family housing for FY 1993.

Table 17.7: Family Housing Utilization

Type of Quarters	Utilization Rate (%)
Adequate	98%
Substandard	-
Inadequate	-

17.8 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 CHANGE.

18. Military Housing - Bachelor Quarters

18.1 Provide the utilization rate for Bachelor Enlisted Quarters(BEQs) for FY 1993.

Table 18.1: BEQ Utilization

(R 9/27/94)

Type of Quarters	Utilization Rate
Adequate	83.5% - Bldg. 396/397
Substandard	99% - Bldg. 187
Inadequate	N/A

18.2 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?

Yes, deactivation of the Marines Security Force

18.3 Calculate the Average on Board (AOB) for Geographic Bachelors (GB) as follows:

AOB = (# GB) x (average # of days in barracks) 365

AOB = 30

(R 9/27/94)

18.4 Indicate in the following chart the percentage of Geographic Bachelors (GB) by category of reasons for family separation. Provide comments as necessary.

Table 18.4: Reasons for Geographic Separation (BEQ)

Reason for Separation from Family	Number of GB	Percent of GB	Comments
Family Commitments (children in school, financial, etc.)	20	83.3	
Spouse Employment (non-military)	0	0	
Other	4	16.7	
TOTAL	24	100	

18.5 How many enlisted Geographic Bachelors (GB) do not live on base?

GB Off-Base = 0

18.6 Provide the utilization rate for Bachelor Officers Quarters (BOQs) for FY 1993.

Table 18.6: BOQ Utilization

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

18.7 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?

N/A

18.8 Calculate the Average on Board (AOB) for Geographic Bachelors as follows: $AOB = \frac{\# GB \times \text{average \# days in barracks}}{\# GB}$

AOB = N/A

18.9 Indicate in the following chart the percentage of Geographic Bachelors by category of reasons for family separation. Provide comments as necessary.

Table 18.9: Reasons for Geographic Separation (BOQ)

R 7/06/94

Reason for Separation from Family	# of GB	% of GB	Comments
Family Commitments (children in school, financial, etc.)	N/A	N/A	
Spouse Employment (non-military)	N/A	N/A	
Other	N/A	N/A	
TOTAL	N/A	N/A	

18.10 How many officer Geographic Bachelors do not live on base?

GB Off-Base = N/A

19. MWR Facilities

19.1 For on-base MWR facilities available, complete the following table for each separate location. These are spaces designed for a particular use. A single building might contain several facilities, each of which should be listed separately. For off-base government-owned or leased recreation facilities, indicate their distance from your base. If there are any facilities not listed, include them at the bottom of the table.

LOCATION: All facilities located on station **DISTANCE:** N/A

Table 19.1.a: MWR Facilities Summary

(R 9/27/94)

Facility	Unit of Measure	Total	Profitable (Y/N- N/A)
Auto Hobby	Indoor Bays	3	Y
	Outdoor Bays	8	Y
Arts / Crafts	SF	0	N/A
Wood Hobby	SF	0	N/A
Bowling	Lanes	0	N/A
Enlisted Club	SF	0	N/A
Officers Club	SF	0	N/A
Library	SF	0	N/A
Library	Books	0	N/A
Theater	Seats	0	N/A
ITT	SF	8,344*	Y
Museum / Memorial	SF	0	N/A
Pool (indoor)	Lanes	0	N/A
Pool (outdoor)	Lanes	5	Y
Beach	LF	0	N/A
Swimming Ponds	Each	0	N/A
Tennis Court	Each	3	N/A
Recreational Vehicle Parking Area	SP	55	Y
Personal Storage Lockers	EA	18	Y
Car Wash	EA	1	Y
Station Cafe	SF	450	Y

Table 19.1.a: MWR Facilities Summary

(R 9/27/94)

Facility	Unit of Measure	Total	Profitable (Y/N- N/A)
Recreation Center	SF	15,000	Y
Computer Learning Center	SF	450	Y
Recycling Center Program	SF	5,000	Y
Entertainment Sound Center	SF	450	Y
Outdoor Recreation Gear Rental Center	SF	7,000	Y
Picnic/Gazebo Grounds	SF	90,000	Y

* Co-Located with the Recreation Center

Table 19.1.b: MWR Facilities Summary

(R 9/27/94)

Facility	Unit of Measure	Total	Profitable (Y / N / N/A)
Volleyball court (outdoor)	Each	1	N/A
Basketball court (outdoor)	Each	1	N/A
Racquetball court	Each	2	N/A
Golf Course	Holes	0	N/A
Driving Range	Tee Boxes	0	N/A
Gymnasium	SF	12,867	N/A
Fitness Center	SF	1,966	N/A
Marina	Berths	0	N/A
Stables	Stalls	0	N/A
Softball Field	Each	1	N/A
Football Field	Each	1	N/A
Soccer Field	Each	1	N/A
Youth Center	SF	12,000	Y *

* This program is self-sufficient. All staff members are APF.

19.2 Is your library part of a regional interlibrary loan program?

N/A

20. Base Family Support Facilities and Programs

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

Table 20.1: Child Care Availability

Age Category	Capacity (# Children)	SF *			Number on Wait List **	Average Wait (Days)
		Adequate	Substandard	Inadequate		
0-6 Months	8					
6-12 Months	8					
12-24 Months	20					
24-36 Months	14					
3-5 Years	7					

* Child care is provided at private residences by certified Home care providers.

** No children on waiting list at this moment R 7/06/94

20.2 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?

N/A

20.3 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.

There are occasional waiting periods for Family Child Care

20.4 How many "certified home care providers" are registered at your base? # = 13

(R 9/22/94

The number of home care providers is adequate to satisfy child care requirements, and smaller than the Child/Home care provider ratio mandated by the State of California.

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

Mare Island Naval Shipyard, 80 children (1 - 5), capacity current enrollment - 50

NAS Alameda, 130 children (6 months - 5 years), capacity current enrolment - 122

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

Table 20.6: Available Services

(R 9/27/94)

Service	Unit of Measure	Quantity
Exchange	SF	9,930
Gas Station	SF	0
Auto Repair	SF	0
Auto Parts Store	SF	0
Commissary	SF	0
Mini-Mart	EA	1
Package Store	SF	0
Fast Food Restaurants	Each	0
Bank/Credit Union	Each	1
Family Service Center	SF	0
Laundromat	SF	200
Dry Cleaners	Each	0
ARC	PN	0
Chapel	SF	3,703
FSC Classroom/Auditorium	PN	0
Family Home Care Service	EA	1
Barber Shop	Each	1

21. Metropolitan Areas

21.1 Identify proximate major metropolitan areas closest to your base (provide at least 3):

Table 21.1: Proximate Metropolitan Areas

City	Distance (Miles)
Central Contra Costa Co. Metro Area - Contiguous Cities: Walnut Creek, Concord, Pleasant Hill, Martinez)	6
Northwest Contra Costa Co. Metro Area - Contiguous Cities: Richmond, El Cerrito, Hercules, Rodeo)	30
South Contra Costa Co. Metro Area - Contiguous Cities: San Ramon, Danville, Alamo, Dublin)	20
East Contra Costa Co. Metro Area - Contiguous Cities: Pittsburg, Antioch, Bay Point)	10
Southwest Solano Co. Metro Area - Contiguous Cities: Vallejo, Benicia	20
South Central Solano Co. Metro Area - Contiguous Cities: Fairfield, Vacaville)	40
Sacramento Metro Area	55
Oakland Metro Area	30
San Francisco Metro Area	40

22. VHA Rates

22.1 Identify the Standard Rate VHA Data for Cost of Living in your area:

Table 22.1: VHA Rates

(R 9/27/94)

Paygrade	With Dependents	Without Dependents
E1	293.15	164.02
E2	293.15	184.36
E3	293.24	216.07
E4	327.05	228.68
E5	364.54	254.52
E6	426.61	290.40
E7	470.56	326.88
E8	441.81	334.01
E9	466.34	354.01
W1	434.79	330.21
W2	425.62	333.83
W3	498.68	405.38
W4	551.71	489.17
O1E	412.24	305.78
O2E	448.93	357.92
O3E	534.95	452.57
O1	374.41	278.89
O2	396.92	310.24
O3	478.00	402.45
O4	519.00	451.32
O5	568.00	470.06
O6	538.99	446.13
O7	474.88	385.83

23. Off-base Housing Rental and Purchase

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

Table 23.1: Recent Rental Rates

Type of Rental	Average Monthly Rent		Average Monthly Utilities Cost
	Annual High	Annual Low	
Efficiency			
Apartment (1-2 Bedroom)	\$ 631	Stable	\$ 45
Apartment (3+ Bedroom)	\$ 807	Stable	\$ 48
Single Family Home (3 Bedroom)	\$1,190	Stable	\$ 100
Single Family Home (4+ Bedroom)	\$1,888	Stable	\$120
Town House (2 Bedroom)	\$ 665	Stable	\$ 50
Town House (3+ Bedroom)	\$ 977	Stable	\$ 60
Condominium (2 Bedroom)	\$ 745	Stable	\$ 50
Condominium (3+ Bedroom)	\$1,048	Stable	\$ 60

23.2 What was the rental occupancy rate in the community as of 31 March 1994?

Table 23.2: Rental Occupancy Rate

Type Rental	Occupancy Rate (%)
Efficiency	
Apartment (1-2 Bedroom)	65%
Apartment (3+ Bedroom)	70%
Single Family Home (3 Bedroom)	83%
Single Family Home (4+ Bedroom)	87%
Town House (2 Bedroom)	72%
Town House (3+ Bedroom)	75%
Condominium (2 Bedroom)	72%
Condominium (3+ Bedroom)	75%

23.3 What are the median costs for homes in the area?

Table 23.3: Regional Home Costs

Type of Home	Median Cost
Single Family Home (3 Bedroom)	\$ 175,000
Single Family Home (4+ Bedroom)	\$ 201,000
Town House (2 Bedroom)	\$ 120,000
Town House (3+ Bedroom)	\$ 128,000
Condominium (2 Bedroom)	\$ 150,000
Condominium (3+ Bedroom)	\$ 163,000

23.4 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.

Table 23.4: Housing Availability

MONTH	2 BEDROOMS	3 BEDROOMS	4 BEDROOMS
Januray	658	1567	900
February	710	1625	955
March	668	1580	820
April	678	1650	888
May	680	1677	915
June	758	1585	900
July	870	1646	932
August	765	1677	960
September	724	1650	936
October	687	1634	966
November	660	1638	932
December	673	1645	930

23.5 Describe the principle housing cost drivers in your local area.

Rand McNally has reported the San Francisco Bay Area as the most expensive housing market in CONUS for the last ten years. The housing market is driven by several factors:

- a. **Rapidly increasing immigration**
- b. **Expansion of Pacific Rim markets**
- c. **Increasing activity by high tech industries**
- d. **Highly educated and skilled labor pool**
- e. **Superior educational system**
- f. **Excellent medical care**
- g. **Varied recreational opportunities**
- h. **Access to the Arts**

24. Sea-Shore Opportunities

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

Table 24.1: Sea Shore Opportunities

Rating	# Sea Billets in Local Area	# Shore Billets in Local Area
BM	270	13
GM	84	22
MM	210	5
HT	30	0
EN	20	11

25. Commuting Distances

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

Table 25.1: Commuting Distances

Location	% Employees	Distance (mi)	Time (min)
Contra Costa County (West-East-Central)	67	15	25
Solano County (North)	13	30	40
Solano County (Fairfield)	12	30	45
San Francisco Bay Area	6	45	60
Napa County (North)	2	55	80

26. Regional Educational Opportunities

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

26.1 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/ACT 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.

Table 26.1: EDUCATIONAL OPPORTUNITIES

Institution	Type	Grade Level(s)	Special Education Available	Annual Enrollment Cost/Student	SAT/ACT Score	% HS to College	Source of Info
-------------	------	----------------	-----------------------------	--------------------------------	---------------	-----------------	----------------

City of Concord Schools

(R12/06/94)

Ayers	Public	K-5	LH	\$ 3,217.14	See ¹	See ¹	Education Dept
Cambridge	Public	Special Ed	LH/SH/PH/CM	\$ 3,217.14	See ¹	See ¹	Education Dept
El Monte	Public	K-5	LH	\$ 3,217.14	See ¹	See ¹	Education Dept
Fair Oaks	Public	K-5	LH	\$ 3,217.14	See ¹	See ¹	Education Dept
Highlands	Public	K-5	LH	\$ 3,217.14	See ¹	See ¹	Education Dept
Holbrook	Public	K-5	LH	\$ 3,217.14	See ¹	See ¹	Education Dept
Meadow Homes	Public	K-5	LH	\$ 3,217.14	See ¹	See ¹	Education Dept
Monte Gardens	Public	K-5	LH	\$ 3,217.14	See ¹	See ¹	Education Dept
Shadelands	Public	Special Ed	LH, SH, PH, CM	\$ 3,217.14	See ¹	See ¹	Education Dept
Silverwood	Public	K-5	LH	\$ 3,217.14	See ¹	See ¹	Education Dept
Sunterrace	Public	K-5	LH	\$ 3,217.14	See ¹	See ¹	Education Dept
Westwood	Public	K-5	LH	\$ 3,217.14	See ¹	See ¹	Education Dept
Woodside	Public	K-5	LH	\$ 3,217.14	See ¹	See ¹	Education Dept
Ygnacio	Public	K-5	LH	\$ 3,217.14	See ¹	See ¹	Education Dept
El Dorado	Public	6-8	LH	\$ 3,217.14	See ¹	See ¹	Education Dept
Glenbrook	Public	K-5	LH	\$ 3,217.14	See ¹	See ¹	Education Dept
Oak Grove	Public	K-5	LH	\$ 3,217.14	See ¹	See ¹	Education Dept
Pine Hollow	Public	K-5	LH	\$ 3,217.14	See ¹	See ¹	Education Dept
Mt. Diablo	Public	9-12	LH	\$ 3,217.14	See ²	See ²	Education Dept
Ygnacio Valley	Public	9-12	LH	\$ 3,217.14	See ²	See ²	Education Dept

Institution	Type	Grade Level(s)	Special Education Available	Annual Enrollment Cost/Student	SAT/ACT Score	% HS to College	Source of Info
Horizons School	Public	K-12	Independent Study	\$ 3,217.14	See ¹	See ¹	Education Dept
Olympic Continuation	Public	9-12	LH	\$ 3,217.14	See ¹	See ¹	Education Dept

¹ SAT/ACT SCORE AND % HS TO COLLEGE NOT APPLICABLE

(R17/6/94

² High School SAT scores not available.

Vallejo City School District

Beverly Hills	Public	K-6	LH, PH	\$ 3,217.14	See ¹	See ¹	Education Dept
Cave	Public	K-6	LH	\$ 3,217.14	See ¹	See ¹	Education Dept
Cooper	Public	K-6	LH, PH	\$ 3,217.14	See ¹	See ¹	Education Dept
Davidson	Public	K-6	PH	\$ 3,217.14	See ¹	See ¹	Education Dept
Everest	Public	K-6	LH	\$ 3,217.14	See ¹	See ¹	Education Dept
Farragut	Public	K-6		\$ 3,217.14	See ¹	See ¹	Education Dept
Glen Cove	Public	K-6	LH, PH	\$ 3,217.14	See ¹	See ¹	Education Dept
Highland	Public	K-6	LH	\$ 3,217.14	See ¹	See ¹	Education Dept
Lincoln	Public	K-6		\$ 3,217.14	See ¹	See ¹	Education Dept
Loma Vista	Public	K-6	LH, PH, CH	\$ 3,217.14	See ¹	See ¹	Education Dept
Mare Island	Public	K-6		\$ 3,217.14	See ¹	See ¹	Education Dept
Mini	Public	K-6	LH	\$ 3,217.14	See ¹	See ¹	Education Dept
Patterson	Public	K-6		\$ 3,217.14	See ¹	See ¹	Education Dept
Pennycook	Public	K-6	PH, CH	\$ 3,217.14	See ¹	See ¹	Education Dept
Steffan Manor	Public	K-6	PH	\$ 3,217.14	See ¹	See ¹	Education Dept
Wardlaw	Public	K-6	LH, PH	\$ 3,217.14	See ¹	See ¹	Education Dept
Widenman	Public	K-6	PH, CH	\$ 3,217.14	See ¹	See ¹	Education Dept
Franklin Jr	Public	7-9	LH, PH, CH	\$ 3,217.14	See ¹	See ¹	Education Dept
Solano Jr	Public	7-9	LH, PH	\$ 3,217.14	See ¹	See ¹	Education Dept
Springstowne Jr	Public	7-9	PH, MH	\$ 3,217.14	See ¹	See ¹	Education Dept
Vallejo Jr	Public	7-9	LH, PH	\$ 3,217.14	See ¹	See ¹	Education Dept
Hogan Sr	Public	10-12	LH, PH, CH	\$ 3,217.14	See ²	See ²	Education Dept

Institution	Type	Grade Level(s)	Special Education Available	Annual Enrollment Cost/Student	SAT/ACT Score	% HS to College	Source of Info
Peoples	Public	Special Ed	SH, PH	\$ 3,217.14	See ¹	See ¹	Education Dept
Vallejo Sr	Public	10-12	LH, PH	\$ 3,217.14	See ²	See ²	Education Dept

¹ SAT/ACT SCORE AND % HS TO COLLEGE NOT APPLICABLE

(R17/6/94

² High School SAT scores not available.

SH=Severly handicapped/LH=Learning handicapped/PH=Physically handicapped/
CH=Communicative handicapped

26.2 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 applicable boxes.

Table 26.2: Off-Base Educational Programs

R 7/06/94

Institution	Type Classes	Program Type				
		Adult High School	Vocational/ Technical	Undergraduate		Graduate
				Courses only	Degree Program	
CHABOT COLLEGE HAYWARD, CA	Day	Yes	Yes	Yes	AA	N/A
	Night	Yes	Yes	Yes	AA	N/A
COLLEGE OF ALAMEDA ALAMEDA, CA	Day	Yes	Yes	Yes	AA, AS	N/A
	Night	Yes	Yes	Yes	AA, AS	N/A
CONTRA COSTA COLLEGE SAN PABLO, CA	Day	Yes	Yes	Yes	AA, AS	N/A
	Night	Yes	Yes	Yes	AA, AS	N/A
DIABLO VALLEY COLLEGE PLEASANT HILL, CA	Day	Yes	Yes	Yes	AA, AS	N/A
	Night	Yes	Yes	Yes	AA, AS	N/A
HEALD BUSINESS COLLEGE CONCORD, CA	Day	Yes	No	Yes	AS	N/A
	Night	Yes	No	Yes	AS	N/A
HEALD BUSINESS COLLEGE HAYWARD	Day	Yes	No	Yes	AS	N/A
	Night	Yes	No	Yes	AS	N/A
HEALD COLLEGE OAKLAND, CA	Day	Yes	No	Yes	AS	N/A
	Night	Yes	No	Yes	AS	N/A
HEALD INSTITUTE OF TECHNOLOGY MARTINEZ, CA	Day	No	Yes	Yes	AS	N/A
	Night	No	Yes	No	N/A	N/A
LANEY COLLEGE OAKLAND, CA	Day	Yes	No	Yes	AA, AS	N/A
	Night	No	No	No	N/A	N/A
LAS POSITAS COLLEGE LIVERMORE, CA	Day	Yes	Yes	Yes	AA	N/A
	Night	Yes	Yes	Yes	AA	N/A
LOS MEDANOS COLLEGE PITTSBURG, CA	Day	No	Yes	Yes	AA, AS	N/A
	Night	No	Yes	Yes	AA, AS	N/A
MERRITT COLLEGE OAKLAND, CA	Day	No	No	Yes	AA, AS	N/A
	Night	No	No	Yes	AA, AS	N/A
NAPA VALLEY COLLEGE NAPA, CA	Day	No	Yes	Yes	AA, AS	N/A
	Night	No	Yes	Yes	AA, AS	N/A
OHLONE COLLEGE FREMONT, CA	Day	Yes	Yes	Yes	AA, AS	N/A
	Night	Yes	Yes	Yes	AA, AS	N/A

Institution	Type Classes	Program Type				
		Adult High School	Vocational/ Technical	Undergraduate		Graduate
				Courses only	Degree Program	
SOLANO COLLEGE SUISUN CITY, CA	Day	Yes	Yes	Yes	AA, AS	N/A
	Night	Yes	Yes	Yes	AA, AS	N/A
VISTA COLLEGE BERKELEY, CA	Day	Yes	Yes	Yes	AA, AS	N/A
	Night	Yes	Yes	Yes	AA, AS	N/A
						11/29/94
ARMSTRONG UNIVERSITY BERKELEY, CA	Day	Yes	No	Yes	BA	MA
	Night	Yes	No	Yes	BA	MA
CALIFORNIA COLLEGE OF ARTS AND CRAFTS OAKLAND, CA	Day	Yes	No	Yes	BA	MA
	Night	No	No	No	N/A	N/A
CALIFORNIA MARITIME ACADEMY VALLEJO, CA	Day	Yes	No	No	BA	NONE
	Night	No	No	No	N/A	N/A
CALIFORNIA STATE UNIVERSITY HAYWARD, CA	Day	Yes	No	Yes	BA	MA
	Night	Yes	No	Yes	BA	MA
DOMINICAN SCHOOL OF PHILOSOPHY AND THEOLOGY BERKELEY, CA	Day	Yes	No	Yes	BA	MA
	Night	No	No	No	N/A	N/A
HOLY NAMES COLLEGE OAKLAND, CA	Day	Yes	No	Yes	BA	MA
	Night	Yes	No	Yes	BA	MA
JOHN F. KENNEDY UNIVERSITY ORINDA, CA	Day	Yes	No	Yes	BA	MA
	Night	Yes	No	Yes	BA	MA
MILLS COLLEGE OAKLAND, CA	Day	Yes	No	Yes	BA	MA
	Night	No	No	No	N/A	N/A
PATTEN COLLEGE OAKLAND, CA	Day	Yes	No	Yes	AS/BS	NONE
	Night	No	No	No	N/A	N/A
SAINT MARY'S COLLEGE OF CALIFORNIA MORAGA, CA	11/29/94					
	Day	Yes	No	Yes	BA/BS	MA/MS/MBA
	Night	Yes	No	Yes	BA/BS	MA/MS/MBA
SAMUEL MERRITT COLLEGE OAKLAND, CA	Day	Yes	No	Yes	BA	MA
	Night	No	No	No	NA	NA
UNIVERSITY OF CALIFORNIA AT BERKELEY BERKELEY, CA	Day	Yes	No	Yes	BA/BS	MA/MS/PHD /MBA/D Eng
	Night	No	No	Yes	CERTIFICATES	MBA

26.3 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 applicable boxes.

Table 26.3: On-Base Educational Programs

Institution	Type Classes	Program Type				
		Adult High School	Vocational/Technical	Undergraduate		Graduate
				Courses only	Degree Program	
NONE ¹	Day					
	Night					
	Correspondence					

¹ The Human Resources Detachment on base provides information on availability of educational services.

27. Spousal Employment Opportunities

27.1 Provide the following data on spousal employment opportunities.

Table 27.1: Spouse Employment

R 7/06/94

Skill Level	# Military Spouses Serviced by FSC Spouse Employment Assistance *			Local Community Unemployment Rate (%)
	1991	1992	1993	
Professional				6.6% **
Manufacturing				6.6% **
Clerical				6.6% **
Service				6.6% **
Other				6.6% **

*No FSC on Station. The nearest FSCs are at MARE Island Naval Shipyard and NAS Alameda

**Unemployment data not captured by skill level.

28. Medical/Dental Care

28.1 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.

There is a medical/dental clinic on station. There are three regional medical centers, a county hospital and several private hospitals in the area. Concord is in the center of a large metropolitan area with ample access to medical and dental care. Active duty personnel and their dependents have access to a number of medical centers and hospitals through CHAMPUS. The nearest Military Facilities are the Naval Hospital Oak Knoll and the David Grant Memorial Hospital located approximately 36 miles from the Station.

28.2 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.

There is a medical/dental clinic on station. There are three regional medical centers, a county hospital and several private hospitals in the area. Concord is in the center of a large metropolitan area with ample access to medical and dental care. Active duty personnel and their dependents have access to a number of medical centers and hospitals through CHAMPUS. The nearest Military Facilities are the Naval Hospital Oak Knoll and the David Grant Memorial Hospital located approximately 38 miles from the Station.

29. Crime Rate

29.1 Complete the table below to indicate the crime rate for your activity for the last three fiscal years. The source for case category definitions to be used in responding to this question are found in the NCIS Manual, dated 23 February 1989, at Appendix A, entitled "Case Category Definitions." Note: the crimes reported in this table should *include* (a) 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* (b) all reported criminal activity off base.

Table 29.1.a: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
1. Arson (6A)	(4)	(3)	(2)
Base Personnel - military	3	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	1	3	2
2. Blackmarket (6C)	0	0	0
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
3. Counterfeiting (6G)	0	0	0
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
4. Postal (6L)	0	(1)	(1)
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	1
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	1	0

Table 29.1.b: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
5. Customs (6M)	0	0	0
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
6. Burglary (6N)	(34)	(37)	(50)
Base Personnel - military	2	4	1
Base Personnel - civilian	1	3	9
Off Base Personnel - military	2	3	1
Off Base Personnel - civilian	29	27	39
7. Larceny - Ordnance (6R)	(2)	0	(3)
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	3
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	2	0	0
8. Larceny - Government (6S)	(20)	(24)	(14)
Base Personnel - military	3	10	6
Base Personnel - civilian	9	9	6
Off Base Personnel - military	2	3	0
Off Base Personnel - civilian	6	2	2

Table 29.1.c: Local Crime Rate

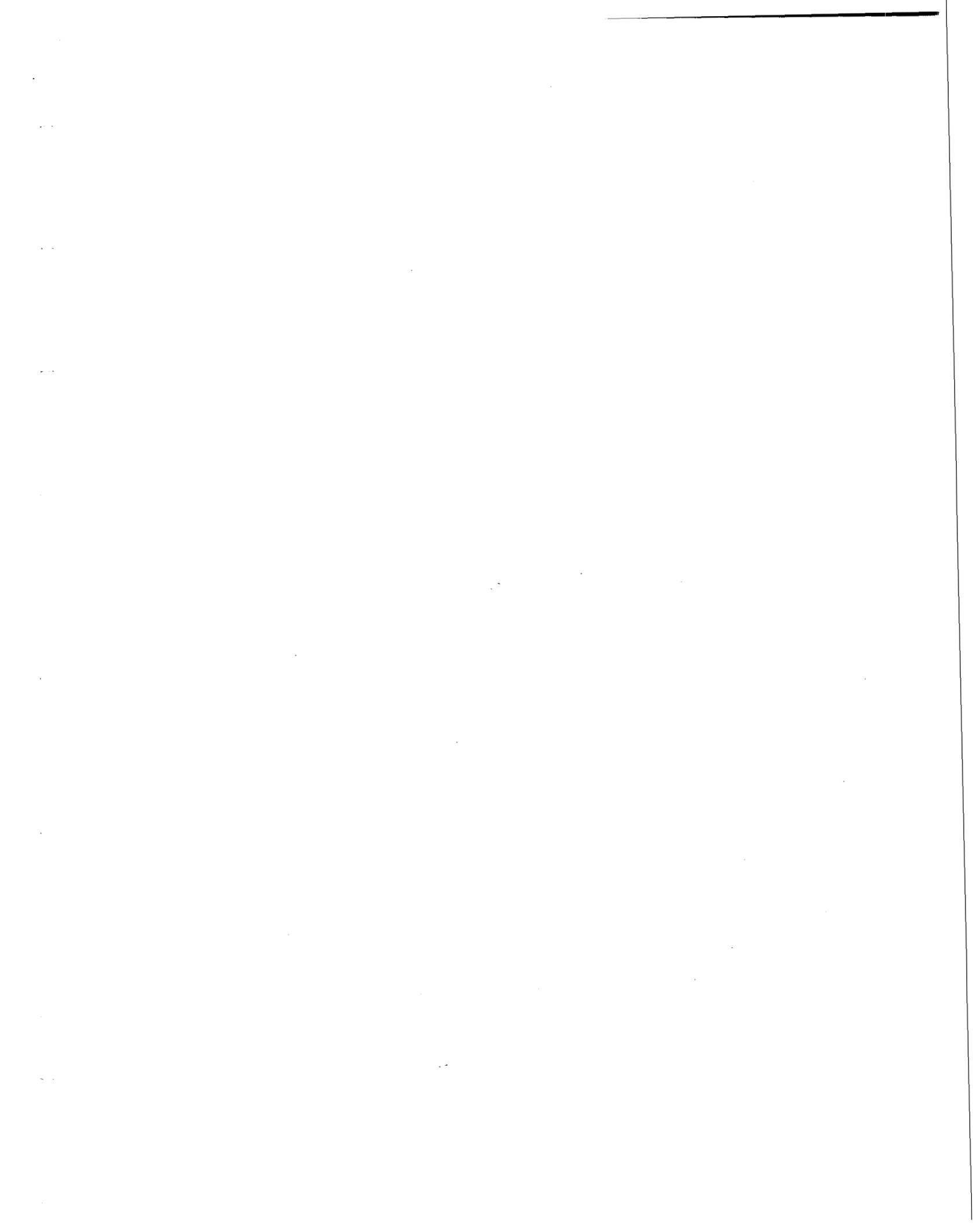
Crime Definitions	FY 1991	FY 1992	FY 1993
9. Larceny - Personal (6T)	(23)	(30)	(25)
Base Personnel - military	11	9	9
Base Personnel - civilian	2	4	12
Off Base Personnel - military	2	13	2
Off Base Personnel - civilian	8	4	2
10. Wrongful Destruction (6U)	(71)	(79)	(72)
Base Personnel - military	44	39	25
Base Personnel - civilian	5	22	22
Off Base Personnel - military	2	3	11
Off Base Personnel - civilian	20	15	14
11. Larceny - Vehicle (6V)	(3)	(2)	(3)
Base Personnel - military	1	0	1
Base Personnel - civilian	1	0	2
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	1	2	0
12. Bomb Threat (7B)	(29)	(14)	(12)
Base Personnel - military	10	10	5
Base Personnel - civilian	2	2	2
Off Base Personnel - military	0	0	3
Off Base Personnel - civilian	17	2	2

Table 29.1.d: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
13. Extortion (7E)	0	0	0
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
14. Assault (7G)	(28)	(20)	(34)
Base Personnel - military	9	4	9
Base Personnel - civilian	0	1	10
Off Base Personnel - military	10	3	8
Off Base Personnel - civilian	9	12	7
15. Death (7H)	0	0	(1)
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	1
16. Kidnapping (7K)	0	0	0
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0

Table 29.1.f: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
22. Sex Abuse - Child (8B)	0	(3)	(1)
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	1	0
Off Base Personnel - civilian	0	2	1
23. Indecent Assault (8D)	0	0	0
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
24. Rape (8F)	0	0	(1)
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	1
25. Sodomy (8G)	0	0	(1)
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	1



BRAC-95 CERTIFICATION
DATA CALL 46
MILITARY VALUE

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

R. B. LANNING
(Please type or print)


Signature

COMMANDING OFFICER
Title

10/18/94
Date

Division

Department

NAVAL WEAPONS STATION CONCORD
Activity

103

Activity: N60036

DATA CALL WORK SHEET FOR MILITARY VALUE ANALYSIS

NAVAL WEAPONS STATIONS, NAVAL MAGAZINES, AND STRATEGIC WEAPONS FACILITIES

Primary Activity UIC: N60036

*totally
Revised*

Mission Area

1. Ordnance Storage

1.1 How much (in tons and square feet (SF)) of approved explosive ordnance (magazine) storage exists at the facility?

Table 1.1: Ordnance Storage

	Present Storage		FY 2001	
	SF	Tons	SF	Tons
Total Storage	829,104	50,653.1	829,104	50,653.1

1.2 What fraction of the available storage is in use and projected to be in use for the years indicated? (Note: Retain consistency with NAVSEAINST 8024.2, which indicates that 80% of the square feet in a magazine is effectively 100% full because of access and handling factors.)

Table 1.2: Fraction of Storage in Use

Ordnance Category	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997	FY 1999	FY 2001
LOE	41.80	41.24	40.26	56.06	56.91	57.76	58.61	59.46	60.31
Threat	16.70	13.11	5.50	9.47	9.85	10.23	10.61	10.99	11.37
Nuclear	-	-	-	-	-	-	-	-	-
Other*	4.10	8.60	5.50	4.12	4.12	4.12	4.12	4.12	4.12
Total	62.60	62.95	51.26	69.65	70.88	72.11	73.34	74.57	75.80

Activity: N60036

* OTHER: Non=DoN (ARMY) and all out granted magazines excluding "Q" Area NonDoN (AirForce). Projections are based on the assumption that ratios stay the same as present (disposal, temp stows, FFT, etc.) and load plan highs are reached by end of FY99.

1.3 Identify any specialized, unique or peculiar characteristics about your facilities, equipment, or skills at your activity to provide for ordnance storage? Highlight those that are "one of a kind" within the DON/DoD.

Concord routinely performs the mission of ordnance storage and has the appropriate equipment and skills to perform that function. Explosive certified forklifts, cranes, slings, vehicles, railcars, barges and other ordnance handling equipment is the major part of the station's plant equipment. Concord also has the personnel with the proper training and skills to handle and store any explosive material.

Concord is unique in having a facility for on-board training in AE type winch operations and a mock-up of a bulk load hold for forklift and blocking and bracing classes. These unique facilities, while not large or imposing, are the only ones known to train civilians and reservists to work on AEs and other breakbulk ships. These are facilities that provide a wider range of skills for personnel who normally perform storage functions and occasionally are assigned to the waterfront for large bulk load ordnance shipments.

Concord is unique in that it has ordnance storage immediately adjacent to the largest Net Explosive Weight (NEW) arcs and largest outload capacity piers in the Navy. Concord is unique in DOD in that respect because the only other large NEW port at Sunny Point on the East Coast has no long term storage capability at all. This proximity of storage to high NEW piers permits bulk quantities of ordnance to be kept adjacent, and with immediate access, to bulk loaded ships. This significantly shortens the Navy's logistics pipeline for urgently needed assets and keeps CONUS transportation costs to a minimum.

Concord has been designated to be the primary containerized ammunition transshipment point on the West Coast. A capability of 600 MILVAN containers a day is being created.

Perform and execute support for Army and Air Force Preposition Afloat Ammunition Programs. This mission is unique in that all inert as well as all ordnance maintenance handling functions are performed at Concord. Only Concord provides both the capability for performing maintenance of inert items as well as handling and loading the large quantities of explosive ordnance aboard these ships.

1.4 What percent of your total ordnance storage is performed for DON?

DON storage provided = 96.93 %

1.5 What percent of your total ordnance storage is performed for commercial manufacturers, other Military Departments, or other DoD agencies? List these customers and percent utilization.

FMS effort =	0.03%
Commercial effort =	-0- %
Other Military Departments (Army) =	0.01%
Other Military Department (Air Force) =	0.03%
Other DoD Agencies (specify) =	3.0% (COAST GUARD)

Mission Area

2. Ordnance Outload Facility

2.1 What type of ordnance pier side outload facility (container, bulk/breakbulk or specialized) does the station, magazine, or facility operate and what type of vessel can be accommodated? In the table below mark with an "X" those operations at your facility. If your facility accommodates other vessels at anchorage, please note below.

Table 2.1: Outload Characteristics

	Container	Bulk/Break Bulk	Specialized
Amphibious		X	Note: 1
Combatant		X	
CV/CVN		X	
Submarines		X	
CLF	X	X	Note: 1
Other Break Bulk	X	X	Note: 2
Container Ship	X	X	Note: 4
Other: Barges	X	X	Note: 3

Notes:

1. WPNSTA Concord has the capability to handle Landing Force Reserve Operational Material (L-FORM) which can be loaded on CLF Ships (AE'S) and the material transferred at sea to LPH, LPD, LKA, LHA and LHD Amphibious vessels. Small combatants are accommodated at piers. All larger vessels are handled at explosives anchorages.

2. Pier 3 berth 4 & Pier 4 berth 6 can handle RO/RO vessels that are configured with port side stern gates.

3. Lighter Aboard Ship (LASH) barges can unloaded simultaneously at all 6 berths.

4. MILCONS for FY's 95, 97 and 98 will upgrade pier 3 to a full scale container facility.

2.2 What is the daily (single shift) throughput capacity of the facility in tons for each of the three major types of naval ordnance, i.e. LOE, Threat, Strategic? If your function measures throughput using another unit of measure, provide data in terms of tons in first and your unit of measure in a separate table (specify unit of measure).

Table 2.2: Maximum Daily Throughput

Ordnance Categories	FY 90	FY 91	FY 92	FY 93	FY 94	FY 95	FY 96	FY 97
LOE	4217	4217	4217	4217	4217	4217	4217	4217
Threat	85	85	85	85	85	85	85	85
Strategic	--	--	--	--	--	--	--	--
Other	198	198	198	198	198	198	198	198
Total	4500	4500	4500	4500	4500	4500	4500	4500

Table 2.2 Maximum Daily Throughput

- a. Maximum daily throughput is based on the maximum rated capacity, using a total of 72 stevedoring teams working a 1-10 shift can load approximately 4,500 short tons. The mix of ordnance was derived from FY 91 and 92 data.
- b. Maximum daily throughput is not expected to diminish between FY 90 through 97. However, in FY 99, Pier 3 will have container capability and maximum throughput capability will increase.

2.3 Identify any specialized, unique or peculiar characteristics about your facilities, equipment, or skills at your activity to attain the above throughput? Specify those that are one of a kind within the DON/DoD.

Primary unique characteristics are:

- a. Total Net Explosive Weight (NEW) permitted at the three main piers (six berths) and the barge pier is:

<u>Pier</u>	<u>NEW (lbs)</u>
2	6.1M
3	11.2M
4	6.0M
Barge Pier	750K

b. Total NEW at anchorages is:

Anchorage	NEW (lbs)
12	6.0M
13	100K
14	6.0M
26*	5.1M

* Request to establish as an explosive anchorage requires a letter to the COTP, San Francisco within 45 days of requested activation.

c. A 120 Ton Floating Crane is available for onload of non-self sustaining container vessels at pier side or for onload of ships at explosive anchorages.

d. A total of 31 Navy Barges are available to temporarily store ammunition awaiting ship onloads or for transporting ordnance down bay in support of anchorage operations.

e. There are 465 station railcars available that can be used to temporarily store ordnance for ships awaiting onload. They are also used to download material from commercial conveyances, thereby providing turn-around of conveyances for reuse. WPNSTA Concord is also supported by over 103 miles of on station rail track used for the movement of station and commercial railcars to support onload and storage requirements. Concord tidal area is supported with 38 barricaded sidings, 36 of which can store up to 225 explosive loaded cars and an additional 41 barricaded sidings are located in the inland area which can store 164 explosive loaded railcars.

f. Critical skills are available such as Marine Cargo Specialist and Cargo Schedulers. These skills are extremely knowledgeable with 49 Code of Federal Regulations regarding manifesting of cargo, explosive compatibility, weight distribution on material within the ship, stow plans and etc.

2.4 At the maximum throughput levels documented above, and considering explosive quantity-distance constraints, how many ships by type (AEs/AOEs, Containerships, MSNAP breakbulk ships, etc.) can be berthed at your outload facility at one time (optimal configuration)?

Table 2.4: Maximum Outload by Ship Type

Type Ship	Maximum * Number
Navy Breakbulk	1
Other Breakbulk	3
Container/ LASH	2

* With 6 berths, these can be berthed simultaneously.

2.5 If surface combatants and/or submarines outload at your facility, how many of each type can be loaded at one time (optimal configuration)?

Optimal Configuration = 6

a. A total of 6 combatants such as FFG's LST's and USCG cutters can be pierside and onloaded simultaneously. Larger ships such CG/DD, CVN's would be required to onloaded at explosive anchorages 12,13 or 14 with barges being loaded at the barge pier or at vacant berths.

2.6 If the maximum throughput levels documented above were based on a combination of combatants and other vessels, identify the mix that provides for the maximum outload capability.

Maximum Outload Capability Vessel Mix = *3,850/4,500 avg.**

a. The below listed maximum daily throughput (2-10 shift) includes (1) combatant ship. The low volume of material usually required and the number of stations that can be worked simultaneously on a combatant represent a loss of 1,300 short tons per day vice working a larger breakbulk or container vessel.

***(1) TYPE/CLASS SHIP (w/Combatant) MAX. THROUGHPUT CAP. (S/T)**

(1)* Combatant (FFG/LST)	100
(1) Navy Breakbulk	375
(2) Other Breakbulk	1,375
(2) Container/LASH	2,000
Total	<u>3,850</u>

(S/T)	(2)** TYPE/CLASS SHIP (w/o Combatant)	MAX. THROUGHPUT CAP.	
	(1) Navy Breakbulk	375	(R)
	(3) Other Breakbulk	2,250	(R)
	(2) Container/LASH	1,875	(R)
	Total	<u>4,500</u>	(R)

- b. Loading of Navy/LASH barges are not included in the above listed maximum daily throughput. If loading barges were included in support of anchorage operation this would represent an increase of 600 short tons per 1-10 shift.

2.7 Identify the number of vessels by type, out/downloaded by your activity in the period request (i.e. each trip to the pier = "1").

Table 2.7: Outload History

Vessel Type	FY 1991	FY 1992	FY 1993
Amphibious	1	2	0
Combatant (FFG/LST)	22	13	19
CV/CVN	0	0	0
Submarines	0	0	0
CLF	19	37	31
Other Break Bulk	31	27	12
Container Ship	8	17	10
Other	0	0	0
Total:	81	96	72

2.8 What is the maximum daily (single shift) throughput capability at your facility, measured in *tons* as a function of ship type? Provide comments if the maximum throughput by ship type would be reduced if multiple ships are being accommodated simultaneously. Utilize the optimal configuration provided previously to indicate any impact of simultaneous operations.

Table 2.8: Outload History

Vessel Type	FY 1993	FY 1997	Comments
Amphibious	--	--	Note: (1)
Combatant	--	--	Note: (1)
CV/CVN	--	--	Note: (1)
Submarines	N/A	N/A	
CLF	375	375	Note: (1)
Other Break Bulk	2250	2250	
Container Ship	1875	1875	
Other: Navy/LASH Barges	(Non-Add) 600	(Non-Add) 600	Note: (1)
Total:	4500	4500	

***a. Maximum daily throughput (single shift) is based on the maximum rated capacity, using a total of 36 stevedoring teams working all 6 berths at a 1-10 shift will load 4500 short tons. A total of 5100 short tons could be achieved by loading barges at the Barge Pier for down bay operations, if required.**

b. The 4500 short tons is calculated on working larger ships such as Navy breakbulk, other breakbulk and container vessels. The presence of combatants (FFG) and amphibious (LST) vessels at pier side would reduce maximum throughput capability because of the small amount of cargo required and the limited number of stations that can be worked simultaneously.

For this reason, they are not be considered as part of the optimal configuration; however, operational or emergency situations would dictate berthing availability. The following type ships are considered the optimal configuration for achieving maximum daily (single shift) throughput capability.

<u>TYPE SHIP</u>	<u>QTY</u>
Navy Breakbulk (AE)	1
Other Breakbulk	3
Container	2
Other (Navy/LASH Barges)	3-4

c. Again, the type ships on berth at any one time dictate the maximum daily (single shift) throughput capability. The maximum capability remains at 4500 short tons.

NOTE: (1) Barges would be used to transport ordnance to ships that could not transit to WPNSTA Concord because of non-availability of berths or because of channel depth or bridge height restrictions. This would include all ships from the small FFG's to the larger CV/CN's.

Mission Area

3. Ammunition and Ordnance Maintenance and Testing/Repair and Rework

3.1 In the tables below identify the intermediate level maintenance and testing performed/programmed at your activity in number of units and Direct Labor Man Years(DLMY).

Table 3.1.a: Maintenance and Testing Performance (Units) [Note 1]

Ammunition/Ordnance Type WQEC	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
Mines	0	0	0	0	0	0	0	0
Torpedoes	0	0	212	56	302	300	300	300
Air Launched Threat	396	81	25	0	20	20	19	18
Surface Launched Threat	183	188	65	105	100	97	93	90
LOE *	271.8K	345.6K	1382.8K	2477.7K	578K	533.6K	502.6K	480.6K
CADs/PADs	33	0	0	0	300	300	300	300
Grenades/Mortars/Projectiles	1257	1788	250	756	1700	1692	1686	1680
INERT	0	0	0	0	5823	0	0	0
Other	0	0	0	0	0	0	0	0
Total	274K	348K	1383K	2479K	586K	536K	505K	483K

* LOE INCLUDES: Rockets, Bombs, Gun Ammo (20mm-16"), Small; Arms (up to 50 cal), and Pyro/Demo

NOTE 1: It is assumed that this table refers to maintenance as performed by an I-level maintenance facility. The WQEC performs tests, evaluations, inspections, failure analyses and special investigations on the types of ordnance listed in section 3.1. However, we do not perform maintenance actions.

Table 3.1.a: Maintenance and Testing Performance (Units)

(000)

Ammunition/Ordnance Type CONVENTIONAL AMMO	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
Mines	0	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0	0
Air Launched Threat	1.68	1.99	.25	0	.04	.04	.04	.0
Surface Launched Threat	.89	.59	.20	0	0	0	0	0
LOE	136.67	293.72	60.60	383.79	369.02	369.02	369.02	369.0
Other	0	0	0	0	0	0	0	0
WT TEST SHIP GEAR	.24	1.44	2.00	1.36	4.00	4.00	4.00	4.0
TOMAHAWK THREAT	.30	.33	.36	.97	.17	.17	.17	.1
AF PREPO ONSITE	0	0	1,870.0	9,340.00	3,500.00	3,500.00	3,500.00	3,500.0
ARMY PREPO ONSITE	0	0	22,500.00	1,110.00	1,500.00	1,200.00	1200.00	1,200.0
AF MAINT OFFSITE	0	0	24,700.00	42,050.00	0	0	0	0
Total	139.78	298.07	49,133.41	52,886.12	5,373.23	5,073.23	5,073.23	5,073.2

Table 3.1.b: Maintenance and Testing Performance (DLMYs)

Ammunition/Ordnance Type WQEC	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
Mines	0	0	0	0	0	0	0	0
Torpedoes	.45	.57	.57	.57	2.58	2.86	2.86	2.86
Air Launched Threat	2.29	1.14	.57	.57	2.29	1.72	1.14	.57
Surface Launched Threat	5.15	2.29	2.29	2.29	3.43	3.24	2.86	2.86
LOE *	23.35	22.27	21.58	22.90	25.93	19.98	20.72	20.15
INERT	0	0	0	0	.02	0	0	0
CADs/PADs	.006	0	0	0	.03	.03	.03	.03
Grenades/Mortars/Projectiles	.57	.57	.57	.57	.57	.57	.57	.57
Mixed Ordnance **	9.50	8.53	10.19	6.12	7.27	7.27	7.27	7.27
Other ***	12.59	14.88	15.46	14.88	14.02	15.46	12.59	8.59
TOTAL	53.91	50.25	51.23	47.90	56.14	51.13	48.04	42.90

* Includes Rockets, Bombs, Gun Ammo (20mm - 16"), Small Arms (up to 50 cal.) and Pyro/Demo

** DLMYs which cannot specifically be broken down into ordnance types.

*** This includes work efforts not related to unit throughput at our facility. The direct labor shown in the "Other" category includes support provided for calibration of equipments, preparations and issue of specialized technical standards and environmental engineering support to several government facilities.

Table 3.1.b: Maintenance and Testing Performance (DLMYs)

Ammunition/Ordnance Type CONVENTIONAL AMMO	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
Mines	0	0	0	0	0	0	0	0
Torpedoes	0	0	0	0	0	0	0	0
Air Launched Threat	36	36.3	.9	0	.1	.1	.1	.1
Surface Launched Threat	17.6	9.6	3.2	0	0	0	0	0
LOE	25.2	28.5	35.7	15.2	14.8	14.8	14.8	14.8
WT TEST GEAR	.6	1.	1.2	.7	1.1	1.1	1.1	1.1
TOMAHAWK THREAT	.6	3.2	3.7	.5	1.1	1.1	1.1	1.1
AF PREPO ONSITE	0	0	254.6	58.1	40.4	40.4	40.4	40.4
ARMY PREPO ONSITE	0	0	90.5	4.9	9.0	7.4	7.4	7.4
AF MAINT OFFSITE	0	0	322.5	80.8	0	0	0	0
Other	0	0	0	0	0	0	0	0
Total	80.0	78.6	712.3	160.2	66.5	64.9	64.6	64.6

3.2 Identify any specialized, unique or peculiar characteristics about your facilities, equipment, or skills at your activity to perform the above work? Highlight those that are one of a kind within the DON/DoD.

OVERALL PROGRAMS

The in-service testing that is accomplished at the Weapons Quality Engineering Center of WPNSTA Concord is highly specialized nondestructive and destructive or functional testing of a multitude of weapon/ordnance types using equipments/systems designed around specific technology areas. For example, nondestructive testing (NDT) is based upon the technological areas of x-ray, ultrasonic, eddy current, magnetic particle, etc. The NDT systems or equipments developed and utilized are based around the technology employed, not the item (particular weapon or ordnance material) to be inspected. Specifically, a NDT system developed to real time x-ray rocket motors can be employed to inspect any rocket or missile motor or propulsion unit. Therefore, it is inappropriate and extremely expensive to develop and assign individual systems to each different missile system when one or two NDT systems can provide coverage over the total spectrum.

We employ this same philosophy when developing and employing systems/equipments for the destructive or functional test/inspection of weapons and ordnance materials. For example, a "spin/fire" machine can be (and often is) utilized for a wide range of projectiles and projectile fuzes that require the application of spin to allow a safety interlock mechanism to be overcome and the item functioned. Current and expected future ordnance designs contain safety interlock mechanisms that will prevent the functioning of the explosive train until the weapon or ordnance item is actually fired and experiences the set back of gravitation forces and the centrifugal forces associated with spinning. We develop test and inspection equipments/systems to overcome these safety interlocks so that the items can be tested. As with the NDT systems noted above, these equipments can and are employed to inspect many different items. Therefore, it is again inappropriate to assign each individual equipment/system to a particular weapon/ordnance item.

GUN AMMO

Our test capability is completely mobile. We can move the people and equipment to the explosives. This process allows test, evaluation and reconditioning as necessary with the least amount of handling or transshipment of the stockpile. Additionally, we representatively sample the stockpile to evaluate the overall quality of the stockpile. Shipping costs are due to moving four or five 20' milvans (depending on the site) and the necessary test and evaluation equipments/systems to the inspection site.

NDT

Our NDT facilities, equipment and staffing allow for rapid implementation of highly efficient state-of-the-art NDT systems which have significantly reduced the cost of nondestructive inspections and tests. Our organization is unique in that it combines physicists and engineers with production inspection personnel at a common facility. This combination of personnel, supported with specialized equipment/systems at our multi-purpose facilities at Concord and installed in mobile 20' milvans, allows them to rapidly respond to immediate inspection needs with high production rate, state-of-the-art, and cost effective nondestructive inspection services.

3.3 What percent of your total maintenance and testing effort on ordnance is performed for: FMS, commercial manufacturers, other Military Departments, or other DoD agencies?

FMS effort = 0.1%
Commercial effort = 0%
Other Military Departments (Army) = 9%
Other Military Department (Air Force) = 40.4%
Other DoD Agencies (specify) = 0%

NOTE: BASED ON FY 94 EFFORT (DLR & ILM) ORDNANCE INCLUDES ASE.

3.4 Identify in the table below the DLMYs expended in the RSSI process that are related to the rework and repair of ordnance (these hours should not be duplicated in Table 3.1 above).

MAINTENANCE DURING SEGREGATION

(R 7/6/94)

Table 3.4: Rework and Repair Performance (DLMYs)

(R 7/6/94)

Ammunition/ Ordnance Type	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
Mines	0	0	0	0	0	0	0	
Torpedoes	0	0	0	0	0	0	0	
Air Launched Threat	0	0	0	0	0	0	0	
Surface Launched Threat	0	0	0	0	0	0	0	
LOE	0	411	255	72	288	288	288	28
Other	0	0	0	0	0	0	0	
Total	0	411	255	72	288	288	288	28

3.5 Specify in the table below the type of depot maintenance performed/programmed on ordnance in DLMYs for the years requested.

Table 3.5: Level of Depot Maintenance

Type of Depot Maintenance	FY 1993	FY 1997
SMS HANDLING GEAR	1.5	1.0
TOMAHAWK OHE	.5	1.1
AVIATION SUPPORT EQUIPMENT (ASE)	12.1	14.7

Mission Area**4. Packaging and Handling Equipment**

4.1 For each type of packaging or handling equipment designed/manufactured and/or maintained/repared identify the number of DLMYs associated with that function.

Table 4.1: **Packaging and Handling Workload**

Packaging/Handling Equipment Type	Design/Manufacturing				Maintenance/Repair			
	FY 1991	FY 1993	FY 1995	FY 1997	FY 1991	FY 1993	FY 1995	FY 1997
MK 30 SKIDS	0	0	0	0	.7	.5	.9	.
CLOSURE PROT COVERS	0	0	0	0	.2	.1	.2	.
A/L CNTRS	0	0	0	0	3.6	0	.4	.
SMS CNTRS PLUS FMS	0	0	0	0	2.7	.1	0	
MISC CNTRS	0	0	0	0	.6	.1	0	
MK 6 DLLY/SKIDS	0	0	0	0	2.4	1.5	1.0	1.
TEST/LOAD STAND	0	0	0	0	.1	0	0	
HNDG BANDS	0	0	0	0	.1	0	0	
DOLLY ADAPTER SET	0	0	0	0	.2	0	0	
WT SHIP GEAR	0	0	0	0	1.1	.4	1.1	1.
ASE CRANES	0	0	0	0	0	10.5	10.5	10.
ASE GROUND SUPPORT EQUIP	0	0	0	0	0	1.5	1.5	1.
ASE-SLINGS (VARIOUS)	0	0	0	0	0	2.6	2.6	2.
ASE-WDN CRATES F/SLINGS	0	0	0	0	0	0.1	0.1	.

4.2 Identify any specialized, unique or peculiar characteristics about the facilities, equipment, or skills at your activity to perform the above work? Highlight those that are one of a kind within the DON/DoD.

WPNSTA Concord has a 25' x 50' portable berm and waste water treatment system for on-site and remote steam cleaning operations.

WPNSTA Concord has one 16' x 16' x 8' and one 12' x 32' x 8' paint booths and associated equipment for the approved application of polyurethane and epoxy primers and exterior coatings.

WPNSTA Concord has one 12' x 24' x 8' and one 16' x 32' x 12' grit blast booths and associated equipment, ranging from baking soda to metallic sand, the removal of exterior/interior coatings/corrosion. This equipment is permitted and approved for use under local, state and federal regulations.

WPNSTA Concord has weight and load testing capabilities that exceed 150,000 lbs. and 40' length of pull for ordnance handling equipment and ships support equipment.

WPNSTA Concord has full conventional machine shop capabilities. Some CNC equipment is available and under CPP procurement.

WPNSTA Concord is a NAVSEA certified welding facility for container, ordnance handling equipment and ships support equipment depot repair.

4.3 What percent of the above work is performed for FMS, other Military Departments, commercial manufacturers, or other DOD agencies?

FMS effort =	.1%
Commercial effort =	0%
Other Military Departments (Army) =	0%
Other Military Department (Air Force) =	0%
Other DoD Agencies (specify) =	0%

NOTE: BASED ON FY94 EFFORT (ILM & DLR) INCLUDING ASE.

Mission Area

5. Tactical and Strategic Nuclear Weapon Support

5.1 How many workyears are employed for strategic weapon support at your facility? How many workyears are planned for strategic weapon support through FY 1997?

SUBMITTED AS A CLASSIFIED ANNEX

Table 5.1: Tactical and Strategic Nuclear Weapon Support

Weapon System	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997

5.2 Identify any specialized, unique or peculiar characteristics about the facilities, equipment, or skills at your activity to perform the support work for the strategic weapon systems? Highlight those that are one of a kind within the DON/DoD.

Addressed under separate correspondence

5.3 What alternatives exist for providing the support services e.g. another Navy activity, DoD agency, etc.? Explain.

Addressed under separate correspondence

6. Combat System Support

6.1 What combat systems or sub-systems are maintained at the weapon station/magazine/facility? What combat systems or sub-systems are planned to be maintained through FY 1997?

Table 6.1: Combat System Workload

(R 7/6/94)

Combat * System	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
N/A								
* WPNSTA Concord does not maintain any Combat Systems/Sub-systems								

6.2 Identify any specialized, unique or peculiar characteristics about the facilities, equipment, or skills at your activity to perform the maintenance work for combat systems or sub-systems? Highlight those that are one of a kind within the DON/DoD.

WPNSTA Station Concord does not maintain any Combat Systems/Sub-systems

6.3 What alternatives exist for providing the combat system support services (e.g. another Navy activity, DoD agency, etc.)?

WPNSTA Station Concord does not maintain any Combat Systems/Sub-systems

Mission Area

7. Publications Management and Distribution

7.1 Identify the work years expended/programmed to be expended in support of ordnance publications, instructions and documents promulgated and maintained by your activity, for the period requested.

Table 7.1: **Publications Workload**

Publication Types	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997
OPs	0	0	0	0	0	0	0	0
JMEMs	0	0	0	0	0	0	0	0
NWPs/MWIPs	0	0	0	0	0	0	0	0
MILSPECs	0	0	0	0	0	0	0	0
Standards	0	0	0	0	0	0	0	0
Instructions/Notes	0	0	0	0	0	0	0	0
Other*	24.2	22.8	21.4	22.4	21.2	19.75	16.75	16.75
Total	24.20	22.80	21.40	22.40	21.20	19.75	16.75	16.75

* Other includes documents associated with various programs:

- Marine Gas Turbine (MGT)
- Metrology Automated System for Uniform Recall and Reporting (MEASURE)
- Gun Weapon System Replacement Program (GWSRP) Material Condition Review (MCR)
- MIS Management Information System (MIS) Program and Coast Guard MCR MIS program
- Shipboard Non-Tactical ADP Program (SNAP) Organizational Maintenance Management System (OMMS)
- Material Maintenance Management (3-M)
- Maintenance Resource Management System (MRMS)
- Ship Configuration and Logistics Support Information System (SCLISIS)
- Integrated Logistics Overhaul (ILO)
- In-Service Engineering Agent (ISEA)

7.2 Identify any specialized, unique or peculiar characteristics about the facilities, equipment, or skills at your activity to maintain such publications? Highlight those that are one of a kind within the DON/DoD.

Concord is the only computer site that houses all the laboratories historical calibration workload data for both NAVSEA and NAVAIR

Concord test equipment inventory database contains all NAVSEA data that no other NAVSEA MEASURE computer center has.

Knowledge of Navy maintenance, configuration, and logistics support programs, i.e., Ships Maintenance and Modernization (3-M), Shipboard Non-tactical ADP Program (SNAP), Maintenance Resource Management System (MRMS), Ship Configuration and Logistics Support Information System (SCLISIS), and Integrated Logistics Overhaul (ILO) is required to successfully develop/maintain related publications.

7.3 What alternatives exist for providing the publication support services (e.g. another DON activity, Army or Air Force activity, DoD agency, NATO or other treaty agencies, etc.)?

Publications Management and Distribution is an integral part of the Technical Support programs at Concord; they are not separate programs. Elements associated with publications which are part of those Technical Support programs have been identified in the table above. The Publications portion cannot be performed without the entire Technical Support program. While there are other activities in the Navy which provide other information technology services, there is no duplication of the Technical Support programs performed by Concord.

Features and Facilities

8. Explosive Quantity Distance Factors

8.1 What restrictions or explosive quantity distance standard limitations apply to the handling of volatile or explosive products or for hot work on submarines, surface combatants, ammunition ships, or oilers on your station/magazine/facility at the piers/wharfs?

Under optimum conditions, a maximum of 24,125,000 lbs Net Explosive Weight can be handled at station piers, with 18,750,000 lbs maximum under normal conditions. This limits is set by the standards required in Chapter 7 of NAVSEA OP 5, "Ammunition and Explosives Ashore, Safety Regulations for Handling, Production, Renovation and Shipping". In addition, CNO Exemption E2D-77 has been granted to WPNSTA Concord which allows these explosive quantity limits along with nearby passenger railroad tracks, a sea channel, and other station explosive operating facilities. Hot work on ammunition ships is not normally performed at station piers, but if operational necessary requires, it is performed in accordance with NAVSEA S6470-AA-SAF-010, "Gas Free Engineering Program".

Total NEW permitted on the three main piers and the barge pier is 24.1 M. WPNSTA Concord NEW limits are the highest of any explosive outloading port on the West Coast. The limits are adequate to support all ships that normally frequent our piers. A waiver would be required if any of the following NEW limits on the piers were required to be exceeded.

Pier	NEW(lbs)
2	6.1M
3	11.2M
4	6.0M
Barge Pier	750K

Hot Work, except in an emergency, alterations or repair, particularly where welding or burning is involved shall not be undertaken while ship is moored at WPNSTA Concord unless written approval is provided by the Commanding Officer. All welding and burning will be done under the personal supervision of an officer or USCG personnel. The Safety and Fire Department will notified at least eight hours prior to commencement of work.

8.2 What restrictions apply when moving munitions in quantity from the storage magazines to the outload facility?

None, other than general safety requirements of NAVSEA OP-5 and OP 4461. Both rail and truck services are available for ammunition movement to station piers. Security preparations are required by station regulations before moving

trains across Port Chicago Highway, a public road. NAVSEA SWO20-AC-SAF-010/020/030, and OP 4461 apply to these on-station movements.

Concord owns and operates a rail and road connection between the storage magazines and the piers at the waterfront. This connection crosses a public road at our front gate which requires special attention whenever ordnance is moved. Both security and safety precautions are in place to assure safe and secure movement of ordnance across this intersection. It is the only "restriction" to moving ordnance. The standard procedures which are in place for such moves are not only effective, they have resulted in increased efficiencies. Prior to their implementation the station would move one rail car at a time. Now large trains are made up to reduce the number of crossings required and that has proved a more efficient use of trains, engines and rail crews. Since Concord has such large explosive arcs, large land areas surrounding the piers and storage magazines, owns the tracks, and the trains are always on Navy property except for that single crossing, there are no real operational restrictions to the movement of ordnance.

8.3 How many AEs, AORs, AOs, or AOE's can be berthed with nesting at your facility, simultaneously? Identify by each pier or wharf.

- a. A total of 12 AE's can be berthed/nested at WPNSTA Concord. The following numbers are provided:

<u>Berthed</u>	<u>Nested</u>		
Pier 2 Berth 1	1	1	
" 2 " 2	1	1	
" 3 " 3	1	1	
" 3 " 4	1	1	
" 4 " 5	1	1	
" 4 " 6	1	1	
Total	6	6	= 12

- b. AOR's, AO's, and AOE's do not transit WPNSTA Concord because of bridge height restrictions of 135 feet.

Note: Because of multi-pier availability (6 berths) at WPNSTA Concord, nesting of vessels would not normally be necessary.

8.4 How many surface combatants or nuclear submarines can be berthed with nesting at the weapon station, magazine, or facility, simultaneously? Identify by each pier or wharf.

- a. Surface combatants include smaller FFG's because of bridge height restrictions of 135'. Large combatants would be required to be onloaded at anchorage. A total of 12 FFG's could be berthed/nested.

<u>Berthed</u>		<u>Nested</u>	
Pier 2	Berth 1	1	1
" 2	" 2	1	1
" 3	" 3	1	1
" 3	" 4	1	1
" 4	" 5	1	1
" 4	" 6	1	1
Total		6	6 = 12

Features and Facilities

9. Availability and Condition

9.1 Identify, by three digit Category Code Number (CCN), *all facilities* at this activity, and their current condition and area in thousands of square feet (KSF). Duplicate the table as necessary to report all facilities of any tenants for whom your activity serves as host.

Table 9.1: Facility Conditions

CCN	Facility Type	Condition			Total
		Adequate	Substandard	Inadequate	
111	HLCPTR LDG PAD	9.90			9.90
112	TAXIWAY	9.38			9.38
113	ACFT PRKG APRN	35.00			35.00
123	FILLING STN			5.00	5.00 OL
123	FILLING STN BLD	0.23			0.23
124	VEH R/FUEL ST	33.60 KG	2.50 KG	6 KG	42.10 KG
131	COMM CTR	1.09			1.09
131	TELE EXCH BLDG	1.37			1.37
137	PORT CONTRL OFF			2.96	2.96
143	ORD OPER BLDG	4.86	24.77	3.63	33.26
143	ARMORY	0.20			0.20
143	MARINE BRKS	1.30			1.30
143	EXPL SH/TRN DEP		12.00		12.00
143	OPERTNL STRG	32.59	4.05		36.64
148	EXPL RLCR HLD YD	5 EA	71 EA		76.00 EA
148	RAIL/TRK RCV ST		4.16		4.16
152	AMMO WHARF		538.07		538.07
155	SMALL CRAFT BRTH	1764 FB	2181 FB		3,945.00 FB
159	WTRFR OPER BLDG	1.37	0.96	2.85	5.18
171	ACD/GEN INST BLD	6.89	2.96	2.65	12.50
171	APPL INSTR BLD	11.78	1.20		12.98
179	SM ARMS RNG/OUT			1 EA	1.00 EA
213	BOAT SHOP		6.25		6.25

CCN	Facility Type	Condition			Total
		Adequate	Substandard	Inadequate	
214	VEH HOLD SHED		12.19		12.19
216	AMMO REWRK O/H	6.75	115.36	0.66	122.77
216	AMMO/EXPLSV MAINT	6.65			6.65
217	ELEC COM MTN SHP	6.40			6.40
218	CNTNR REPR BLDG	5.50			5.50
218	RR EQ MNT SHOP	0.40			0.40
218	BATT RECHAR SHOP		16.12		16.12
219	PW SHOP	0.14	12.11		12.25
219	PW MAINT STRG	12.11	21.29	2.35	35.75
310	MATERIALS LAB	19.16	9.64		28.80
310	COMP/ANALYS LAB	17.69	1.22		18.91
312	GUIDE MISLE LAB	1.00			1.00
316	AMO, EXPLO/TOXICS	2.81	18.63		21.44
319	RDT&E STORG LAB	8.36	1.96		10.32
421	FUSE & DET MAG	6.99	20.96		27.95
421	HIGH EXPL MAG	29.66	178.54		208.20
421	INERT STOREH	132.74	2.39		135.13
421	READY MAG	0.49	3.59		4.08
421	S ARMS/PYRO MAG	137.32	68.25		205.57
421	SMOKELESS/PPMAG	224.95	185.70		410.65
421	MISSILE MAG	27.97	53.56		81.53
431	COLD ST WHSE/BK			0.21	0.21
441	GEN WHSE BULK	29.20	25.18	17.28	71.66
441	HAZ FLAM STHSE	0.44	2.85		3.29
441	GEN STRG SHED	1.01	14.51		15.52
441	INTEG LOG OH/OU	2.56	7.71		10.27
441	MTIS BLDG	10.20			10.20
451	OPEN STORAGE AR	255.02			255.02
540	DENTAL CLINIC	5.60			5.60

CCN	Facility Type	Condition			Total
		Adequate	Substandard	Inadequate	
550	MEDICAL CLINIC		7.90		7.90
610	ADMIN OFF	56.71	34.34	27.67	118.72
610	DATA PROC CTR	0.19	4.80		4.99
610	CO/BTRY HDQ	2.79			2.79
610	ADMIN STG REDY	3.06	2.68	1.92	7.66
711	FAM HSG/DWELLG	357.35			357.35
711	FAM HSG DET FAC	9.95			9.95
721	BEQ E1/E4	25.03	10.72		35.75
721	BEQ E5/E6	5.63			5.63
721	BEQ E7/E9	2.16			2.16
721	DINING FAC	6.48			6.48
723	TROOP HSG STRG	0.12	8.10		8.22
730	FIRE STN	6.33	5.60		11.93
730	ISS/RTL CLTH UN		4.26		4.26
730	POLICE STN	2.33			2.33
730	GATE/SENT HOUSE	1.70	0.03		1.73
730	COMMUNITY CTR	0.41			0.41
730	LUNCH/LOCKER RM	0.39	4.62	5.23	10.24
730	MISC WTHR SHLTR		0.26		0.26
730	PUBLIC TOILET	0.08	0.50		0.58
730	CHAPEL	3.70			3.70
740	EXCHANGE RETAIL		9.13		9.13
740	EXCH SNACK STND	0.19			0.19
740	EXCH SVC OUTLET		0.61		0.61
740	RD CRSS/NAVY RLF		0.06		0.06
740	CREDIT UNION	0.66			0.66
740	THRIFT SHOP			1.22	1.22
740	HOBBY SHOP-AR/C		1.48		1.48
740	SPEC SVC CTR	1.01	1.85		2.86

CCN	Facility Type	Condition			Total
		Adequate	Substandard	Inadequate	
740	AUTO HOBBY SHOP	3.90			3.90
740	GYMNASIUM	14.91	0.55		15.46
740	REC CENTER		8.34	1.41	9.75
740	YOUTH CENTER	3.75			3.75
740	CLASS VI STORE		2.28		2.28
740	RETAIL WAREHOUSE		2.95		2.95
740	BATHHOUSE		0.67		0.67
750	PLAYING COURT	4 EA			4.00 EA
750	PLAYING FIELD		2 EA		2.00 EA
750	OUTDOOR SWIM POOL	30 ME			30.00 ME
750	RECREATION GDS	2 EA			2.00 EA
811	ELEC PR SOURCE	1550 KW			1,550.00 KW
812	ELEC TMSN BLDG	0.54			0.54
812	ELEC TMSN/DISTR	336.86 KLF			336.86 KLF
813	ELEC PWR SUB/SW	3750 KVA			3,750.00 KVA
821	HEAT SOURCE	16 MB			16.00 MB
822	HEAT TMSN/DIST	14.28 KLF			14.28 KLF
824	HEAT/GAS/TMSN	33.68 KLF			33.68 KLF
831	SEWAGE TRT & DISP	1201 KG			1,201.00 KG
832	SEWAGE/COLLECTION	93.44 KLF			93.44 KLF
833	SOLID WSTE STND		1.66		1.66
841	WTR SUP/TMT/STG	1400 KG			1,400.00 KG
842	WTR DIST-POT	354.66 KLF			354.66 KLF
842	WTR DIST BLDG	1.90			1.90
845	WTR DIST SY NP	0.06 KLF			0.06 KLF
851	ROADS	7311.75			7,311.75
852	WALKS/PARKING	2854.34			2,854.34
860	RAILROADS	101 MI			101.00 MI
871	GROUNDS DRAINAGE	285.80 KLF			285.80 KLF

CCN	Facility Type	Condition			Total
		Adequate	Substandard	Inadequate	
872	FENCE/WALL/TWR	289.56 KLF			289.56 KLF
880	FIRE & OTHER ALRM	105 BX			105.00 BX
911	LAND-FEE SIMPLE	509732.59			509,732.59
913	LAND LIC/PERM	115.87			115.87
921	LAND EASEMENT	34316.57			34,316.57
Activity TOTAL:		SEE NOTES BELOW			

- NOTES:**
1. Unless otherwise noted units are KSF (thousand square feet)
 2. Column totals are not included, as units assigned are not compatible.
 3. Other units assigned are listed below:

OL = Outlets KG = Thousand U.S. Gallons

EA = Each FB = Feet of Berth

ME = Meter KW = Thousand Watts

KLF = Thousand linear feet KVA = Thousand volt amps

MB = Million British thermal units MI = Mile BX = Alarm Boxes

9.2 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 in Table 9.1, 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?

9.2.1

- a. **Fuel filling station/CCN 123/Fac No. (Facility Number) IA-17 and Fac No. A-30**
- b. **Siting in violation of explosive safety regulations, leaking underground fuel tanks, siting in violation of fire safety regulations and underground tanks are not in compliance with either state or federal underground storage tank laws which require compliance by 22 Dec 1998.**
- c. **There are two filling stations, one is inoperable due to leaking underground fuel tanks and the other is currently in use.**
- d. **One station could be upgraded to substandard for approximately \$400,000. The one sited in violation of explosive safety regulations could not be upgraded to substandard.**
- e. **No other practical use could be made of this facility. Buildings at existing stations could be used admin or other inert storage at a minimal cost.**
- f. **MILCON P-075 currently programmed for FY97 at a cost of \$900,000 will construct a new fuel filling facility at a superior, unencumbered location.**
- g. **No.**

9.2.2

- a. **Port control office/CCN 137/Portion of Fac No. 181.**
- b. **Sited in violation of explosive safety regulations, building in general deteriorated condition requiring major structural, roof, electrical and mechanical repairs with considerable asbestos abatement involved.**
- c. **Port terminal operations for ordnance transshipment located in Fac No. 181.**
- d. **Not possible to upgrade to substandard due to explosive safety regulations.**
- e. **Could possible be converted to some type of administrative or inert operational storage for minimum repairs estimated at \$400,000.**
- f. **MILCON P-101 currently planned for programming by Army for FY97 at a cost of \$3,220,000. Will construct a new facility at an unencumbered site for this and other related operations. The existing building will be demolished. Currently unprogrammed for Navy MILCON funding.**

9.2.3

- a. Ordnance operations bldg./CCN 143/Portion of Fac No. 181.**
- b. Same as 9.2.2 B.**
- c. Direct support of tidal area ordnance operations.**
- d. Same as 9.2.2 D.**
- e. Same as 9.2.2 E.**
- f. Same as 9.2.2 F.**
- g. Same as 9.2.2 G.**

9.2.4

- a. Waterfront operations bldg/CCN 159/Fac No. 188.**
- b. Same as 9.2.2 B.**
- c. U.S. Coast Guard Marine Safety Office.**
- d. Same as 9.2.2 D.**
- e. Same as 9.2.2 E.**
- f. Same as 9.2.2 F.**
- g. Same as 9.2.2 G.**

9.2.5

- a. Small arms range-outdoor/CCN 179/Fac No. IA-57.**
- b. Sited in violation of explosive safety regulations and does not meet current NAVFAC range safety standards.**
- c. Training and certification of security personnel in use of pistols and shotguns.**
- d. Facility could be upgraded to substandard by constructing approved range raffles at an estimated cost between \$150,000 and \$250,000.**
- e. Include as part of agricultural outlease or tule elk range: (1) May require environmental remediation to remove spent lead contamination and (2) estimated site restoration cost unknown.**
- f. MILCON P-295 will replace this facility with an indoor small arms range at an estimated cost of \$1,570,000. Project is currently unprogrammed.**
- g. Yes.**

9.2.6

- a. Ammunition rework and overhaul facility/CCN 216/Fac No. 263
- b. Does not meet design or construction standards for blast over pressure and fragment containment for gun ammunition pull apart operations per NAVSEA OP-5.
- c. Currently not in use.
- d. Facility cannot be upgraded to substandard without complete replacement at an estimated cost of \$2,000,000.
- e. Could use as inert storage for ordnance operations in adjacent ammo rework Fac No. IA-25 at a minimal cost.
- f. None.
- g. No.

9.2.7

- a. Public Works maintenance storage/CCN 219/Fac No. IA-41 and a portion of Fac No. IA-30
 - b. Both facilities are in a general condition and require extensive structural, architectural and electrical repairs. The portion of Fac No. IA-30 requires extensive electrical and mechanical repairs for approximately \$30,000. Fac No. IA-41 requires approximately \$170,000.
 - c. Neither facility is currently in use.
 - d. Facility IA-30 could be used for storage of ordnance for maintenance or similar operations after the facility is repaired.
 - e. Facility IA-41 is currently allocated for maintenance operations above repairs.
 - f. Facility IA-41 is currently allocated for maintenance operations above repairs.
 - g. No.
- Teardown*

9.2.8

- a. Cold storage facility/CCN 431/Portion of Fac No. IA-11
- b. Mechanical equipment not operable, insulation deteriorated.
- c. Not in use.
- d. Cannot be economically upgraded for this use.
- e. Could be converted to Admin storage to be compatible with Fac No. IA-11 present use.
- f. Design exists to convert this area to Admin storage as part of a major repair of Fac No. IA-11. Funding would be DBOF and project is not budgeted for execution.
- g. No.

9.2.9

- a. **General warehouse bulk/CCN 441/Fac No. E-104**
- b. **Generally deteriorated, requires major architectural, roof and electrical repairs.**
- c. **Not in use.**
- d. **Could be upgraded to substandard for approximately \$350,000.**
- e. **Siting within explosive safety arcs precludes this facility from being converted to any occupied function. Operational storage of inert materials possible.**
- f. **Design exists to repair this facility. Funding would be DBOF and project is not budgeted for execution.**
- g. **No.**

9.2.10

- a. **Admin office space/CCN 610/Fac No. E-98 and Fac No. 181**
- b. **Fac No. E-98 requires major structural, architectural, electrical and mechanical repairs. Fac No. 181 is discussed in 9.2.2 B.**
- c. **Fac No. E-98 is currently used as Admin space for station Safety Department and Data Processing Department personnel. Fac No. 181 is discussed in 9.2.2 C.**
- d. **Fac No. E-98 could be upgraded to substandard for approximately \$700,000. Fac No. 181 is discussed in 9.2.2 D.**
- e. **Fac No. E-98 could be converted to any number of other compatible uses. Cost would vary with specific requirement, but major repairs discussed above would have to be performed. Fac No. 181 is discussed in 9.2.2 E.**
- f. **Design is being prepared for repair of Fac No. E-98. Funding if DBOF at current estimated cost of \$1,100,000 and budgeted for execution in FY95. Fac No. 181 is discussed in 9.2.2 F.**
- g. **Fac No. E-98 - No/Fac No. 181 - See 9.2.2 G.**

9.2.11

- a. **Lunch/Locker Room/CCN 730/Fac No. 183**
- b. **Same as 9.2.2 B.**
- c. **Currently used as stevedore lunch room.**
- d. **See 9.2.2 D.**
- e. **See 9.2.2 E.**
- f. **See 9.2.2 F.**
- g. **See 9.2.2 G.**

9.2.12

- a. Thrift Shop/CCN 740/Portion of Fac No. IA-30.
- b. See 9.2.7 B.
- c. Currently used as Thrift Shop.
- d. See 9.2.7 D.
- e. See 9.2.7 E.
- f. See 9.2.7 F.
- g. See 9.2.7 G.

9.2.13

- a. Recreation Center/CCN 740/Portion of Fac No. IA-30.
- b. See 9.2.7 B.
- c. Currently used on a limited basis for employee luncheons, retirements, etc. and as meeting place for sea cadets.
- d. See 9.2.7 D.
- e. See 9.2.7 E.
- f. See 9.2.7 F.
- g. See 9.2.7 G. Costs

9.3 Identify if your activity has been prevented from performing any proposed or planned expansion, establishment of new arcs, or scheduled operations in the past five years due to unresolved restrictions.

Besides two Air Force preposition ships which had ordnance loads in excess of 13,000,000 pounds NEW, which exceeded our large limits, there are no restrictions to operations. Those ships had to be serviced in Thailand because no other port in CONUS could handle them either. Plans are to reduce the loads of the ships, not increase explosive arcs. Current plans for upgrading Concord's waterfront to improve container operations are proceeding with no known unresolved restrictions.

Features and Facilities

10. Reserve Support Capabilities

10.1 List all reserve units (USNR, USMCR, USAFR, ANG, USAR, ARNG) that regularly train at your installation.

Table 10.1: **Hosted Reserve Units**

Reserve Unit	Training Function/Facilities Used
NR NWS CON HQ 120 ALAMEDA	Forklift operation, forklift recertification, explosive ordnance safety/familiarization, blocking and bracing, winch operation and other weapons station operations. Weapons Station's piers, rail, waterfront, inland magazines, vehicles and administrative offices.
NR NWS CON 220 SAN JOSE	"
NR NWS CD EOT 320 RENO	"
NR NWS CD EOT 420 STOCKTON	"
NR NWS CON 522 BREMERTON	"
NR NWS CON 622 GREAT FALLS	"
NR NWS CON 722 POCATELLO	"
NR NWS CON 813 SOUTH BEND	"
NR NWS CON 920 ALAMEDA	"
NR NWS CON 1010 CORPUS CHRISTI	"
NR NWS CON 1109 LITTLE ROCK	"
NR NWS CON 1210 SAN ANTONIO	"
NR NWS CON 1311 OKLAHOMA CITY	"
NR NWS CON D1418 ST LOUIS	"
NR NWS EOT 1520 FRESNO	"
NR NWS EOT8 1620 PACIFIC GROVE	"
NR NWS EOT9 1720 SACRAMENTO	"
NR NWS CD EOT 1822 ANCHORAGE	"
NR NWS CON 1910 AUSTIN	"

Reserve Unit	Training Function/Facilities Used
NR NWS CON 2020 SACRAMENTO	"
NR NWS CON 2120 SAN JOSE	"
NR NWS CON 2220 RENO	"
NR NWS CON 2320 SALT LAKE CITY	"
NR NWS CON 2420 OGDEN	"
NR NWS CON 2513 EVANSVILLE	"
NR NWS CON 2622 CENTRAL POINT OR	"
NR NWS CON 2722 SALEM	"
NR NWS CON 2922 PORTLAND	"
NR NWS CON 3022 EUGENE	"
NR CARGO HANDLING BATTALION THREE ALAMEDA	"
USMCR 2ND & 3RD LONGSHOREMEN PLATOON, REINFORCED	WPNSTA Concord rail head/pier area, landing zone

10.2 For each USNR and USMCR unit that trains at your facility, provide the number of authorized billets and number of personnel actually assigned to the unit for the past three full fiscal years. Include both Selected Reserves (SELRES) and Training and Administration of Reserves (TAR) Navy/Full Time Support (FTS) Marine Corps reservists. Explain any reported differences between authorized and actual manning. Reproduce this table as necessary for each unit.

Actual versus authorized allowance reflects the ongoing variance in numbers of personnel assigned to the individual reserve units. Each unit is assigned a certain number and type of billets for mobilization. At any given time, these billets may be temporarily over or under manned due to the available work pool in the unit's geographic area.

Table 10.2: Reserve Personnel

Unit: 87222 HQ 120	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										

Activity: N60036

Enlisted	13	1	13	1	13	1	13	1	13	1	14	1
Officer	7	1	7	1	7	1	7	1	7	1	7	1

(R 7/6/94)

THE FOLLOWING UNITS HAVE NO (0) TAR/FTS BILLETS OR PERSONNEL:

Unit: 220	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	27		27		27		27		27		28	
Officer	2		2		2		2		2		2	

Unit: 320	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SE LR ES	TA RF TS	SE LR ES	TAR FTS								
Enlisted	20		27		20		27		20		27	
Officer	1		4		1		4		1		4	

Unit: 420	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SE LR ES	TA RF TS	SE LR ES	TAR FTS								
Enlisted	28		31		28		31		28		31	
Officer	1		2		1		2		1		2	

Unit:	FY 1991				FY 1992				FY 1993			

522												
	Auth		Actual		Auth		Actual		Auth		Actual	
	SE LR ES	TA RF TS	SE LR ES	TAR FTS								
Enlisted	13		15		13		15		13		15	
Officer	1		1		1		1		1		1	

Unit: <u>622</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	33		42		33		42		33		42	
Officer	2		2		2		2		2		2	

Unit: <u>722</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	20		23		20		23		20		23	
Officer	2		2		2		2		2		2	

Unit: <u>813</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	30		72		30		72		30		72	
Officer	3		5		3		5		3		5	

Unit: <u>913</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL	TAR	SEL	TAR	SEL	TAR	SEL	TAR	SEL	TAR	SEL	TAR

Activity: N60036

	RES	FTS	RES	TS								
Enlisted	57		57		57		57		57		57	
Officer	1		1		1		1		1		1	

Unit: <u>1010</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TARF TS								
Enlisted	30		54		30		54		30		54	
Officer	1		3		1		3		1		3	

Unit: <u>1109</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TARF TS								
Enlisted	29		30		29		30		29		30	
Officer	2		2		2		2		2		2	

Unit: <u>1210</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TARF TS								
Enlisted	32		50		32		50		32		50	
Officer	2		3		2		3		2		3	

Unit: <u>1311</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL	TAR	SEL	TAR	SEL	TAR	SEL	TAR	SEL	TAR	SEL	TARF

Activity: N60036

	RES	FTS	RES	TS								
Enlisted	32		38		32		38		32		38	
Officer	1		1		1		1		1		1	

Unit: 1418	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TARF TS								
Enlisted	27		30		27		30		27		30	
Officer	1		1		1		1		1		1	

Unit: 1520	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TARF TS								
Enlisted	31		55		31		55		31		55	
Officer	3		3		3		3		3		3	

Unit: 1620	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TARF TS								
Enlisted	21		21		21		21		21		21	
Officer	2		2		2		2		2		2	

Unit: 1720	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL	TAR	SEL	TAR	SEL	TAR	SEL	TAR	SEL	TAR	SEL	TARF

Activity: N60036

	RES	FTS	RES	TS								
Enlisted	18		19		18		19		18		19	
Officer	2		2		2		2		2		2	

Unit: <u>1822</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	26		30		26		30		26		30	
Officer	2		2		2		2		2		2	

Unit: <u>1910</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	25		49		25		49		25		49	
Officer	1		2		1		2		1		2	

Unit: <u>2020</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	23		24		23		24		23		24	
Officer	1		2		1		2		1		2	

Unit: <u>2120</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL	TAR	SEL	TAR	SEL	TAR	SEL	TAR	SEL	TAR	SEL	TAR

Activity: N60036

	RES	FTS	RES	TS								
Enlisted	28		32		28		32		28		32	
Officer	2		2		2		2		2		2	

Unit: <u>2220</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TARF TS								
Enlisted	18		25		18		25		18		25	
Officer	1		5		1		5		1		5	

Unit: <u>2320</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TARF TS								
Enlisted	20		23		20		23		20		23	
Officer	0		1		0		1		0		1	

Unit: <u>2420</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS	SEL RES	TARF TS								
Enlisted	26		30		26		30		26		30	
Officer	1		2		1		2		1		2	

Unit: <u>2513</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL	TAR	SEL	TAR	SEL	TAR	SEL	TAR	SEL	TAR	SEL	TARF

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	RES	FTS	RES	TS								
Enlisted	37		62		37		62		37		62	
Officer	2		2		2		2		2		2	

Unit: <u>2622</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	18		30		18		30		18		30	
Officer	2		2		2		2		2		2	

Unit: <u>2722</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	22		22		22		22		22		22	
Officer	2		2		2		2		2		2	

Unit: <u>2922</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	16		16		16		16		16		16	
Officer	1		1		1		1		1		1	

Unit: <u>3022</u>	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SELR	TAR	SELR	TAR	SELR	TAR	SELR	TAR	SELR	TAR	SELR	TAR

Activity: N60036

	ES	FTS	ES	S								
Enlisted	29		37		29		37		29		37	
Officer	2		3		2		3		2		3	

Unit: Various CHB Dets	FY 1991				FY 1992				FY 1995 Quarterly Drills/Annual Training				
	Auth		Actual		Auth		Actual		Auth		Actual		
	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	SEL RES	TAR FTS	
Enlisted												48	
Officer												2	

Unit: M77000 USMCR Longshoremen Platoon, Concord	FY 1991				FY 1992				FY 1993			
	Auth		Actual		Auth		Actual		Auth		Actual	
	SEL RES	TAR FTS										
Enlisted	145	--	114	--	145	-	112	-	152	--	115	--
Officer	3	--	2	--	3	--	3	--	3	--	2	--

10.3 What is the outlook for your reserve training requirement for FY 1997?

(a) **WPNSTA CONCORD SELRES UNITS.** Anticipate continued Annual Training (AT-two week) and Inactive Duty for Training (IDT-weekend Drills) throughout the Fiscal year for assigned SELRES in all facilities as described in sections 10.1 and 10.4 for all assigned Naval Reserve NWS Units (29 each), total of 951 SELRES Personnel.

(b) **NRCHB.** Anticipate beginning of Annual Training and weekend IDT Drills by Naval Reserve Cargo Handling Battalions of approximately 12 personnel per month to conduct mobilization training identical to assigned NR Naval Weapons Station Units listed in (a) above. To start in FY-95.

(c) **USMCR Longshoremen.** Anticipate annual Rail Head Operations exercise for the Marine Corps reserve Unit from U.S. Marine Corps Reserve Center, Concord CA. Also anticipate twice annual use of WPNSTA Concord as Landing Zone for same

10.4 Does your activity possess any specialized, unique or peculiar characteristics to facilitate the reserve training?

Yes, WPNSTA Concord has unique Rail Head, Waterfront, Pier, Rail/Motor Vehicle and Explosive Magazine storage Facilities. The Weapons Station operates a Reserve Coordinator Office to arrange facilities use and manage on the job training of assigned and visiting reservists. Concord has unique training facilities for AE type winch operations and a mockup bulk load hold for forklift and blocking and bracing. These facilities are used by both Concord's civilian workforce and reserve personnel from Concord and other reserve commands.

Costs

11. Investments

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

Table 11.1: **Capital Improvement Expenditure**

Project	Description	Fund Year	Value (\$K)
C18-80	Install Air Conditioning in Navy Barracks	88	90
C26-81	Constr Haz Waste Storage Facility	88	173
C4-84	Constr Youth Center	88	195
C3-85	Install Additional Shore Power Outlet, Pier 4	88	103
EC5-86	Modify Special Weapons Maint. Facility	88	104
C10-84	Modify Gym and Construct Racquetball Courts	88	190
C28-80	Construct Addition to Chapel	88	100
P-276	Construct Two Missile Magazines	88	3130
P-267	Construct Two Missile Test Cells	88	2400
C17-84	Upgrade Ordnance Grounding at Piers	89	41
CE4-84	Construct Inert Storage Bldg. in Q-Area	89	159
	Construct 244 Units EM Housing	89	20,000
C5-88	Upgrade Security of Two Magazines	89	70
P-194	Water System Improvements	90	3230
HC1-30	Construct Housing Office	90	298
P-150	Public Road Closure	90	6500
P-271	Guided Missile Facility Mods	91	1254
Minor	NONE	91	0
P-283	Boiler Plant Modification	92	550
-	Modify Bldg. IA-2	92	177
-	Install Water Booster Pumps	92	29
-	Construct Diesel Generator Pad	92	51

Project	Description	Fund Year	Value (\$K)
C8-88	Garage Addition to RFF	92	172
C15-84	Install Fire Escape IA-15	92	38
	LAN Phase 4 (design)	93	56
	Fire Alarm @ Bldg 35 & IA-58	93	41
	Install Lightning Protection @ Bldg. 350	94	158
	Install LAN Phase 4	94	270

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

Table 11.2: **Planned Capital improvements**

Project	Description	Fund Year	Value (\$K)
	E-98 Alterations	95	128
	Fire Safety Mods Tank Farm 407	95	60
	Seismic Upgrade at IA-7 A&E	96	35
	Upgrade Backup Generator 395	96	50
	Aca ESQD Restrictive Easement	96	200
	Seismic Upgrade IA-7	97	106
	Wet-Pipe Sprinkler System	97	55
	Upgrade Bridges for Fire Division	97	50
	Convert Fire Sprinkler System 81	97	40
P-075	Fuel Filling Station	97	830

11.3 List the project number, description, funding year, and value of the *BRAC related capital improvements planned* for FY 1995 through FY 1999.

Table 11.3: **Planned BRAC Capital improvements**

Project	Description	Fund Year	Value
P-323T	Support Equipment Overhaul Facility	95	2760

11.4 Identify by Investment Category Code and Name (e.g. 05-Training Facilities; 14-Administration) the actual investment at your activity, to include all MILCON, maintenance and repair, installed equipment, and minor construction, in thousands of dollars (\$ K) over the period FY 1990 through FY 1994 for all your facilities. Report separately all other Class 2 equipment investments. The following table should include your responses to questions 11.1-11.3 above.

Table 11.4: **Historic Investment Summary**

<u>FY - 90</u> Investment Category	\$ K
01	1
02	0
03	4341
04	6
05	382
07	0
08	431
09	8
10	0
11	0
12	85
14	56
16	11
17	680
18	7160
Other (Specify) NOTE: Not available by IC Code - Service Calls, Maint Shop 01H, MCD	2390
Equipment (other than Class 2)	4421
Activity TOTAL	19,972

Table 11.4: **Historic Investment Summary**

FY - 91 Investment Category	\$ K
01	0
02	1
03	912
04	11
05	67
07	0
08	691
09	1477
10	34
11	0
12	79
14	284
16	123
17	369
18	1172
Other (Specify) Service Calls, Maint Shop 01H, MCD	2812
Equipment (other than Class 2)	3213
Activity TOTAL	11245

Table 11.4: **Historic Investment Summary**

FY - 92 Investment Category	\$ K
01	14
02	0
03	374
04	214
05	6
07	5

FY - 92 Investment Category	\$ K
08	1255
09	154
10	227
11	35
12	96
14	408
16	188
17	2222
18	827
Other (Specify) Service Calls, Maint Shop 01H, MCD	3345
Equipment (other than Class 2)	4181
Activity TOTAL	13551

Table 11.4: **Historic Investment Summary**

FY - 93 Investment Category	\$ K
01	0
02	0
03	426
04	1241
05	2
07	0
08	1572
09	1554
10	171
11	411
12	368
14	815
16	138

FY - 93 Investment Category	\$ K
17	644
18	2607
Other (Specify) Service Calls, Maint Shop 01H, MCD	1773
Equipment (other than Class 2)	1990
Activity TOTAL	13712

Table 11.4: **Historic Investment Summary**

FY - 94 Investment Category	\$ K
01	0
02	0
03	882
04	638
05	0
07	0
08	1118
09	20
10	20
11	0
12	0
14	92
16	0
17	1529
18	2339
Other (Specify) Service Calls, Maint Shop 01H, MCD * Accounting System not designed to identify IC codes	2542
Equipment (other than Class 2)	1495
Activity TOTAL	10675

11.5 What is the total planned investment, in thousands of dollars (\$ K), over the period FY 1995 through FY 2001?

Total planned Investments = \$ 85,150 K

11.6 Provide a list of all other documented major facility deficiencies not addressed in 11.1-11.3 (e.g. major repairs) and the estimated cost to rectify each at this activity. Identify the reduction in operating costs anticipated in relation to each deficiency correction.

Table 11.6: Facility Deficiencies

FY - 88 Deficiency	Cost to Correct (\$ K)	Result of Corrections
Repair Tidal Area Perimeter Fence (Design)	20	N/A
Repair Waterfront Sewage System (Design)	36	N/A
Repair Air Conditioning @168, Computer Center (Design)	56	N/A
Replace leaky PCB Transformer @174 (Design)	14	N/A
Repair Tidal Area Open Storage Lots (Design)	20	N/A

Table 11.6: Facility Deficiencies

FY - 89 Deficiency	Cost to Correct (\$ K)	Result of Corrections
Replace R-3 Heating System	123	\$10K/Yr
Repair Tidal Area Perimeter Fence	334	\$2K/Yr
Repair Waterfront Sewage System	423	\$30K/Yr
Repair Air Conditioning @168, Computer Center	310	\$25K/Yr
Repair IA-25, Conventional Ordnance Maint. (Design)	49	N/A
Repair E-100, Weight Handling Training Facility (Design)	23	N/A
Replace leaky PCB Transformer @174	95	\$8K/Yr
Repair Tidal Area Open Storage Lots	442	\$8K/Yr
Repair Roads Inland and Tidal Areas	1394	\$70K/Yr

Table 11.6: Facility Deficiencies

FY - 90 Deficiency	Cost to Correct (\$ K)	Result of Corrections
Repair Waterfront Sewage System (Completion of FY 89 project start)	114	N/A
Repair E-100, Weight Handling Facility	378	\$10K/Yr
Repair Pier 2	3984	\$80K/Yr
Repair Fire Alarm System On Station (Design)	41	N/A
Repair Open Storage Lots Misc. Locations (Design)	61	N/A
Repair White Road Waterline (Design)	43	N/A

Table 11.6: Facility Deficiencies

MAJOR MAINTENANCE M2 FY - 91 Deficiency	Cost to Correct (\$ K)	Result of Corrections
Repairs to IA-10, an Admin Facility (Design)	30	N/A
Repairs to IA-18C, an Admin Facility (Design)	7	N/A
Repair E-100 Weight Handling Facility (Finish repairs started prior FY)	63	N/A
Pier 2 Repairs (Finish repairs started prior FY)	593	N/A
Pier 3 Deck Repairs (Design)	171	N/A
Repairs to E-98, an Admin facility (Study)	75	N/A
Repairs to 7SH5 (Design)	7	N/A
Repair Perimeter Fence W.P. to Olivera (Design)	35	N/A
Repair Fence Taylor Blvd (Design)	33	N/A
Repair Storage & Parking (Design)	22	N/A
R1 & R4 Heating Sup	297	\$10K/Yr

Table 11.6: Facility Deficiencies

MAJOR MAINTENANCE M2 FY - 92 Deficiency	Cost to Correct (\$ K)	Result of Corrections
Repair R1 & R4 Heating System (Finish Construction)	96	N/A
Repair Water System at R Bldgs	214	\$3K/Yr

MAJOR MAINTENANCE M2 FY - 92 Deficiency	Cost to Correct (\$ K)	Result of Corrections
Repairs to IA-18C	168	N/A
Repairs to IA-25 (Finish Design)	763	N/A
Repairs to IA-10	45	N/A
Repairs to IA-11, an Admin facility	11	N/A
Repairs to Waterline White Rd	1215	\$20K/Yr
Repair Fire Alarm System (Finish Design)	42	N/A

Table 11.6: Facility Deficiencies

MAJOR MAINTENANCE M2 FY - 93 Deficiency	Cost to Correct (\$ K)	Result of Corrections
Repairs to E-106	274	N/A
Re-roof 9 Magazines	405	N/A
Repair Taylor Blvd Fence	195	N/A
Repair Tidal Water Conn	387	\$40K/Yr
Repair 35 UGTs (Design)	228	N/A
Repair Bldgs. 267, 268, 111	50	N/A
Repair IA-18C	274	N/A
Repair Open Storage Lots	1650	\$50K/Yr
Maint Dredging (Design)	94	N/A
Repairs to IA-10 (Finish Construction)	462	N/A
QE Main Site Repairs (Design)	225	N/A
Heating Bldg. 181	125	N/A
Boiler IA-10	58	\$5K/Yr
Re-roof IA-21/22	267	N/A
Repair Bldg. 183	152	N/A
UST E-111 & A3A	112	N/A
Repairs to IA-15, IA-16, IA-12	950	N/A
UST 178	231	N/A

MAJOR MAINTENANCE M2 FY - 93 Deficiency	Cost to Correct (\$ K)	Result of Corrections
Repair E-98 (Design)	96	N/A
Remediate IA-6	124	N/A
Repair Bridges (Design)	178	N/A
Storm Water Discharge (Design)	58	N/A
Repair Tidal RR Track (Design)	219	N/A
Repairs to IA-25 (Finish Construction)	197	N/A
SPCC	25	N/A
Repair E-61	367	N/A
Repair Central Fire Alarm	436	N/A
Structured Repairs to R-Bldgs	641	N/A
Repair IA-24 & IA-55	562	N/A
Repair Willow Pass Rd Fence	330	N/A

Table 11.6: Facility Deficiencies

MAJOR MAINTENANCE MS FY - 94 Deficiency	Cost to Correct (\$ K)	Result of Corrections
Repair RR Track Tidal	1716	N/A
Repair to A-20	638	N/A
Repair Ground System Ordnance Bldgs	932	N/A
Repair Bridges	206	N/A
Repairs to A-21/A-22/A-23/87/88	500	N/A

Table 11.6: Facility Deficiencies

MAJOR MAINTENANCE M2 FY - 95 Deficiency	Cost to Correct (\$ K)	Result of Corrections
Pier 2 Repairs	329	N/A
Replace Underground Tanks	1650	\$85K/Yr
QE Repairs IA-21 & IA-22	1384	\$10K/Yr

MAJOR MAINTENANCE M2 FY - 95 Deficiency	Cost to Correct (\$ K)	Result of Corrections
Repairs to E-98	1317	\$5K/Yr

Table 11.6: Facility Deficiencies

MAJOR MAINTENANCE M2 FY - 96 Deficiency	Cost to Correct (\$ K)	Result of Corrections
Repair RR Track Tidal	1802	N/A
Repair Bridges	1695	N/A
Maint dredging	1448	N/A
Repair Concrete Wingwalls GA Mags	50	N/A

Table 11.6: Facility Deficiencies

MAJOR MAINTENANCE M2 FY - 97 Deficiency	Cost to Correct (\$ K)	Result of Corrections
Repair RR Track Tidal	3286	N/A
Repair Bridges	1613	N/A
Repair HVAC 262 A&E	42	N/A
Repair 181	350	N/A

Strategic Concerns

12. Stand Alone and Location Factors

12.1 Identify the support (police, fire protection, etc.) now that is now provided by a nearby base, station or activity and will be needed by your facility if that activity is closed.

Table 12.1: Support Facilities

(R 7/6/94)

Support	Currently Obtained from:	Needed if Host Closes?
Police	Own resources	N/A
Security	Own resources	N/A
Fire	Own resources	N/A
Cafeteria	Provided by tenant	N/A
Parking	Own resources	N/A
Utilities	Steam own resources other contracted**	N/A (R 7/6/94)
Child Care	Own resources	N/A

** Electricity provided by the Pacific Gas & Electric Company, potable water provided by the Contra Costa County water District, sewage provided by the Contra Costa Central and Delta Diablo Sanitary districts.

12.2 What is the distance in nautical miles and the average transit time from your activity to the open sea?

Distance 47 NM
Transit Time 4 - 5 hours

12.3 List and indicate the distance in road-miles to Interstate Highways, airports of embarkation, seaports of embarkation, and cargo rail terminals.

A. Highway #	Distance (Miles)
* 4	1
*680	7
B. Airports of Embarkation	Distance (Miles)
Travis AFB	30

C. Seaport of Embarkation Distance (Miles)

Military Ocean Terminal, Bay Area 28

D. Cargo Rail Terminal Distance (Miles)

Military Ocean Terminal, Bay Area 28

*** Designated as Defense Highways.**

12.4 Is your activity serviced by rail trackage providing direct access to the commercial rail network?

YES

If Yes, are you serviced by single or multiple tracks?

MULTIPLE TRACKS

WPNSTA Concord has access to three major rail lines. The Southern Pacific (SP) serves through a "Y" track at their main line. The Atcheson Topeka & Santa Fe (ATSF) and Union Pacific (UP) serves through a joint team track. All tracks connect to WPNSTA Concord trackage. The following additional information is provided:

<u>Name</u>	<u>Location of terminal entrance</u>	<u>Number of tracks to terminal</u>
*SP	Tidal Area	1
*ATSF	" "	1
*UP	" "	1

*** These are main lines for transporting cargo to all points in the continental United States. These lines will always be maintained by the railroad companies.**

12.5 List the homeports within the service area of your facility and the distance to each.

Table 12.5: Proximity to Homeport

Home port	Distance	Note:
NAS Alameda, CA	30	1
Mare Island Naval Shipyard, Vallejo CA	24	2
Federal Industrial Supply Command, Oakland CA	27	3
Everett, WA	804	1
Treasure Island, CA	35	4
San Diego, CA	510	4

Note:1. Current homeport for carriers. Capability is expected to be transferred to Everett Washington in FY 98.

2. Current homeport for submarines. Capability will be transferred to San Diego in FY 96.

3. Homeport for USNS vessels.

4. Homeport for a limited amount of FFG'S. Capability will transferred to San Diego in FY 97.

Note:Most ships transiting WPNSTA Concord do not require homeporting because they are contracted from shipping companies.

12.6 Identify the factors that limit access to your piers, i.e.bridge height restrictions, channel depth, turning basin constraints, etc. Identify by ship type the largest vessel that can gain access to your piers.

Table 12.6: Pier Access

Largest Vessel	Limiting Factors
* Lighter Aboard Ship (LASH)	None

a. Bridge height of 135 feet and 35 feet channel depth at Mean High Water (MLLW).

*** LASH Vessel measuring up to approximately 900 feet in length and capable of carrying 27,000 short tons of Ordnance with 11.2 million pounds of net explosives.**

b. Any vessel that cannot transit to WPNSTA Concord because of size or berthing availability can be unloaded at anchorage. Refer to paragraph 2.3(a) for NEW limits at anchorage.

Strategic Concerns

13. Contingency and Mobilization Features

13.1 Identify the amount of storage space for explosives or munitions surplus to the planned need, expressed in square feet (SF) at your facility. (Note: For contingency and mobilization purposes, storage space includes revetments, railcars, barges, explosive holding yards, explosive anchorages and barricaded railroad sidyard.) Provide data for each category.

Table 13.1: Contingency/Mobilization Storage

(Revised 7/6/94)

Category of Space	Total SF*	# of Units*	Comment
Revetments	0	0	
Railcars	N/A	465	
Barges	N/A	31	
Explosive Holding Yards	0	0	
Explosive Anchorages	N/A	4	
Barricaded Railroad Siding	See Note Below **	79	
Other	0	0	
Rail Truck Receiving Station	4,160	0	
Operational Storage	36,649	0	

* NONE ARE EXCESS TO PLANNED NEED.

(R 7/6/94)

** CAPACITY FOR 389 RAILCARS

13.2 What is the fraction and square footage of your excess to the total storage space that is or will be available at each location with the completion of the MILCON projects that have been awarded but are yet to be completed.

Fraction Excess = N/A
Amount Excess = N/A

Note: **WPNSTA Concord does not have any MILCON projects that are awarded but not completed**

13. Contingency and Mobilization Features, continued

13.3 What ship berthing by general class, may be available for naval ship berthing during holiday surge periods? Address available berthing for the CVN, SSBN, CG-52, LPD, and FFG classes, as a minimum. State answers in terms of the number of ships that can be berthed without nesting. Information is only desired on ship berthing, that, if used for holiday surge berthing, will not interfere with ongoing or planned logistic loadouts or downloading. Also indicate the largest ship possible that can be berthed at each pier and wharf.

a. A total of 6 berths are available to berth (6) combatants (FFG), depending on other workload requirements. Historically, there is adequate berthing during the holiday period to berth 2-3 FFG's.

b. Berthing cannot be provided for large Navy combatant vessels because of bridge height or channel depth requirements. SSBN's cannot be berthed because of pier design and tidal action. Typically, submarines require a sheltered area to berth.

13.4 Identify any HERO restrictions for operating radars and other sensors of Navy ships at your ordnance piers. Also identify any hot work restrictions or inhibitions against berthing POL or other ships with empty fuel tanks that are not gas-free.

Station regulations require that ship's radar and radio communication equipment not be operated during ammunition handling operations. If operational necessity requires testing of radiating equipment before leaving the piers, the ship must request permission from the station C.O. A determination of HERO safety is made using the requirements of NAVSEA OP3565, "Electromagnetic Radiation Hazards". If it is determined that testing can be safely done, it is scheduled for a time that pier handling operations are not underway. Hot work on ammunition ships is not normally performed at station piers, but if operational necessary requires, it is performed in accordance with NAVSEA S6470-AA-SAF-010, "Gas Free Engineering Program".

Strategic Concerns

14. Natural Inhibitors of Operations

14.1 Identify the percent of the planned work schedule at your facility for the period FY 1990-1993 (averaged by month) interrupted by local weather or climatic conditions (i.e., how many man-years are lost annually by month because of: thunder storm, hurricane, tornado, blizzard, below freezing conditions, earthquake or other performance-impinging natural condition?).

Table 14.1.a: Impact on Operations

(R 7/6/94)

	FY	January	February	March	April	May	June
Average % Schedule Interrupted	90	2%	2%	2%	0	0	0
	91	2%	2%	2%	0	0	0
	92	2%	2%	2%	0	0	0
	93	2%	2%	2%	0	0	0

Table 14.1.b: Impact on Operations

(R 7/6/94)

	FY	Jul	Aug	Sep	Oct	Nov	Dec
Average % Schedule Interrupted	90	0	0	0	0	0	1%
	91		0	0	0	0	1%
	92	0	0	0	0	0	1%
	93	0	0	0	0	0	1%

WPNSTA Concord has experienced a very low level of thunderstorms, due to its location between the Pacific Ocean and the Sierra Nevada mountains. There are only approximately 4 times during the year when operations could be shut down operations due to lightning potential. This yields about three hours per incident or a total of 12 hours per year. The months these incidents are most likely to occur are December thru March.

Using a worst case scenario for Port Operations, the total number hours lost annually to lightning potential is approximately (3 hours per incident x 6 teams x 4 incidents per year) 1224 hours or .7 manyears on an annual basis.

A major means of reducing lost time comes from the use of two pieces of equipment to detect the approach of lightning activity in the area. This station has a 3M Stormscope and a filed mill which shows the electrical field conditions directly over the station and electrical activity many miles away from the station. By the careful

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monitoring of this equipment, explosive handling does not cease unless lightning approaches the immediate area on station. Prior to the installation of this equipment, work was stopped if lightning was in the general area.

Environment and Encroachment

15. Environmental Considerations

15.1 Identify all environmental restrictions to expansion at your activity.

WPNSTA Concord has a total of 12,881 acres. Expansion is restricted on 3,805 acres of wetlands and 154 acres of riparian habitat. There is no reason known that environmental permits required for expansion could not be obtained on other parts of the property.

15.2 Describe the undeveloped acreage or waterfront that is unique to the station or facility. Include any acreage that is suitable for industrial development.

Concord has 9,351 acres of undeveloped land which is not suitable for construction. Those acres are either hillsides too steep to build on or are protected wetlands.

Concord has 786 acres of undeveloped land which is restricted by explosive arcs to be used for construction of ordnance operating buildings or storage magazines only.

Concord has 202 acres which are undeveloped, have no explosive arc restrictions, and are suitable for industrial development. This property is broken into several smaller areas, some with no current road access. The largest single site is about 128 acres which has road and rail access and is ideal for industrial development

15.3 Identify any specific facilities, programs, or capabilities in regard to the handling and disposal of hazardous materials / waste at your activity.

Building E-61 stores hazardous materials, excluding ordnance materials. It is not permitted; permitting is not required. It may store hazardous materials on the station Authorized Use List. The building has a concrete floor for spill containment. The capacity is not determined, but far exceeds requirements.

Building 433 stores containers of hazardous waste. It has an RCRA TSD Permit to store 14,080 gallons of waste for two years, but Otto Fuel waste and ordnance waste are excluded. The building has concrete floors and trenches for spill containment.

Building A-3 has a concrete pad for storing hazardous waste wood dumpsters. It has an RCRA TSD Permit to store 240 cubic yards of waste for five years.

There are no disposal facilities. There are four treatment facilities as follows:

**Silver Recovery Unit, Bldg. IA-18, 9.4 gallons maximum holding capacity
Silver Recovery Unit, Bldg. IA-22, 4.2 gallons maximum holding capacity
Silver Recovery Unit, Bldg. IA-58, 7.4 gallons maximum holding capacity**

Activity: N60036

Fluorescent Tube Crusher Unit, Bldg. IA-46, 55 gallon maximum storage capacity

16. Encroachment Considerations

16.1 Identify any ground, industrial noise, approach channel, waterway, harbor, bridge height, turning basin, Explosive Quantity Distance Standard (ESQD), HERO, and airspace encroachments of record at your activity.

Table 16.1: Encroachments of Record

Encroachment	Date Recorded	Current Status
SEE NOTE *		

Note: Encroachments for the purpose of this table are those external conditions over which the Navy has no control which affect Concord's ability to perform it's assigned mission.

Encroachment: Approach channel of 300 foot width; 35 foot depth. Army Corps of Engineers maintains this channel for commercial as well as Navy use. Potential exists for deepening the channel to 42 feet in the future. The channel has been in existence since the mid 1800's.

Encroachment: Bridge height of 135 feet at Mean High Water. California Department of Transportation maintains a highway bridge and Santa Fe Railroad maintains a rail bridge at those heights. No change is expected. Bridges have been there since the early 1900's.

Encroachment: Explosive Safety Quantity Distance (ESQD) arcs. The last acquisition of land within Concord's arcs was in 1992 when a public highway was acquired to reduce public exposure to ordnance operations at our piers. There is one vacant plot of land within our arcs which is currently being sought by the Navy to eliminate an existing exemption condition. There are no other opportunities for the public to encroach upon our operations because all other land is held by the Navy now.

Encroachment: There are some spaces within the station boundaries which are HERO restricted because of adjacent public radio towers built in the 50's and 60's. Since the land within the boundaries of the station in those areas is covered by explosive arcs from storage magazines and pier operations, and is not suitable for additional construction, there is no disruption to station operations now, nor is there any expected in the future.

Encroachment: FAA controls a portion of the station's airspace as an approach pattern to Buchanan Airfield in Concord. The limited helo operations conducted by Concord are coordinated with the local FAA tower so there is no disruption to operations. Buchanan Airfield has been active since the 1930's.

There are no known future encroachments which are not already covered by existing ownership of land and water approaches. Changes to explosive safety regulations

are dealt with when they come up, frequently by "grandfathering" an existing condition as an exemption to the new rules.

Quality of Life

17. Military Housing - Family Housing

17.1 Do you have mandatory assignment to on-base housing? Yes / No

No

17.2 For military family housing in your locale, provide the following information:

Table 17.2: Available Military Family Housing

Type of Quarters	Number of Bedrooms	Total number of units	Number Adequate	Number Substandard	Number Inadequate
Officer	4+	4	4	0	0
Officer	3	19	19	0	0
Officer	2	10	10	0	0
Enlisted	4+	16	16	0	0
Enlisted	3	68	68	0	0
Enlisted	2	244	244	0	0
Mobile Homes	0	0	0	0	0
Mobile Home lots	0	0	0	0	0

17.3 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.

- 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?

N/A

17.4 Complete the following table for the military housing waiting list. Report Number on list as of 31 March 1994.

Table 17.4: Military Housing Waiting List

Pay Grade	Number of Bedrooms	Number on List	Average Wait
O-6/7/8/9	1	0	0
	2	0	0
	3	0	0
	4+	0	0
O-4/5	1	0	0
	2	0	0
	3	0	0
	4+	0	0
O-1/2/3/CWO	1	0	0
	2	1	3 to 4 weeks
	3	3	3 to 4 weeks
	4+	0	0
E7-E9	1	0	0
	2	0	0
	3	2	2 to 3 weeks
	4+	0	0
E1-E6	1	0	0
	2	28	2 to 3 weeks
	3	10	5 to 6 weeks
	4+	1	8 to 24 weeks

17.5 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.

Table 17.5: Housing Demand Factors

Top Five Factors Driving the Demand for Base Housing	
1	High cost of rent for civilian housing
2	High utility costs
3	Low cost housing is usually in a high crime area.
4	Base housing is usually in a secure area.
5	Short Commute

17.6 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)?

100 %

17.7 Provide the utilization rate for family housing for FY 1993.

Table 17.7: Family Housing Utilization

Type of Quarters	Utilization Rate (%)
Adequate	98%
Substandard	-
Inadequate	-

17.8 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 CHANGE.

Quality of Life 2

18. Military Housing - Bachelor Quarters

18.1 Provide the utilization rate for Bachelor Enlisted Quarters(BEQs) for FY 1993.

Table 18.1: BEQ Utilization

Type of Quarters	Utilization Rate
Adequate	83.5%
Substandard	99%
Inadequate	N/A

18.2 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?

Yes, deactivation of the Marines Security Force

18.3 Calculate the Average on Board (AOB) for Geographic Bachelors (GB) as follows:

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

$$\text{AOB} = 27$$

18.4 Indicate in the following chart the percentage of Geographic Bachelors (GB) by category of reasons for family separation. Provide comments as necessary.

Table 18.4: Reasons for Geographic Separation (BEQ) (R 7/6/94)

Reason for Separation from Family	Number of GB	Percent of GB	Comments
Family Commitments (children in school, financial, etc.)	20	83.3	
Spouse Employment (non-military)	0	0	(R 7/6/94)
Other	4	16.7	
TOTAL	24	100	

18.5 How many enlisted Geographic Bachelors (GB) do not live on base?

Activity: N60036

GB Off-Base = 0

18.6 Provide the utilization rate for Bachelor Officers Quarters (BOQs) for FY 1993.

Table 18.6: **BOQ Utilization**

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

18.7 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?

N/A

18.8 Calculate the Average on Board (AOB) for Geographic Bachelors as follows:

$$\text{AOB} = \frac{\# \text{ GB} \times \text{average \# days in barracks}}{\# \text{ GB}}$$

$$\text{AOB} = \underline{N/A}$$

18.9 Indicate in the following chart the percentage of Geographic Bachelors by category of reasons for family separation. Provide comments as necessary.

Table 18.9: Reasons for Geographic Separation (BOQ)

(R 7/6/94)

Reason for Separation from Family	# of GB	% of GB	Comments
Family Commitments (children in school, financial, etc.)	N/A	N/A	
Spouse Employment (non-military)	N/A	N/A	
Other	N/A	N/A	
TOTAL	N/A	N/A	

18.10 How many officer Geographic Bachelors do not live on base?

$$\# \text{ GB Off-Base} = \underline{N/A}$$

19. MWR Facilities

19.1 For on-base MWR facilities available, complete the following table for each separate location. These are spaces designed for a particular use. A single building might contain several facilities, each of which should be listed separately. For off-base government-owned or leased recreation facilities, indicate their distance from your base. If there are any facilities not listed, include them at the bottom of the table.

LOCATION: All facilities located on station **DISTANCE:** N/A

Table 19.1.a: MWR Facilities Summary

Facility	Unit of Measure	Total	Profitable (Y/N / N/A)
Auto Hobby	Indoor Bays	3	Y
	Outdoor Bays	8	Y
Arts / Crafts	SF	0	N/A
Wood Hobby	SF	0	N/A
Bowling	Lanes	0	N/A
Enlisted Club	SF	0	N/A
Officers Club	SF	0	N/A
Library	SF	0	N/A
Library	Books	0	N/A
Theater	Seats	0	N/A
ITT	SF	8344*	Y
Museum / Memorial	SF	0	N/A
Pool (indoor)	Lanes	0	N/A
Pool (outdoor)	Lanes	5	Y
Beach	LF	0	N/A
Swimming Ponds	Each	0	N/A
Tennis Court	Each	3	N/A

Activity: N60036

*** Co-Located with the Recreation Center**

Table 19.1.b: MWR Facilities Summary

Facility	Unit of Measure	Total	Profitable (Y / N / N/A)
Volleyball court (outdoor)	Each	1	N/A
Basketball court (outdoor)	Each	1	N/A
Racquetball court	Each	2	N/A
Golf Course	Holes	0	N/A
Driving Range	Tee Boxes	0	N/A
Gymnasium	SF	12,867	N/A
Fitness Center	SF	1,966	N/A
Marina	Berths	0	N/A
Stables	Stalls	0	N/A
Softball Field	Each	1	N/A
Football Field	Each	1	N/A
Soccer Field	Each	1	N/A
Youth Center	SF	1	Y**
** This program is self-sufficient. All staff members are APF.			

19.2 Is your library part of a regional interlibrary loan program?

N/A

Quality of Life

20. Base Family Support Facilities and Programs

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

Table 20.1: **Child Care Availability**

Age Category	Capacity (# Children)	SF *			Number on Wait List **	Average Wait (Days)
		Adequate	Substandard	Inadequate		
0-6 Months	8					
6-12 Months	8					
12-24 Months	20					
24-36 Months	14					
3-5 Years	7					

* Child care is provided at private residences by certified Home care providers.

** No children on waiting list at this moment

20.2 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?

N/A

20.3 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.

There are occasional waiting periods for Family Child Care

20.4 How many "certified home care providers" are registered at your base?

= 13

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

Mare Island Naval Shipyard, 80 children (1 - 5), capacity current enrollment - 50

NAS Alameda, 130 children (6 months - 5 years), capacity current enrolment - 122

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

Table 20.6: Available Services

Service	Unit of Measure	Quantity
Exchange	SF	9,930
Gas Station	SF	0
Auto Repair	SF	0
Auto Parts Store	SF	0
Commissary	SF	0
Mini-Mart	SF	0
Package Store	SF	0
Fast Food Restaurants	Each	0
Bank/Credit Union	Each	1
Family Service Center	SF	0
Laundromat	SF	0
Dry Cleaners	Each	0
ARC	PN	0
Chapel	SF	3,703
FSC Classroom/Auditorium	PN	0
Barber Shop	Each	1

21. Metropolitan Areas

21.1 Identify proximate major metropolitan areas closest to your base (provide at least three):

Table 21.1: **Proximate Metropolitan Areas**

City	Distance (Miles)
Central Contra Costa Co. Metro Area - Contiguous Cities: Walnut Creek, Concord, Pleasant Hill, Martinez)	6
Northwest Contra Costa Co. Metro Area - Contiguous Cities: Richmond, El Cerrito, Hercules, Rodeo)	30
South Contra Costa Co. Metro Area - Contiguous Cities: San Ramon, Danville, Alamo, Dublin)	20
East Contra Costa Co. Metro Area - Contiguous Cities: Pittsburg, Antioch, Bay Point)	10
Southwest Solano Co. Metro Area - Contiguous Cities: Vallejo, Benicia	20
South Central Solano Co. Metro Area - Contiguous Cities: Fairfield, Vacaville)	40
Sacramento Metro Area	55
Oakland Metro Area	30
San Francisco Metro Area	40

Quality of Life

22. VHA Rates

22.1 Identify the Standard Rate VHA Data for Cost of Living in your area:

Table 22.1: VHA Rates

Paygrade	With Dependents	Without Dependents
E1	\$320.10	\$179.10
E2	320.10	201.30
E3	336.30	247.80
E4	361.50	252.30
E5	415.50	290.10
E6	462.30	314.70
E7	500.10	347.40
E8	538.50	407.10
E9	584.10	443.40
W1	444.00	337.20
W2	513.30	402.60
W3	558.00	453.60
W4	608.70	539.70
O1E	510.90	378.30
O2E	552.00	440.10
O3E	611.70	517.50
O1	434.40	320.10
O2	486.30	380.10
O3	569.40	479.40
O4	687.90	598.20
O5	780.30	645.30
O6	809.70	670.20
O7	899.10	730.50

Quality of Life

23. Off-base Housing Rental and Purchase

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

Table 23.1: **Recent Rental Rates**

Type of Rental	Average Monthly Rent		Average Monthly Utilities Cost
	Annual High	Annual Low	
Efficiency			
Apartment (1-2 Bedroom)	\$ 631	Stable	\$ 45
Apartment (3+ Bedroom)	\$ 807	Stable	\$ 48
Single Family Home (3 Bedroom)	\$1,190	Stable	\$ 100
Single Family Home (4+ Bedroom)	\$1,888	Stable	\$120
Town House (2 Bedroom)	\$ 665	Stable	\$ 50
Town House (3+ Bedroom)	\$ 977	Stable	\$ 60
Condominium (2 Bedroom)	\$ 745	Stable	\$ 50
Condominium (3+ Bedroom)	\$1,048	Stable	\$ 60

23.2 What was the rental occupancy rate in the community as of 31 March 1994?

Table 23.2: **Rental Occupancy Rate**

Type Rental	Occupancy Rate (%)
Efficiency	
Apartment (1-2 Bedroom)	65%
Apartment (3+ Bedroom)	70%
Single Family Home (3 Bedroom)	83%
Single Family Home (4+ Bedroom)	87%
Town House (2 Bedroom)	72%
Town House (3+ Bedroom)	75%
Condominium (2 Bedroom)	72%

Activity: N60036

Type Rental	Occupancy Rate (%)
Condominium (3+ Bedroom)	75%

23.3 What are the median costs for homes in the area?

Table 23.3: **Regional Home Costs**

Type of Home	Median Cost
Single Family Home (3 Bedroom)	\$ 175,000
Single Family Home (4+ Bedroom)	\$ 201,000
Town House (2 Bedroom)	\$ 120,000
Town House (3+ Bedroom)	\$ 128,000
Condominium (2 Bedroom)	\$ 150,000
Condominium (3+ Bedroom)	\$ 163,000

23.4 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.

Table 23.4: **Housing Availability**

MONTH	2 BEDROOMS	3 BEDROOMS	4 BEDROOMS
Januray	658	1567	900
February	710	1625	955
March	668	1580	820
April	678	1650	888
May	680	1677	915
June	758	1585	900
July	870	1646	932
August	765	1677	960
September	724	1650	936
October	687	1634	966
November	660	1638	932
December	673	1645	930

23.5 Describe the principle housing cost drivers in your local area.

Rand McNally has reported the San Francisco Bay Area as the most expensive housing market in CONUS for the last ten years. The housing market is driven by several factors:

- a. Rapidly increasing immigration**
- b. Expansion of Pacific Rim markets**
- c. Increasing activity by high tech industries**
- d. Highly educated and skilled labor pool**
- e. Superior educational system**
- f. Excellent medical care**
- g. Varied recreational opportunities**
- h. Access to the Arts**

Quality of Life

24. Sea-Shore Opportunities

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

Table 24.1: **Sea Shore Opportunities**

Rating	# Sea Billets in Local Area	# Shore Billets in Local Area
BM	270	13
GM	84	22
MM	210	5
HT	30	0
EN	20	11

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

Table 25.1: **Commuting Distances**

Location	% Employees	Distance (mi)	Time (min)
Contra Costa County (West-East-Central)	67	15	25
Solano County (North)	13	30	40
Solano County (Fairfield)	12	30	45
San Francisco Bay Area	6	45	60
Napa County (North)	2	55	80

Quality of Life

26. Regional Educational Opportunities

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

26.1 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/ACT 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.

Table 26.1: EDUCATIONAL OPPORTUNITIES**(R 7/6/94)**

Institution	Type	Grade Level(s)	Special Education Available	Annual Enrollment Cost/Student	SAT/ACT Score	% HS to College	Source of Info
-------------	------	----------------	-----------------------------	--------------------------------	---------------	-----------------	----------------

CITY OF CONCORD SCHOOLS

Ayers	Public	K-5	LH	\$ 3,217.14	See * Below	See * Below	Education Dept
Cambridge	Public	Special Ed	LH, SH, PH, CM	\$ 3,217.14	" "	" "	Education Dept
El Monte	Public	K-5	LH	\$ 3,217.14	" "	" "	Education Dept
Fair Oaks	Public	K-5	LH	\$ 3,217.14	" "	" "	Education Dept
Highlands	Public	K-5	LH	\$ 3,217.14	" "	" "	Education Dept
Holbrook	Public	K-5	LH	\$ 3,217.14	" "	" "	Education Dept
Meadow Homes	Public	K-5	LH	\$ 3,217.14	" "	" "	Education Dept
Monte Gardens	Public	K-5	LH	\$ 3,217.14	" "	" "	Education Dept
Shadelands	Public	Special Ed	LH, SH, PH, CM	\$ 3,217.14	" "	" "	Education Dept
Silverwood	Public	K-5	LH	\$ 3,217.14	" "	" "	Education Dept
Sunterrace	Public	K-5	LH	\$ 3,217.14	" "	" "	Education Dept
Westwood	Public	K-5	LH	\$ 3,217.14	" "	" "	Education Dept
Woodside	Public	K-5	LH	\$ 3,217.14	" "	" "	Education Dept
Ygnacio	Public	K-5	LH	\$ 3,217.14	" "	" "	Education Dept
El Dorado	Public	6-8	LH	\$ 3,217.14	" "	" "	Education Dept
Glenbrook	Public	K-5	LH	\$ 3,217.14	" "	" "	Education Dept
Oak Grove	Public	K-5	LH	\$ 3,217.14	" "	" "	Education Dept
Pine Hollow	Public	K-5	LH	\$ 3,217.14	" "	" "	Education Dept
Mt. Diablo	Public	9-12	LH	\$ 3,217.14	481.5	" "	Education Dept

Institution	Type	Grade Level(s)	Special Education Available	Annual Enrollment Cost/Student	SAT/ACT Score	% HS to College	Source of Info
Ygnacio Valley	Public	9-12	LH	\$ 3,217.14	481.5	" "	Education Dept
Horizons School	Public	K-12	Independent Study	\$ 3,217.14	" "	" "	Education Dept
Olympic Continuation	Public	9-12	LH	\$ 3,217.14	" "	" "	Education Dept

Mt. Diablo and Ygnacio Valley High Schools SAT scores were listed as a combined score.

* SAT/ACT SCORE AND % HS TO COLLEGE NOT APPLICABLE

(R 7/6/94)

VALLEJO CITY SCHOOL DISTRICT

Beverly Hills	Public	K-6	LH, PH	\$ 3,217.14	See * Below	See * Below	Education Dept
Cave	Public	K-6	LH	\$ 3,217.14	" "	" "	Education Dept
Cooper	Public	K-6	LH, PH	\$ 3,217.14	" "	" "	Education Dept
Davidson	Public	K-6	PH	\$ 3,217.14	" "	" "	Education Dept
Everest	Public	K-6	LH	\$ 3,217.14	" "	" "	Education Dept
Farragut	Public	K-6		\$ 3,217.14	" "	" "	Education Dept
Glen Cove	Public	K-6	LH, PH	\$ 3,217.14	" "	" "	Education Dept
Highland	Public	K-6	LH	\$ 3,217.14	" "	" "	Education Dept
Lincoln	Public	K-6		\$ 3,217.14	" "	" "	Education Dept
Loma Vista	Public	K-6	LH, PH, CH	\$ 3,217.14	" "	" "	Education Dept
Mare Island	Public	K-6		\$ 3,217.14	" "	" "	Education Dept
Mini	Public	K-6	LH	\$ 3,217.14	" "	" "	Education Dept
Patterson	Public	K-6		\$ 3,217.14	" "	" "	Education Dept
Pennycook	Public	K-6	PH, CH	\$ 3,217.14	" "	" "	Education Dept
Steffan Manor	Public	K-6	PH	\$ 3,217.14	" "	" "	Education Dept
Wardlaw	Public	K-6	LH, PH	\$ 3,217.14	" "	" "	Education Dept
Widenman	Public	K-6	PH, CH	\$ 3,217.14	" "	" "	Education Dept
Franklin Jr	Public	7-9	LH, PH, CH	\$ 3,217.14	" "	" "	Education Dept
Solano Jr	Public	7-9	LH, PH	\$ 3,217.14	" "	" "	Education Dept
Springstowne Jr	Public	7-9	PH, MH	\$ 3,217.14	" "	" "	Education Dept
Vallejo Jr	Public	7-9	LH, PH	\$ 3,217.14	" "	" "	Education Dept
Hogan Sr	Public	10-12	LH, PH, CH	\$ 3,217.14	416.0	39.4%	Education Dept
Peoples	Public	Special Ed	SH, PH	\$ 3,217.14	N/A	" "	Education Dept
Vallejo Sr	Public	10-12	LH, PH	\$ 3,217.14	417.5	39.4%	Education Dept

* SAT/ACT SCORE - % TO COLLEGE NOT APPLICABLE

(R 7/6/94)

SH=Severly handicapped/LH=Learning handicapped/PH=Physically handicapped/CH=Communicative handicapped

26.2 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 applicable boxes.

Table 26.2: Off-Base Educational Programs

(R 7/6/94)

Institution	Type Classes	Program Type				
		Adult High School	Vocational/ Technical	Undergraduate		Graduate
				Courses only	Degree Program	
CHABOT COLLEGE HAYWARD, CA	Day	Yes	Yes	Yes	AA	N/A
	Night	Yes	Yes	Yes	AA	N/A
COLLEGE OF ALAMEDA ALAMEDA, CA	Day	Yes	Yes	Yes	AA, AS	N/A
	Night	Yes	Yes	Yes	AA, AS	N/A
CONTRA COSTA COLLEGE SAN PABLO, CA	Day	Yes	Yes	Yes	AA, AS	N/A
	Night	Yes	Yes	Yes	AA, AS	N/A
DIABLO VALLEY COLLEGE PLEASANT HILL, CA	Day	Yes	Yes	Yes	AA, AS	N/A
	Night	Yes	Yes	Yes	AA, AS	N/A
HEALD BUSINESS COLLEGE CONCORD, CA	Day	Yes	No	Yes	AS	N/A
	Night	Yes	No	Yes	AS	N/A
HEALD BUSINESS COLLEGE HAYWARD	Day	Yes	No	Yes	AS	N/A
	Night	Yes	No	Yes	AS	N/A
HEALD COLLEGE OAKLAND, CA	Day	Yes	No	Yes	AS	N/A
	Night	Yes	No	Yes	AS	N/A
HEALD INSTITUTE OF TECHNOLOGY MARTINEZ, CA	Day	No	Yes	Yes	AS	N/A
	Night	No	Yes	No	NA	N/A
LANEY COLLEGE OAKLAND, CA	Day	Yes	No	Yes	AA, AS	N/A
	Night	No	No	No	NA	N/A
LAS POSITAS COLLEGE LIVERMORE, CA	Day	Yes	Yes	Yes	AA	N/A
	Night	Yes	Yes	Yes	AA	N/A

Institution	Type Classes	Program Type				
		Adult High School	Vocational/ Technical	Undergraduate		Graduate
				Courses only	Degree Program	
LOS MEDANOS COLLEGE PITTSBURG, CA	Day	No	Yes	Yes	AA, AS	N/A
	Night	No	Yes	Yes	AA, AS	N/A
MERRITT COLLEGE OAKLAND, CA	Day	No	No	Yes	AA, AS	N/A
	Night	No	No	Yes	AA, AS	N/A
NAPA VALLEY COLLEGE NAPA, CA	Day	No	Yes	Yes	AA, AS	N/A
	Night	No	Yes	Yes	AA, AS	N/A
OHLONE COLLEGE FREMONT, CA	Day	Yes	Yes	Yes	AA, AS	N/A
	Night	Yes	Yes	Yes	AA, AS	N/A
SOLANO COLLEGE SUISUN CITY, CA	Day	Yes	Yes	Yes	AA, AS	N/A
	Night	Yes	Yes	Yes	AA, AS	N/A
VISTA COLLEGE BERKELEY, CA	Day	Yes	Yes	Yes	AA, AS	N/A
	Night	Yes	Yes	Yes	AA, AS	N/A
ARMSTRONG UNIVERSITY BERKELEY, CA	Day	Yes	No	Yes	Bachelors	Masters
	Night	Yes	No	Yes	Bachelors	Masters
CALIFORNIA COLLEGE OF ARTS AND CRAFTS OAKLAND, CA	Day	Yes	No	Yes	Bachelors	Masters
	Night	No	No	No	NA	NA
CALIFORNIA MARITIME ACADEMY VALLEJO, CA	Day	Yes	No	No	Bachelors	NONE
	Night	No	No	No	NA	NA
CALIFORNIA STATE UNIVERSITY HAYWARD, CA	Day	Yes	No	Yes	Bachelors	Masters
	Night	Yes	No	Yes	Bachelors	Masters
DOMINICAN SCHOOL OF PHILOSOPHY AND THEOLOGY BERKELEY, CA	Day	Yes	No	Yes	Bachelors	Masters
	Night	No	No	No	NA	NA
HOLY NAMES COLLEGE OAKLAND, CA	Day	Yes	No	Yes	Bachelors	Masters

Institution	Type Classes	Program Type				
		Adult High School	Vocational/ Technical	Undergraduate		Graduate
				Courses only	Degree Program	
	Night	Yes	No	Yes	Bachelors	Masters
JOHN F. KENNEDY UNIVERSITY ORINDA, CA	Day	Yes	No	Yes	Bachelors	Masters
	Night	Yes	No	Yes	Bachelors	Masters
MILLS COLLEGE OAKLAND, CA	Day	Yes	No	Yes	Bachelors	Masters
	Night	No	No	No	NA	NA
PATTEN COLLEGE OAKLAND, CA	Day	Yes	No	Yes	Associates/Bachelors	NONE
	Night	No	No	No	NA	AA
SAINT MARY'S COLLEGE OF CALIFORNIA MORAGA, CA	Day	Yes	No	Yes	Bachelors	Masters
	Night	Yes	No	Yes	Bachelors	Masters
SAMUEL MERRITT COLLEGE OAKLAND, CA	Day	Yes	No	Yes	Bachelors	Masters
	Night	No	No	No	NA	NA
UNIVERSITY OF CALIFORNIA AT BERKELEY BERKELEY, CA	Day	Yes	No	Yes	Bachelors	Masters/PHD
	Night	No	No	Yes	CERTIFICATES	MBA

26.3 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 applicable boxes.

Table 26.3: On-Base Educational Programs

Institution	Type Classes	Program Type				
		Adult High School	Vocational/Technical	Undergraduate		Graduate
				Courses only	Degree Program	
NONE ¹	Day					
	Night					
	Correspondence					

¹ The Human Resources Detachment on base provides information on availability of educational services.

Quality of Life

27. Spousal Employment Opportunities

27.1 Provide the following data on spousal employment opportunities.

Table 27.1: Spouse Employment

Skill Level	# Military Spouses Served by FSC Spouse Employment Assistance *			Local Community Unemployment Rate (%)
	1991	1992	1993	
Professional				6.6% **
Manufacturing				6.6% **
Clerical				6.6% **
Service				6.6% **
Other				6.6% **

* No FSC on Station. The nearest FSCs are at MARE Island Naval Shipyard and NAS Alameda
 **Unemployment data not captured by skill level.

28. Medical/Dental Care

28.1 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.

There is a medical/dental clinic on station. There are three regional medical centers, a county hospital and several private hospitals in the area. Concord is in the center of a large metropolitan area with ample access to medical and dental care. Active duty personnel and their dependents have access to a number of medical centers and hospitals through CHAMPUS. The nearest Military Facilities are the Naval Hospital Oak Knoll and the David Grant Memorial Hospital located approximately 36 miles from the Station.

28.2 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.

There is a medical/dental clinic on station. There are three regional medical centers, a county hospital and several private hospitals in the area. Concord is in the center of a large metropolitan area with ample access to medical and dental care. Active duty personnel and their dependents have access to a number of medical centers and hospitals through CHAMPUS. The nearest Military Facilities are the Naval Hospital

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Oak Knoll and the David Grant Memorial Hospital located approximately 38 miles from the Station.

29. Crime Rate

29.1 Complete the table below to indicate the crime rate for your activity for the last three fiscal years. The source for case category definitions to be used in responding to this question are found in the NCIS Manual, dated 23 February 1989, at Appendix A, entitled "Case Category Definitions." Note: the crimes reported in this table should *include* (a) 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* (b) all reported criminal activity off base.

Table 29.1.a: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
1. Arson (6A)	(4)	(3)	(2)
Base Personnel - military	3	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	1	3	2
2. Blackmarket (6C)	0	0	0
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
3. Counterfeiting (6G)	0	0	0
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
4. Postal (6L)	0	(1)	(1)
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	1
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	1	0

Table 29.1.b: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
5. Customs (6M)	0	0	0
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
6. Burglary (6N)	(34)	(37)	(50)
Base Personnel - military	2	4	1
Base Personnel - civilian	1	3	9
Off Base Personnel - military	2	3	1
Off Base Personnel - civilian	29	27	39
7. Larceny - Ordnance (6R)	(2)	0	(3)
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	3
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	2	0	0
8. Larceny - Government (6S)	(20)	(24)	(14)
Base Personnel - military	3	10	6
Base Personnel - civilian	9	9	6
Off Base Personnel - military	2	3	0
Off Base Personnel - civilian	6	2	2

Table 29.1.c: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
9. Larceny - Personal (6T)	(23)	(30)	(25)
Base Personnel - military	11	9	9
Base Personnel - civilian	2	4	12
Off Base Personnel - military	2	13	2
Off Base Personnel - civilian	8	4	2
10. Wrongful Destruction (6U)	(71)	(79)	(72)
Base Personnel - military	44	39	25
Base Personnel - civilian	5	22	22
Off Base Personnel - military	2	3	11
Off Base Personnel - civilian	20	15	14
11. Larceny - Vehicle (6V)	(3)	(2)	(3)
Base Personnel - military	1	0	1
Base Personnel - civilian	1	0	2
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	1	2	0
12. Bomb Threat (7B)	(29)	(14)	(12)
Base Personnel - military	10	10	5
Base Personnel - civilian	2	2	2
Off Base Personnel - military	0	0	3
Off Base Personnel - civilian	17	2	2

Table 29.1.d: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
13. Extortion (7E)	0	0	0
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
14. Assault (7G)	(28)	(20)	(34)
Base Personnel - military	9	4	9
Base Personnel - civilian	0	1	10
Off Base Personnel - military	10	3	8
Off Base Personnel - civilian	9	12	7
15. Death (7H)	0	0	(1)
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	1
16. Kidnapping (7K)	0	0	0
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0

Table 29.1.e: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
18. Narcotics (7N)	(3)	(5)	(1)
Base Personnel - military	0	1	0
Base Personnel - civilian	1	1	0
Off Base Personnel - military	1	1	0
Off Base Personnel - civilian	1	2	1
19. Perjury (7P)	0	(1)	0
Base Personnel - military	0	1	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
20. Robbery (7R)	(1)	(1)	0
Base Personnel - military	0	1	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	1	0	0
Off Base Personnel - civilian	0	0	0
21. Traffic Accident (7T)	(113)	(80)	(74)
Base Personnel - military	19	21	18
Base Personnel - civilian	26	20	28
Off Base Personnel - military	30	11	10
Off Base Personnel - civilian	38	28	18

Table 29.1.f: Local Crime Rate

Crime Definitions	FY 1991	FY 1992	FY 1993
22. Sex Abuse - Child (8B)	0	(3)	(1)
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	1	0
Off Base Personnel - civilian	0	2	1
23. Indecent Assault (8D)	0	0	0
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	0
24. Rape (8F)	0	0	(1)
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	1
25. Sodomy (8G)	0	0	(1)
Base Personnel - military	0	0	0
Base Personnel - civilian	0	0	0
Off Base Personnel - military	0	0	0
Off Base Personnel - civilian	0	0	1

ACTIVITY LISTING

Type	Title	Location
WPNSTA	NAVWPNSTA EARLE	Colts Neck, NJ
WPNSTA	NAVWPNSTA YORKTOWN	Yorktown, VA
WPNSTA	NAVWPNSTA CHARLESTON	Charleston, SC
WPNSTA	NAVWPNSTA CONCORD	Concord, CA
WPNSTA	NAVORDCEN PACDIV DET FALLBROOK	Fallbrook, CA
WPNSTA	NAVORDCEN PACDIV DET PORT HADLOCK	Port Hadlock, WA
WPNSTA	NAVWPNSTA SEAL BEACH	Seal Beach, CA
NAVMAG	NAVMAG GUAM	Guam
NAVMAG	NAVMAG LUALUALEI	Waianae, HI
MISSILE FACILITY	NOTU	Port Canaveral, FL
MISSILE FACILITY	POMFLANT	Charleston, SC
MISSILE FACILITY	SWFLANT	Kings Bay, GA
MISSILE FACILITY	SWFPAC	Silverdale, WA

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

NEXT ECHELON LEVEL (if applicable)

A. L. CHRISTOPHER
 NAME (Please type or print)
Executive Director
 Title
NAVORDCEN PACDIV
 Activity

A. L. Christopher
 Signature
3 Jun 94
 Date

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

NEXT ECHELON LEVEL (if applicable)

R. SUTTON, RADM, USN
 NAME (Please type or print)
COMMANDER
 Title
NAVAL ORDNANCE CENTER
 Activity

R. Sutton
 Signature
14 JUL 94
 Date

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

MAJOR CLAIMANT LEVEL

G. R. STERNES
 NAME (Please type or print)
Commander
 Title **Naval Sea Systems Comm**
 Activity

G. R. Sternes
 Signature
7/15/94
 Date

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

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

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

W. A. Earner
 Signature
8/3/94
 Date

BRAC-95 CERTIFICATION
DATA CALL 46 - MILITARY VALUE

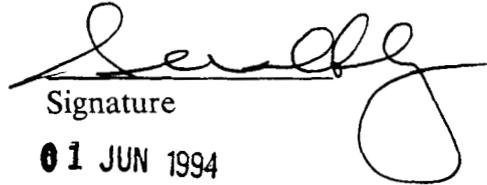
I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ALAN M. NIBBS

Name (Please type or print)

COMMANDING OFFICER

Title



Signature

01 JUN 1994

Date

Division

Department

NAVAL WEAPONS STATION CONCORD

Activity

Data Call 46 - Military Value

BRAC-95 CERTIFICATION
DATA CALL 46
MILITARY VALUE

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

R. B. LANNING
(Please type or print)


Signature

COMMANDING OFFICER
Title

06 JUL 1994
Date

Division

Department

NAVAL WEAPONS STATION CONCORD
Activity

103

DC46 as of 09 Dec 94

Activity: N60036

DATA CALL WORK SHEET FOR MILITARY VALUE ANALYSIS

NAVAL WEAPONS STATIONS, NAVAL MAGAZINES,
AND STRATEGIC WEAPONS FACILITIES

Naval Weapons Station Concord
UIC: N60036

*Complete
Revision*

Double underlining and table shading indicate revisions in table data and datacall narratives since June 1994.

Mission Area**1. Ordnance Storage**

1.1 How much (in tons and square feet (SF)) of approved explosive ordnance (magazine) storage exists at the facility?

Table 1.1: Ordnance Storage

(R 12/06/94)

	PRESENT STORAGE		FY 2001	
	SF	Tons	SF	Tons
	TOTAL STORAGE	829,104	21,996.51	829,104

1.2 What fraction of the available storage is in use and projected to be in use for the years indicated? (Note: Retain consistency with NAVSEAINST 8024.2, which indicates that 80% of the square feet in a magazine is effectively 100% full because of access and handling factors.)

Table 1.2: Fraction of Storage in Use

Ordnance Category	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997	FY 1999	FY 2001
LOE	41.80	41.24	40.26	56.06	56.91	57.76	58.61	59.46	60.31
Threat	16.70	13.11	5.50	9.47	9.85	10.23	10.61	10.99	11.37
Nuclear	-	-	-	-	-	-	-	-	-
Other*	4.10	8.60	5.50	4.12	4.12	4.12	4.12	4.12	4.12
TOTAL	62.60	62.95	51.26	69.65	70.88	72.11	73.34	74.57	75.80

*OTHER: Non-DON (Army) and all out granted magazines, excluding "Q" Area Non-DON (Air Force). Projections are based on the assumption that ratios stay the same as present (disposal, temp stows, FFT, etc.) and load plan highs are reached by end of FY99.