DCN 534

BRAC-95

DATA CALL NUMBER ONE

Data for

Naval Command, Control and Ocean Surveillance

Center, ISE West Coast Division, San Diego

DATA CALL 1: GENERAL INSTALLATION INFORMATION

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

- Name

Official name	*Naval Command, Control and Ocean Surveillance Center, In-Service Engineering, West Coast Division*
Acronym(s) used in correspondence	*NISEWEST SAN DIEGO CA* *NISE West* *NISE West San Diego site*

Commonly accepted short title(s) *NISE West*

- Complete Mailing Address

Commanding Officer
Naval Command, Control and Ocean Surveillance Center,
In-Service Engineering, West Coast Division
P. O. Box 85137
San Diego, CA 92186-5137

- PLAD

NISEWEST SAN DIEGO CA

- PRIMARY UIC: N68944 (Plant Account UIC for Plant Account Holders) Enter this number as the Activity identifier at the top of each Data Call response page.

- ALL OTHER UIC(s) N63274 PURPOSE: NISE West Detachment Vallejo, CA (Shipping & Receiving purposes only)

N65584 NISE West (former NESEC San Diego) (Used for prior year accounts only)

N62676	NISE West Activity Pearl Harbor and Field Office at Adak.
N66121	NISE West Facility Guam
N66120	NISE West Facility Japan

2. **PLANT ACCOUNT HOLDER**:

• NISE West Yes _____ No ___X___ (check one)

NOTES:
(1) NISE West Headquarters in San Diego is currently a tenant at Air Force Plant 19. This facility will be transferred to NISE West in FY 94, making NISE West the future Plant Account Holder.

(2) NISE West is the plant account holder of a depot and ISE facility at 4635 Pacific Highway, San Diego, CA., known as the Taylor Street Facility.

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

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

· Yes _____ No ___X *___ (check one)

* See Notes 1 and 2 under "TENANT COMMAND".

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

· Yes ___X___ No ____ (check one)

· Primary Host (current): USAF, Air Force Logistics Command, Wright-Patterson AFB, Ohio UIC: FA8602

- Primary Host (as of 01 Oct 1995) UIC: N68944 (See below)
- Primary Host (as of 01 Oct 2001) UIC: N68944 (See below)

NOTES:

(1) Navy acquisition of Air Force Plant-19, located at 4297 Pacific Highway, San Diego, California, will occur approximately mid-third quarter FY 94. At that time, NISE West will become host, providing facilities for its own functions and the functions of other (tenant) activities.

(2) NISE West currently has accountability for Class 1 and Class 2 property at the Taylor Street facility. That facility is occupied by NISE West operations only; with no tenants.

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

- Yes _____ No __X__ (check one)

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

Name	Location	UIC
NISE West Taylor Street Facility Code 500	4635 Pacific Highway San Diego, CA 92110-3288	N68944

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

Name	UIC	Location	Host name	Host UIC
NISE West Detachment Vallejo, CA	N68944 (N63274 used for Shipping & Receiving purposes only)	Vallejo, CA	Mare Island Naval Shipyard	N00221
NISE West Crypto Repair Facility	N68944	San Diego, CA	NAVSTA San Diego, CA	N00245

NISE West GPS Facility	N68944	Imperial Beach, CA	NAS Imperial Beach	N43396
NISE West Field Office, Key West	N68944	Key West, FL	NAS Key West FL	N00213
NISE West Activity Pearl Harbor, HI	N62676	Pearl Harbor HI	Pearl Harbor Naval Shipyard	N00311
NISE West Activity Pearl Harbor Field Office	N62676	Adak, AK	NAS Adak	N60462
NISE West Facility Guam	N66121	Finegayan, GQ	NCTAMS WESTPAC	N70243
NISE West Facility Japan	N66120	Yokosuka, JA	SRF Yokosuka	N62758

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

Yes. BRAC 91 closed the Naval Electronic Systems Engineering Centers at San Diego and Vallejo, California. The functions of these two commands were organizationally combined into a new command, Naval Command, Control and Ocean Surveillance Center, In-Service Engineering, West Coast Division (NISE West) on 1 October 1992. Physical relocation of all assets at Vallejo is on-going and is scheduled for completion by 30 September 1995.

BRAC 91 realigned NEEACT PAC Pearl Harbor, HI, and placed that activity under NISE West as "NISE West Activity, Pearl Harbor, HI." The two subordinate activities under the former NEEACT PAC Pearl Harbor, HI at Guam and Japan had their command names changed and became subordinate activities of NISE West.

BRAC 93 authorized the consolidation of our engineering centers at Vallejo and San Diego into space on Air Force property and authorized the transfer of that property, located at 4297 Pacific Highway, San Diego, California, to the Navy. A construction contract has been awarded and facility modifications are underway. Negotiations are on-going with the Air Force for transfer of the property title to the Navy. Expected title transfer date is mid-third quarter, FY 94.

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

CURRENT MISSIONS

Provide electronics material support for systems and equipments under the cognizance of the Naval Command, Control and Ocean Surveillance Center, and to support the fleet readiness requirements of fleet commands and activities world wide. Specific geographic responsibilities are coordinated with NISE East. As the In-Service Engineering Agent (ISEA), **PROVIDES**:

- **System engineering and design support**
- **System integration, design and installation support**
- **Logistics analysis, requirements and planning**
- **Training analysis and support**
- **Program management, formulation and execution**

SPECIFIC SYSTEMS INCLUDE:

Shore Communications Systems
Shipboard Communication Systems
Submarine Communication Systems
Satellite Communication Systems
Intelligence Communications/Information Processing
Air Traffic Control
Environmental Systems
Mobile Portable Electronic Support Measures
Electromagnetic Environmental Effects
Ship and Aircraft Navigation
Radiation Detection, Indication and Computation
Non-Tactical Data Systems Information Networks
Surface and Aerospace Surveillance
Command, Control and Communications (C3) Systems
Information Security Systems
Command, Control and Communications (C3) Systems Countermeasures
Submarine Electronic Support Measures
Surface Electronic Support Measures
Electronic Warfare
Ocean Surveillance Systems
ISEA Support Center West
Mobile Communications Systems
General Purpose Electronic Test Equipment
Tactical Computers
Cryptologic support of COMNAVSECGRU
Computer Security
Cryptographic Equipment/Systems
Systems/Application Engineering
TEMPEST Field Testing
Information Technology Engineering

PROJECTED MISSIONS FOR FY 2001:

Shore Communications Systems
Shipboard Communication Systems
Submarine Communication Systems
Satellite Communication Systems
Intelligence Communications/Information Processing
Air Traffic Control
Environmental Systems
Mobile Portable Electronic Support Measures
Electromagnetic Environmental Effects
Ship and Aircraft Navigation
Radiation Detection, Indication and Computation
Non-Tactical Data Systems Information Networks
Surface and Aerospace Surveillance
Command, Control and Communications (C3) Systems
Information Security Systems
Command, Control and Communications (C3) Systems Countermeasures
Submarine Electronic Support Measures
Surface Electronic Support Measures
Electronic Warfare
Ocean Surveillance Systems
ISEA Support Center West
Mobile Communications Systems
General Purpose Electronic Test Equipment
Tactical Computers
Cryptologic support of COMNAVSECGRU
Computer Security
Cryptographic Equipment/Systems
Systems/Application Engineering
TEMPEST Field Testing
Information Technology Engineering
Fleet Complex Support (i.e., Naval Base San Diego, Naval Air Station North Island, CINCPAC/CINCPACFLT, SUBPAC, AIRPAC, SURFPAC, NCTAMS EASTPAC, NCTAMS WESTPAC. *

* Planned concept to integrate all C4I support under one support structure.

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

CURRENT UNIQUE MISSIONS

BRAC 91 established NCCOSC with unique missions and leadership responsibilities in C3I and Ocean Surveillance. These missions are performed by the coordinated tasking of the three NCCOSC divisions which includes NISE West. NISE West has numerous testbeds in support of specific unique program assignments within the NCCOSC mission. In addition, unique facilities at NISE West in support the NCCOSC mission include:

- Global Positioning System (GPS). The NISE West GPS test facility (GPS ISEASF) at Imperial Beach was designed with unique test equipment, which is specially designed for the Navy-unique GPS receiver operation. While numerous contractors and other government agencies are involved in the GPS program, the articulating 3D space facility is unique for Navy requirements.

- Marine Air Traffic Control and Landing Systems (MATCALS). Provides the only support for the Fleet Marine Force Marine Air Traffic Control Squadrons (MATCS). Maintains unique test beds and support for MATCALS systems.

PROJECTED UNIQUE MISSIONS FOR FY 2001

The above unique missions will continue into FY 2001.

Expansion in the Information Technology area is anticipated. NCCOSC currently provides world-wide tactical information management, technology, engineering, and development for the Navy and several joint systems. With advances in technology and the use of more COTS systems, the difference between tactical and administrative information management is blurred. The planned implementation of the Defense Messaging System which will use both tactical and administrative computer systems and networks is an example. Although many separate Navy commands and organizations are developing their own IT systems and some organizations have charters for specific areas, there is no single organization with the overall charter for the Navy other than NCCOSC's charter and mission for tactical data. Merging the tactical and administrative information technology systems has been assigned by NCCOSC to NISE West.

9. **IMMEDIATE SUPERIOR IN COMMAND (ISIC):** Identify your ISIC. If your ISIC is not your funding source, please identify that source in addition to the operational ISIC.

• Operational name	UIC
NCCOSC	N68940

•*Funding Source	UIC
SPAWAR	N00039
CNO	N00011
NAVSEA	N00024
NAVAIR	N00019
USMC	N00027
Coast Guard	N28938
COMNAVCOMTELCOM	N00063
Air Force	FB529492246
SPCC	N30482
CINCPACFLT	N00070

* Represents NISE West major funding sources based on FY94 estimates. Complete listing of funding sources and UICs is attached.

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

On Board Count as of 01 January 1994

	Officers	Enlisted	Civilian (Appropriated)
• *Reporting Command	9	7	1009

NOTE: Includes our detached units which are tenants of other commands, as noted in paragraph 5. The numbers for our personnel at these sites have been provided to host commands for inclusion in their respective responses to Data Call Number One.

• Tenants (total)	0	0	0

*Breakdown:			
• NISE West	4	6	570
• NISE West Detachment Vallejo	2	1	245
• NISE West Activity Pearl Harbor	1	0	134
• NISE West Facility Guam	1	0	25
• NISE West Facility Japan	1	0	35

Authorized Positions as of 30 September 1994

	Officers	Enlisted	Civilian (Appropriated)
• *Reporting Command	11	12	1034

NOTE: Includes our detached units which are tenants of other commands, as noted in paragraph 5. The numbers for our personnel at these sites have been provided to host commands for inclusion in their respective responses to Data Call Number One.

• Tenants (total)	0	0	0

*Breakdown:			
• NISE West	3	2	621
• NISE West Detachment Vallejo	4	4	213
• NISE West Activity Pearl Harbor	2	0	136
• NISE West Facility Guam	1	0	25
• NISE West Facility Japan	1	6	39

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

Title/Name	Office	Fax	Home
Commanding Officer, NISE West PETER S. PIERPONT CAPT, USN	(619) 524-2000	(619) 524-3274	(619) 233-1103
Executive Director FRANK E. GORDON	(619) 524-2395	(619) 524-2813	(619) 453-5955

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

• Tenants residing on main complex (shore commands)

Tenant Command Name	UIC	Officer	Enlisted	Civilian
None.				

• Tenants residing on main complex (homeported units)

Tenant Command Name	UIC	Officer	Enlisted	Civilian
None.				

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

Tenant Command Name	UIC	Location	Officer	Enlisted	Civilian
None.					

• Tenants (Other than those identified previously)

Tenant Command Name	UIC	Location	Officer	Enlisted	Civilian
None.					

NOTE: Upon title transfer of Air Force Plant 19 to the Navy in mid-FY-94, NISE West will be the host. Immediate tenants will be Martin-Marietta (formerly General Dynamics, Space Systems Division) and NAVSEACENPAC.

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

NISE West (Support provided by personnel at all sites)	Location	Support function (include mechanism such as ISSA, MOU, etc.
SPAWAR	World-wide	Engineering management, life cycle, support , acquisition and integration of naval electronic systems and equipments. Funding documents/MOA
NAVSEA	World-wide	Engineering management, life cycle, support , acquisition and integration of naval electronic systems and equipments. Funding documents/MOA
NAVCOMTELCOM	World-wide	Engineering, installation, acquisition, integration and life cycle support for Navy telecommunication systems. Tasking/Funding Documents/MOA
NAVAIR	World-wide	Engineering, acquisition and life cycle support for Naval and Marine Corp Air Stations. MOA
US Coast Guard	World-wide	Engineering, design, procurement and installation support. MOA
NAVINT	World-wide	Engineering, management support, acquisition, installation and life cycle support. MOA
Commandant, USMC	World-wide	Engineering, management support, acquisition, installation and life cycle support. MOA
CINCPAC/CINCPACFLT	Pearl Harbor, HI	C4I engineering, management support, acquisition, installation and life cycle support. Funding Documents/ MOA
COMSUBPAC	Pearl Harbor, HI	C4I installation, engineering support Funding Documents
COMNAVAIRPAC	Pearl Harbor, HI	C4I installation and engineering support. Funding Documents.

NCTAMS	EASTPAC	Communications systems installation and engineering support. Funding Documents
NCTAMS	WESTPAC	Communications systems installation and engineering support under funding documents.
COMNAVSURFPAC	World-wide	C4I installation and engineering support. Funding Documents.
COMNAVSURFLANT	World-wide	C4I installation and engineering support Funding Documents
COMNAVSECGRU	World-wide	Engineering, acquisition management, installation and life cycle support. Funding Documents
COMUSFORCESJAPAN	Japan	C4I installation and engineering support. Funding Documents
COMUSFORCESKOREA	Korea	C4I installation and engineering support Funding Documents
CNO	World-wide	C4I engineering, management support, acquisition, installation and life cycle support under funding documents. MOA
National Science Foundation (NSF)	Antarctica	Engineering, acquisition and life cycle support of air traffic control and landing system. MOA
SPCC	CONUS	Navy module repair and restoration efforts for cognizant systems including configuration management, technical/ engineering support, verification/ certification and management support.
Air Force Space Command	CONUS	Support GPS Joint Program Office (JPO) Joint Test Agency (JTA) as a participating Global Positioning System (GPS) laboratory. Funding Documents

Multiple DOD activities (Navy, Air Force, Army and Coast Guard)	San Diego	NISE West module repair and restoration operations routinely services all major operational commands with more than 5,000 pieces of equipment serviced yearly.
Fleet	Pacific Fleet	C4I engineering, fleet applications and introduction, testing, integration, technical assistance and coordination.

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

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

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

• Aerial photo(s). Aerial shots should show all base use areas (both land and water) as well as any local encroachment sites/issues. You should ensure that these photos provide a good look at the areas identified on your Base Map as areas of concern/interest - remember, a picture tells a thousand words. Again, date and label all copies. (Provide 12 copies of each, 8½"x 11".)

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

FUNDING SOURCES - COMPLETE LISTING

• **Funding Source** (In UIC Numerical Order)	UIC
CNO	N00011
NAVINTCOM	N00015
NAVAIR	N00019
NAVSEA	N00024
USMC	N00027
SPAWAR	N00039
CINCLANT	V00060
CINCLANTFLT	N00060
COMNAVCOMTELCOM	N00063
USACOM	N00066
CINCPACFLT	N00070
Atlantic Fleet Weapons Training Center, Puerto Rico	N0017A
NAS Jacksonville	N00207
NAS Key West	N00213
NAS North Island	N00246
NAWC	N00396
COMNAVSECGRU	N00849
NCTAMS EASTPAC	N00950
Pacific Missile Range Facility (PMRF), Kekaha, HI	N0534A
Coast Guard	N28938
SPCC	N30482
PEO/SCS	N35721
COMNAVSURFPAC	N35944
COMSUBLANT	N44426
COMSUBPAC	N44427
COMNAVAIRLANT	N44453
CNTECHTRA	N45926
USATLCOM	N46645
PACOPSUPPFAC Pearl Harbor	N47701
COMNAVSURFPAC	N53824
COMNAVSURFLANT	N53825
COMNAVAIRLANT	N57012
COMNAVAIRPAC	N57025
NAS Oceana Virginia Beach	N60190
NAS FALLON NV	N60495
NAVWPNSTA Seal Beach	N60701
NISE East Detachment Washington DC	N62852
PACNAVFACENGCOM	N62742
COMUSFORCES Japan	N62874
NATTC Memphis	N63093

Attachment 1

PACIFIC Missile Test Center	N63126
NSWCDIV	N63394
DISA	N63415
CARIBROC	N64134
NISE East	N65236
NISE East Detachment Norfolk	N65580
NADEP	N65888
NAVILCO	N65916
NRaD	N66001
COMNAVRESFOR	N66734
FOSIF Japan	N66970
Marine Corps	N67025
JICPAC	N68389
MCTSSA	N68909
NCTAMS WESTPAC	N70243
JCS	N85821
Air Force	FB529492246

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDING OFFICER

KAREN M. MACDOUGALL
LCDR, USN
NAME (Please type or print)

Karen M. MacDougall
Signature

Acting Commanding Officer
Title

8 February 1994
Date

Naval Command, Control and Ocean
Surveillance Center, In-Service Engineering,
West Coast Division
Activity

UIC: 68944

Certified Data: Naval Command, Control and Ocean Surveillance Center, ISE West Coast Division, San Diego - BRAC 95 Data Call Number One

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

NEXT ECHELON LEVEL (if applicable)

J. J. Donegan, Jr
NAME (Please type or print)

Commander
Title

Naval Control, Command and Ocean Surveillance Center
Activity

Signature

Date

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

MAJOR CLAIMANT LEVEL

W. H. Cantrell
NAME (Please type or print)

Commander
Title

Space and Naval Warfare Systems Command
Activity

W. H. Cantrell
Signature

2/14/94
Date

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

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

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

ACTING
Title

J B Greene Jr
Signature

16 FEB 94
Date

223

Complete Revision

BRAC-95

DATA CALL NUMBER FOUR

Data for

Naval Command, Control and Ocean
Surveillance Center, ISE West Coast Division
San Diego, CA

CAPACITY ANALYSIS:
DATA CALL #4 WORK SHEET FOR
TECHNICAL CENTER or LABORATORY: **NISEWEST SAN DIEGO CA (UIC N68944)**

GENERAL NOTE:

1. Differences in the financial data submitted in this Data Call represent the most accurate and current information available and does not in all cases agree with the May 16, 1994 submission.

2. NISEWEST detachment sites and field offices will no longer be functionally independent activities as of mid FY95 due to significant reorganization driven by previous BRAC and right sizing decisions. To achieve the greatest efficiency possible while operating with a smaller work force at multiple field sites, business operations, technical and administrative functions, have been integrated, and are managed and operated at the Division level. Budget and workload data requested by this data call is no longer routinely available at the individual detachment level. However, this data call response for NISEWEST SAN DIEGO CA includes budget and workload data for NISEWEST including that of its Vallejo Detachment estimated as best can be determined for the functions still there at this time. All functions, facilities and personnel are scheduled to be fully integrated in San Diego by mid FY95.

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TAB A: Ship Berthing Capacity
TAB B: Operational Airfield Capacity
TAB C: Depot Level Maintenance Capacity
TAB D: Ordnance Storage Capacity

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

7 April 1994

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

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

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

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

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

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

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

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

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

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

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

Table 1.1 Historical and Projected Workload for NISEWEST SAN DIEGO CA (UIC N68944)

Fiscal Year	Total Funds Budgeted ($K)	Total Funds Received w/o Direct Cite ($K)	Direct Cite Funds Received ($K)	Budgeted Wkyrs	Actual In-House Wkyrs	Actual Onsite Contract Wkyrs
86	158456	136190	22266	558	575	91
87	138162	116197	21965	600	624	91
88	138304	115270	23034	621	606	89
89	116432	96271	20160	662	639	85
90	123536	87661	12035	606	617	95
91	122935	108117	14818	616	591	87
92	120944	95332	25612	616	616	134
93	156964	135839	21126	605	595	139
***94**	109872			622		
95	314723			775		
96	195161			662		
97	216317			631		

* FY94 actuals plus projections as of 6/1/94.

Table 1.2 Historical and Projected Workload for Detachments of NISEWEST SAN DIEGO CA (VALLEJO CA UIC N63274)

Fiscal Year	Total Funds Budgeted ($K)	Total Funds Received w/o Direct Cite ($K)	Direct Cite Funds Received ($K)	Budgeted Wkyrs	Actual In-House Wkyrs	Actual Onsite Contract Wkyrs
86	89131	76607	12524	374	357	210
87	81142	68242	12900	370	345	215
88	88424	73697	14727	353	328	218
89	84312	69714	14599	332	332	222
90	93193	102906	14127	338	314	229
91	104722	92099	12623	327	301	247
92	98954	77999	20955	328	283	254
93	128426	111141	17285	257	234	231
94	89895			235		
95	*			*		
96	*			*		
97	*			*		

*FY94-FY97 - Vallejo not budgeted separately. Integral part of NISEWEST San Diego DBOF Budget. As of mid-FY95, move of remaining programs and personnel to San Diego will be complete.

TABLE 1.3 FY 1993 BREAKOUT OF FUNDS BUDGETED for NISEWEST SAN DIEGO CA (UIC N68944)

SPONSOR	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR FORCE															342
ARMY															
CINCLANT									3						
CINCPAC									2389						1152
COAST GUARD															581
MARINE CORP															411
NAVAIR					246				4373	347	7410	27	559		
NAVSEA					700				4182		12799		3993		
NSGC									1562						662
SPAWAR					1451				35918		38333		1921		1086
SPCC															9349
SURFLANT									22						53
SURFPAC									22						1540
OTHER NAVY									12074		6449			72	6936

TABLE 1.3 FY 1994 BREAKOUT OF FUNDS BUDGETED for NISEWEST SAN DIEGO CA (UIC N68944)

SPONSOR	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR FORCE								40							94
ARMY															494
CINCLANT									2						
CINCPAC															368
COAST GUARD															677
MARINE CORP					706										3075
NAVAIR					32				2081	3577	6480		949		63
NAVSEA				140	1922				1989		9860		1581		
NSGC									446						273
SPAWAR				52	2346				11622	257	27522		2532	1616	5928
SPCC									157						7476
SURFLANT									14						185
SURFPAC									14						185
OTHER NAVY								58	2966		5959			1515	4619

TABLE 1.3 FY 1995 BREAKOUT OF FUNDS BUDGETED for NISEWEST SAN DIEGO CA (UIC N68944)

SPONSOR	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR FORCE															57
ARMY															1086
CINCLANT									16						
CINCPAC									0						
COAST GUARD															1709
MARINE CORP															6052
NAVAIR				135	3408				4837	11380	28146		985		
NAVSEA				290	1426				0		12573		7335		
NSGC															
SPAWAR				906	4840			2058	40644	129	118808		5422	5454	
SPCC									812						18163
SURFLANT									50						
SURFPAC									86					400	
OTHER NAVY								891	12542		4513			7566	11982

TABLE 1.3 FY 1996 BREAKOUT OF FUNDS BUDGETED for NISEWEST SAN DIEGO CA (UIC N68944)

SPONSOR	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR FORCE															117
ARMY															841
CINCLANT									12						
CINCPAC									730						
COAST GUARD															1071
MARINE CORP											262				4530
NAVAIR				103	902				3406	5271	12032		763		
NAVSEA				222	669								4828		
NSGC															
SPAWAR				861	1542			1594	27255	100	87674		4137	2783	
SPCC									626						11351
SURFLANT									37						
SURFPAC									70					308	
OTHER NAVY								691	3486		2176			5511	9200

TABLE 1.3 FY 1997 BREAKOUT OF FUNDS BUDGETED for NISEWEST SAN DIEGO CA (UIC N68944)

SPONSOR	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR FORCE															171
ARMY															922
CINCLANT									13						
CINCPAC									692						
COAST GUARD															1211
MARINE CORP															4954
NAVAIR				115	986				3766	5767	12205		835		
NAVSEA				244	733								5282		
NSGC									0						0
SPAWAR				911	1614			1744	29555	108	96428		4285	3671	
SPCC									686						12419
SURFLANT									41						
SURFPAC									78					337	
OTHER NAVY								755	3956		3729			5339	12765

TABLE 1.4 FY 1993 BREAKOUT OF FUNDS BUDGETED for DETACHMENTS of NISEWEST SAN DIEGO CA (VALLEJO CA UIC N63274)

SPONSOR	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR FORCE															280
ARMY															
CINCLANT									3						
CINCPAC									1955						943
COAST GUARD															475
MARINE CORP															3696
NAVAIR					202				3578	284	6063	22	457		
NAVSEA					573				3421		10472		3267		
NSGC									1278						542
SPAWAR					1962				29392		33839		1572		889
SPCC															1039
SURFLANT									18						44
SURFPAC									18						1260
OTHER NAVY									9878		5270			59	5675

TABLE 1.4 FY 1994 BREAKOUT OF FUNDS BUDGETED for DETACHMENTS of NISEWEST SAN DIEGO CA
(VALLEJO CA UIC N63274)

SPONSOR	RDT&E(N)							Other RDT&E	Other Appropriation						
	6.1	6.2	6.3a	6.3b	6.4	6.5	6.6		OMN	APN	OPN	WPN	SCN	Other Navy	All Other
AIR FORCE								32							76
ARMY															405
CINCLANT									2						
CINCPAC															301
COAST GUARD															554
MARINE CORP					577										2516
NAVAIR					26				1703	2927	5302		777		51
NAVSEA				114	1572				1627		8067		1294		
NSGC									365						224
SPAWAR				42	1919				9509	210	22518		2071	1323	4851
SPCC									129						6116
SURFLANT									12						151
SURFPAC									12						151
OTHER NAVY								48	2426		4876			1240	3779

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

For your Site:

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

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

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

Table 2.1 Main Site Class 2 Assets of NISEWEST SAN DIEGO CA (UIC N68944)

Building type	NAVFAC (P-80) category code	Gross Floor/Building Area (KSF)			
		Adequate	Sub-standard	In-adequate	Total
Operational & Training	100				
Maintenance & Production	200		55.3		55.3
Science labs	310				
Aircraft labs	311				
Missile and Space labs	312				
Ship and Marine labs	313				
Ground Transportation labs	314				
Weapon and Weapon Systems labs	315				
Ammunition, Explosives, & Toxics labs	316				
Electrical Equip. labs	317				
Propulsion labs	318				
Miscellaneous labs	319				
Underwater Equip. labs	320				
Technical Services labs	321				
Supply Facilities	400				
Hospital & other Medical	500				
Administrative Facilities	600				
Housing & Community	700				
Utilities & Grounds	800	6.3			6.3
Other					
	Totals	6.3	55.3		61.6

d. In accordance with NAVFACINST 11010.44E, an Inadequate facility cannot be made Adequate for its present use through "economically justifiable means". For all the categories above where Inadequate facilities are identified provide the following information: **NONE**

Table 2.2 Main Site Class 2 Space of NISEWEST SAN DIEGO CA (UIC N68944) Assigned to Tenants

TENANT		NAVFAC (P-80) Category Code	GF/BA Assigned (KSF)
Name	UIC		
NONE			
		Total:	NONE

Table 2.3 Class 2 Space Utilized/Leased by NISEWEST SAN DIEGO CA (UIC N68944)

Building type	NAVFAC (P-80) category code	GF/BA (KSF)			
		Adequate	Sub-standard	In-adequate	Total
Operational & Training	100		4.8		4.8
Maintenance & Production	200	8.8	184.7		193.5
Science labs	310				
Aircraft labs	311				
Missile and Space labs	312				
Ship and Marine labs	313				
Ground Transportation labs	314				
Weapon and Weapon Systems labs	315				
Ammunition, Explosives, and Toxics labs	316				
Electrical Equip. labs	317				
Propulsion labs	318				
Miscellaneous labs	319				
Underwater Equip. labs	320				
Technical Services labs	321				
Supply Facilities	400				
Hospital & other Medical	500				
Administrative Facilities	600		57.1		57.1
Housing & Community	700				
Utilities & Grounds	800				
Other					
	Totals	8.8	246.6		255.4

Note: See notes on the following page.

Notes:

1. Plant Account Holders
   a. NAVSTA SAN DIEGO CA, UIC N00245
   b. NAS NORTH ISLAND SAN DIEGO CA, UIC N00246
   c. MARINE CORPS BASE CAMP PENDLETON, UIC N67858
   d. NAF IMPERIAL BEACH, SAN DIEGO CA, UIC N00246

2. Leassor
   a. Title: General Dynamics
   b. SF: 236,950 SF
   c. Cost: $322,252 (maintenance and utility costs)

   For your Detachment sites not receiving this Data Call directly:

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

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

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

Table 2.4 Class 2 Assets of NISEWEST SAN DIEGO CA (UIC N68944) Occupied by Detachments

Building type	NAVFAC (P-80) category code	GF/BA (KSF)			
		Adequate	Sub-standard	In-adequate	Total
Operational & Training	100				
Maintenance & Production	200				
Science labs	310				
Aircraft labs	311				
Missile and Space labs	312				
Ship and Marine labs	313				
Ground Transportation labs	314				
Weapon and Weapon Systems labs	315				
Ammunition, Explosives, and Toxics labs	316				
Electrical Equip. labs	317				
Propulsion labs	318				
Miscellaneous labs	319				
Underwater Equip. labs	320				
Technical Services labs	321				
Supply Facilities	400				
Hospital & other Medical	500				
Administrative Facilities	600				
Housing & Community	700				
Utilities & Grounds	800				
Other					
	Totals	NONE	NONE	NONE	NONE

h. In accordance with NAVFACINST 11010.44E, an Inadequate facility cannot be made Adequate for its present use through "economically justifiable means". For all the categories above where Inadequate facilities are identified provide the following information: **NONE**

Table 2.5 Class 2 Space at Detachment Sites of NISEWEST SAN DIEGO CA (UIC N68944) Assigned to Tenants

TENANT		NAVFAC (P-80) Category Code	GF/BA (KSF) Assigned
Name	UIC		
NONE			
		Total:	NONE

Table 2.6 Class 2 Space Utilized/Leased by Detachments of NISEWEST SAN DIEGO CA (UIC N68944))

Building type	NAVFAC (P-80) category code	GF/BA (KSF)			
		Adequate	Sub-standard	In-adequate	Total
Operational & Training	100	11.2			11.2
Maintenance & Production	200	254.6	686.9	14.6	956.1
Science labs	310				
Aircraft labs	311				
Missile and Space labs	312				
Ship and Marine labs	313				
Ground Transportation labs	314				
Weapon and Weapon Systems labs	315				
Ammunition, Explosives, and Toxics labs	316				
Electrical Equip. labs	317				
Propulsion labs	318				
Miscellaneous labs	319				
Underwater Equip. labs	320				
Technical Services labs	321				
Supply Facilities	400				
Hospital & other Medical	500				
Administrative Facilities	600	70.4	16.9		87.3
Housing & Community	700				
Utilities & Grounds	800				
Other					
	Totals	336.2	703.8	14.6	1054.6

Note:
Data in this table reflects the square footage of NISEWEST 's Vallejo detachment. As required under BRAC-91 decisions, this site will close. Personnel and functions will relocate to San Diego.

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

a. What is the maximum quantity of space that could be made available for expansion to accommodate other functions and/or increased efforts? Report in terms of the "Current NFA" as shown in Tables 3.1 & 3.2. __0__ SQFT.

b. How much of the space reported in question 3.a. above is currently available with minimal or no reconfiguration costs? Report in terms of the "Current NFA" as shown in Tables 3.1 & 3.2. __0__ SQFT.

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

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

Table 3.1 Constrained Class 2 Space Available for Expansion at NISEWEST SAN DIEGO CA (UIC N68944)

Building # / Category Code (3 digit)	Current NFA (KSF)	Additional Capacity Provided By Expansion		Height of High Bay (FT)	Estimated Cost of Rehab ($K's)
		NFA (KSF)	# of Personnel		
Totals	NONE				NONE

Table 3.2 Unconstrained Class 2 Space Available for Expansion at NISEWEST SAN DIEGO CA (UIC N68944)

Building # / Category Code (3 digit)	Current NFA (KSF)	Additional Capacity Provided By Expansion		Height of High Bay (FT)	Estimated Cost of Rehab ($K's)
		NFA (KSF)	# of Personnel		
Totals					NONE

4. Class 1 Space Available for Expansion

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

b. Are there any constraints such as parking, utilities, legal restrictions that limit the potential for using Undeveloped land for expansion?

Utilities are not present on the property but are available in the surrounding area, the normal construction restriction do apply and parking is very limitied.

c. Explain the radio frequency constraints/opportunities within your Class 1 holdings.

Due to the high number of user's in the San Diego area obtaining frequencies is very difficult and time consuming and must be requested on an individual basis. The proximity of the San Diego Airport furthur restricts the opportunities and usages.

Table 4.1 Class 1 Resources of NISEWEST SAN DIEGO CA (UIC N68944)
Site Location: SAN DIEGO

Land Use	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Maintenance				
Operational				
Training				
R & D				
Supply & Storage				
Admin				
Housing				
Recreational				
Navy Forestry Program				
Navy Agricultural Outlease Program				
Hunting/Fishing Programs				
Other				
Total:	NONE	NONE	NONE	NONE

d. Of the total Unrestricted Acres reported above, how much of it has existing roads and/or utilities that could support expansion efforts? 0 Acres. Explain.

5. Base Infrastructure Capacity. Provide base infrastructure data as of 31 March 1994. Provide numbered notes to explain imminent changes, additions & deletions driven by previous BRAC realignments, MILCON (including BRAC related MILCON) & Special Projects that are currently programmed in the FYDP. Give the project number & title, cost, short description, quantity of additional square footage, award date, estimated/actual construction start date and estimated BOD.

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

Table 5.1 Base Infrastructure Capacity & Load

	On Base Capacity	Off base long term contract	Normal Steady State Load	Peak Demand
Electrical Supply (KWH)	NONE	800,000	321,420	617,800
Natural Gas (CFH)	NONE	10 CFH	1/2 CFH	2 CFH
Sewage (GPD)	NONE	1500 GPD	700 GPD	1100 GPD
Potable Water (GPD)	NONE	1000 GPD	600 GPD	870 GPD
Steam (PSI & lbm/Hr)	NONE	NONE	NONE	NONE
Long Term Parking	NONE	NONE	NONE	NONE
Short Term Parking	75	NONE	NONE	NONE

Note; Figures reflect only the Taylor Street complex

b. Maintenance, Repair & Equipment Expenditure Data: Use Table 5.2 below to provide data on facilities and equipment expenditures at your activity. Project expenditures to FY 1997. Do not include data on Detachments who have received this Data Call directly. Do not report this information if you are a tenant activity. The following definitions apply:

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

M1/R1 and M2/R2 expenditures.

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

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

Table 5.2 Maintenance, Repair & Equipment Expenditure Data for NCCOSC ISE WC DIV (UIC: 68944)

Fiscal Year	MRP ($M)	CPV ($M)	ACE ($M)
1985		8.0	22.0
1986		8.3	22.7
1987		8.5	23.3
1988		8.7	24.0
1989	1.3	9.0	24.7
1990	1.0	9.3	25.5
1991	1.3	9.6	26.3
1992	1.8	9.9	27.1
1993	2.6	10.0	64.1
1994	2.8	27.8	66.1
1995	3.5	128.6	68.0
1996	3.8	132.5	70.1
1997	4.1	136.4	72.2

Notes:
1) Increase in CPV in 1994 due to completion of BRAC Construction at Air Force Plant 19.
2) Increase in CPV in 1995 due to assumption of Class 1 and Class 2 property at Air Force Plant 19.

5c. Training Facilities. NISEWEST has no formal schools. Responses to questions 5c(1) and 5c(2) are none.

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

NONE

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

NONE

8. Depot Level Maintenance Capacity.

See TAB C.

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

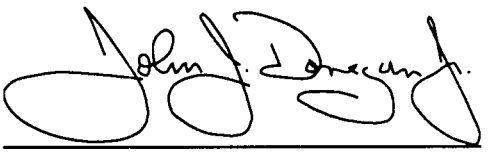
NONE

BRAC-95 CERTIFICATION

Certified Data: BRAC 95 Data Call Number Four - NISEWEST SAN DIEGO CA

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

NEXT ECHELON LEVEL (if applicable)



J. J. DONEGAN
NAME (Please type or print)

SIGNATURE

Commander
Title

30 JUNE 1994
Date

Naval Command, Control and Ocean
Surveillance Center
Activity

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

MAJOR CLAIMANT LEVEL

W. H. CANTRELL
NAME (Please type or print)

Signature

Commander
Title

22 JULY 1994
Date

Space and Naval Warfare
Systems Command
Activity

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

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

NAME (Please type or print)

Signature

Title

8/4/94
Date

Activity

BRAC DATA CALL #4
CAPACITY ANALYSIS

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

PETER S. PIERPONT
Captain, U.S. Navy
NAME (Please type or print)


Signature

Commanding Officer
Title

30 JUN 1994
Date

Naval Command, Control and Ocean
Surveillance Center, ISE West Coast Division
Activity

TAB C

DEPOT LEVEL MAINTENANCE CAPACITY

NOTE: As indicated in the "GENERAL NOTE" found at the front of this data call response, data contained in this Section provides integrated budget and workload data for NISEWEST SAN DIEGO CA and its Vallejo Detachment.

Maintenance and Industrial Activities

Activities that actually perform Depot Level Maintenance shoudl complete **PART I** of this TAB. Warfare Center Headquarters (Owners & Operators) whose subordinate activities actually perform Depot Level Maintenance should complete **PART II** of this TAB. Depot and/or industrial workload capacity is to be reported as a function of the following categories for the period requested.

JCSG-DM: Maintenance and Industrial Activities

Commodity Groups List

1. Aircraft Airframes:
   - Rotary
   - VSTOL
   - Fixed Wing
     - Transport / Tanker / Bomber / Command and Control
     - Light Combat
     - Admin / Training
   - Other

2. Aircraft Components
   - Dynamic Components
   - Aircraft Structures
   - Hydraulic/Pneumatic
   - Instruments
   - Landing Gear
   - Aviation Ordnance
   - Avionics/Electronics
   - APUs
   - Other

3. Engines (Gas Turbine)
   - Aircraft
   - Ship
   - Tank
   - Blades / Vanes (Type 2)

4. Missiles and Missile Components
   - Strategic
   - Tactical / MLRS

5. Amphibians
   - Vehicles
   - Components (less GTE)

6. Ground Combat Vehicles
   - Self-propelled
   - Tanks
   - Towed Combat Vehicles
   - Components (less GTE)

7. Ground and Shipboard Communications and Electronic Equipment
   - Radar
   - Radio Communications
   - Wire Communications
   - Electronic Warfare
   - Navigational Aids
   - Electro-Optics / Night Vision
   - Satellite Control / Space Sensors

8. Automotive / Construction Equipment

9. Tactical Vehicles
   - Tactical Automotive Vehicles
   - Components

10. Ground General Purpose Items
    - Ground Support Equipment (except aircraft)
    - Small Arms / Personal Weapons
    - Munitions / Ordnance
    - Ground Generators
    - Other

11. Sea Systems
    - Ships
    - Weapons Systems

12. Software
    - Tactical Systems
    - Support Equipment

13. Special Interest Items
    - Bearings Refurbishment
    - Calibration (Type I)
    - TMDE

14. Other

Refer to the following notes when filling out the tables in this TAB.

Notes:

1. "Production" equates to the number of items processed per Fiscal Year (FY), unless otherwise specified.

2. Base your responses for FY 1994 and previous years on executed workload, and for FY 1995 and subsequent years on workload as programmed. Unless otherwise specified, use workload mixes as programmed. In estimating projected workload capabilities, use the Activity's configuration as of completion of implementation of the BRAC-88/91/93 actions.

3. Use single shift operations (1-8-5) as the basis for your calculations. Report in specified units of throughput and Direct Labor Man Hours (DLMHs).

4. If any responses are classified, so annotate the applicable question and include those responses in a separate classified annex.

5. Capacity Index and Utilization Index will be calculated in accordance with the Defense Depot Maintenance Council approved update to Department of Defense Instruction (DoDInst) 4151.15H, "Depot Maintenance Capacity/Utilization Index Measurement."

6. The Major Owner/Operator questions will be answered by the Major Claimant/Systems Commander.

7. Utilize the tables provided to answer each question. Answer the questions for all of the commodity groups that are applicable to your activity. In the Aircraft Airframes and Engines (Gas Turbine) commodity groups break out the information by aircraft type, model, series or by engine type as applicable when filling out the tables.

PART I: MAINTENANCE & INDUSTRIAL ACTIVITIES

1. Historic and Predicted Workload

1.1 Given the current configuration and operation of your activity, provide the depot/industrial level maintenance by commodity group (from the List above) that was executed in and is programmed for the Fiscal Years (FY) requested in units throughput (Tables 1.1.a and 1.1.b) and in Direct Labor Man Hours (DLMHs) (Tables 1.1.c and 1.1.d). Add additional rows as required to report all commodity types serviced at this activity.

Table 1.1.a: **Historic and Predicted Depot/Industrial Workload**

Commodity Type	Throughput (Units)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
7.Ground and Shipboard Communications and Electronic Equipment								
Radio Communications	15446	13788	16791	21998	22015	28384	30356	22493
Electronic Warfare	110	112	112	120	145	120	120	110
Navigational Aids	800	800	800	850	855	855	900	900
Total:	16,356	14,700	17,703	22,968	22,985	29,359	31,376	23,503

Table 1.1.b: **Historic and Predicted Depot/Industrial Workload**

Commodity Type	Throughput (Units)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
7. Ground and Shipboard Communications and Electronic Equipment								
Radio Communications	24417	28415	32916	32828	34826	34727	35727	35726
Electronic Warfare	83	85	84	72	74	73	73	74
Navigational Aids	1000	1000	1000	1100	1100	1200	1200	1200
Total:	25,500	29,500	34,000	34,000	36,000	36,000	37,000	37,000

Table 1.1.c: **Historic and Predicted Depot/Industrial Workload**

Commodity Type	Throughput (DLMHs)							
	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993
7. Ground and Shipboard Communications and Electronic Equipment								
Radio Communications	188005	166990	195422	196807	204100	254800	344300	267800
Electronic Warfare	63500	65600	70000	72000	65000	50000	36100	24000
Navigational Aids	88600	87500	88500	89950	89900	90100	88000	79000
Total:	340,105	320,090	353,922	358,757	359,000	394,900	468,400	371,000

Table 1.1.d: **Historic and Predicted Depot/Industrial Workload**

Commodity Type	Throughput (DLMHs)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
7. Ground and Shipboard Communications and Electronic Equipment								
Radio Communications	248896	251456	257557	267700	263884	273220	289020	290000
Electronic Warfare	18000	22500	20500	15000	22500	17500	18000	18200
Navigational Aids	68000	65000	65000	64500	65000	65000	66000	66000
Total:	334,896	338,956	343,057	347,200	351,384	355,720	373,020	374,200

The NISE West Depot is projecting a modest increase in workload for the following reasons:

- New systems. We are developing repair capability on several systems that are transitioning from OEM support to Navy in-house support. Those systems scheduled for transition in the near future include: AN/USC-38, AN/UPX-29, AN/USQ-101, MINI-DAMA, and the AN/UGC-136 and 143 TTY systems.

- Aggressive Marketing. Depot planning and management personnel have developed an aggressive marketing plan for ensuring that customers and potential customers are aware of our current and expanding capabilities and our quality service. Marketing efforts include:

  - Participation in interservice competition for workload
  - Assisting Fleet management in projecting and satisfying future repair requirements.
  - Review of other non-DOD government agency requirements.
  - Increasing the awareness of HQ program managers of San Diego's capability to provide maintenance support.

    - Increase the awareness of Fleet units of our capability to repair older equipment as the Last Source of Repair within the Navy.

- Working with SPAWAR maintenance management personnel to direct SPAWAR cognizant systems and equipment to the NISE West depot as the preferred repair facility of choice.

- Cryptographic systems are being directed to San Diego as the only West Coast Cryptographic Repair Facility for screening and repair. This includes a large developing workload on STU-III equipment. Workload is being negotiated on this and other Cryptographic equipment with the Coast Guard.

- Workload that was moved out of San Diego is being reassigned to this Depot.

- San Diego is participating in repair of equipment being removed from decommissioned ships for return to supply for reissue to the Fleet.

- We have and are developing expanded technological capability for screening and fault diagnostics of more sophisticated and a broader range of electronic systems through the use of ATE in the Depot.

1.2 For each commodity type reported in Tables 1.1.a through 1.1.d, assume (a) the current projected total depot / industrial workload remains as assigned; (b) that sufficient production demand is available to justify maximum hiring, optimum (repeat order manufacturing lead times) procurement, and maximum equipment support; and (c) no major MILCON additional to that already programmed: what is the maximum extent to which depot / industrial maintenance operations could be expanded at this activity, based on the current and future planned workload mixes, for the requested period? Please provide your response in both the absolute maximum number of units and DLMHs that could be processed at this activity by applicable commodity group. Add additional rows as necessary to accommodate all commodity types serviced at this activity.

Table 1.2.a: **Maximum Potential Depot/Industrial Workload**

Commodity Type	Throughput (Units)						
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
7. Ground and Shipboard Communications and Electronic Equipment							
Radio Communications	34200	35700	37690	37690	38580	38580	38580
Electronic Warfare	100	100	110	110	120	120	120
Navigational Aids	1200	1200	1200	1200	1300	1300	1300
Total:	35,500	37,000	39,000	39,000	40,000	40,000	40,000

Table 1.2.b: **Maximum Potential Depot/Industrial Workload**

Commodity Type	Throughput (DLMHs)							
	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
7. Ground and Shipboard Communications and Electronic Equipment								
Radio Communications	260000	260000	270000	290000	290000	290000	290000	290000
Electronic Warfare	30000	30000	30000	30000	30000	38000	38000	38000
Navigational Aids	89850	89850	95900	97300	97300	100000	100000	100000
Total:	379,850	379,850	395,900	417,300	417,300	428,000	428,000	428,000

1.3 Provide details of your calculations including assumptions on additional space utilized, major equipment required, production rates, and constraints that limit increased workload by commodity group at this activity.
N/A

1.4 Given an environment unconstrained by funds or manning, what Industrial Plant Equipment (IPE) would you change (add, delete, or modify) to increase your activity's capability to perform workload in each of the applicable commodity groups? Describe quantitatively how the changes above would increase your activity's depot/industrial level maintenance capabilities. What would the associated costs be? What would be the payback period and return on investment?

Because we are currently running a single shift operation, production can effectively be doubled through the addition of a 2nd shift without additional funds requirements for IPE.

1.5 Are there any environmental, legal, or otherwise limiting factors that inhibit further the development of depot/industrial level workload and this activity (AICUZ encroachment, pollutant discharge, etc.)?

NO

2. Workload Summary

2.1 Enter the information from the Predicted and Potential Workload sections of the previous question into the table below and calculate the variance between projected and potential workloads. Again, clearly identify each commodity and include all commodities serviced at this activity.

Table 2.1.a: **PREDICTED WORKLOAD VARIANCE FOR FY 1995**

FY 1995 Commodity Type	Product (units)			DLMHs		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
7. Ground and Shipboard Communications and Electronic Equipment						
Radio Communications	28415	34299	5785	251456	260000	8544
Electronic Warfare	83	100	17	22500	30000	7500
Navigational Aids	1000	1200	200	65000	89850	24850
Total	N/A	N/A	N/A	338,956	379,850	40,894

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

Table 2.1.b: **PREDICTED WORKLOAD VARIANCE FOR FY 1996**

FY 1996 Commodity Type	Product (units)			DLMHs		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
7. Ground and Shipboard Communications and Electronic Equipment						
Radio Communications	32916	35700	2784	257557	270000	12443
Electronic Warfare	84	100	16	20500	30000	9500
Navigational Aids	1000	1200	200	65000	95900	30900
Total	N/A	N/A	N/A	343,057	395,900	52,843

1 This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

Table 2.1.c: **PREDICTED WORKLOAD VARIANCE FOR FY 1997**

FY 1997 Commodity Type	Product (units)			DLMHs		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
7. Ground and Shipboard Communications and Electronic Equipment						
Radio Communications	32828	37690	4862	267700	290000	22300
Electronic Warfare	72	110	38	15000	30000	15000
Navigational Aids	1100	1200	100	64500	97300	32800
Total	N/A	N/A	N/A	347,200	417,300	70,100

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

Table 2.1.d: **PREDICTED WORKLOAD VARIANCE FOR FY 1998**

FY 1998 Commodity Type	Product (units)			DLMHs		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
7. Ground and Shipboard Communications and Electronic Equipment						
Radio Communications	34826	37690	2864	263884	290000	26116
Electronic Warfare	74	110	36	22500	30000	7500
Navigational Aids	1100	1200	100	65000	97300	32300
Total	N/A	N/A	N/A	351,384	417,300	65,916

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

Table 2.1.e: **PREDICTED WORKLOAD VARIANCE FOR FY 1999**

FY 1999 Commodity Type	Product (units)			DLMHs		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
7. Ground and Shipboard Communications and Electronic Equipment						
Radio Communications	34727	38580	3853	273220	290000	16780
Electronic Warfare	73	120	47	17500	38000	20500
Navigational Aids	1200	1300	100	65000	100000	35000
Total	N/A	N/A	N/A	355,720	428,000	72,280

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

Table 2.1.f: **PREDICTED WORKLOAD VARIANCE FOR FY 2000**

FY 2000 Commodity Type	Product (units)			DLMHs		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
7. Ground and Shipboard Communications and Electronic Equipment						
Radio Communications	35727	38580	2853	289020	290000	980
Electronic Warfare	73	120	47	18000	380000	20000
Navigational Aids	1200	1300	100	66000	100000	34000
Total	N / A	N / A	N / A	373,020	395,900	54,980

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

Table 2.1.g: **PREDICTED WORKLOAD VARIANCE FOR FY 2001**

FY 2001 Commodity Type	Product (units)			DLMHs		
	Predicted Workload	Potential Workload	Variance	Predicted Workload	Potential Workload	Variance
7. Ground and Shipboard Communications and Electronic Equipment						
Radio Communications	35726	38580	2854	290000	290000	0
Electronic Warfare	74	120	46	18200	38000	19800
Navigational Aids	1200	1300	100	66000	100000	34000
Total	N/A	N/A	N/A	374,240	428,000	53,800

[1] This workload is not duplicative of any previously reported workload. Detail all production categorized as "other".

PART II: HEADQUARTERS (MAJOR OWNERS & OPERATORS)

1. Interservicing Candidates

1.1 Specify all depot and/or industrial workload programs, performed by any of your activities, that are possible candidates for interservicing, *both* in to and out from the activity. Provide detailed supporting data for your recommendations.

NOT APPLICABLE

2. Core Requirements

2.1 Given the current programmed configuration and operation for these activities, provide the projected Core Workload, Directed workload, Core "Plus" Workload, and Workload required to be retained to meet the Secretary of the Navy's Title 10 responsibilities. Within each Fiscal Year (FY) requested, provide your response in Units of throughput (where applicable) and Direct Labor Man Hours (DLMHs) for the categories in the following Tables. Core workload includes all Core work performed for other Military Departments (please specify such work within each commodity category).

- Core workload calculations are to be performed in accordance with the Office of the Under Secretary of Defense (Logistics) (OUSD(L)) Memorandum dated 15 November 1993 (subject: "Policy for Maintaining Core Depot Maintenance Capability").

- Directed workload includes: Foreign Military Sales (FMS); Low Quantity Non-Core; Low Quantity Above Core; Best Value; Engineering Support; and Last Source of Repair. Directed workload is tabulated in Section 2.2, following.

- Core-Plus workload is the sum of Core workload and Directed workload.

- Title 10 workload is that portion of Core workload that must be retained within the Department of the Navy in order to meet the Secretary of the Navy's Title 10 responsibilities.

Table 2.1.a: **Workload Requirements FY 1993**

FY 1993 Commodity Type	Core Workload (DLMHs)			
	Core Workload	Directed Workload	Core "Plus" Workload	Title 10 Workload
7. Ground and Shipboard Communications and Electronic Equipment				
Radio Communications	87432	180368	267800	87432
Electronic Warfare	7836	16164	24000	7836
Navigational Aids	25857	53343	79200	25857
Total:	121,125	249,875	371,000	121,125

TAB C
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Table 2.1.b: **Workload Requirements FY 1994**

FY 1994 Commodity Type	Core Workload (DLMHs)			
	Core Workload	Directed Workload	Core "Plus" Workload	Title 10 Workload
7. Ground and Shipboard Communications and Electronic Equipment				
Radio Communications	87432	154307	241739	87432
Electronic Warfare	7836	13829	21664	7836
Navigational Aids	25857	45635	71493	25857
Total:	121,125	213,771	334,896	121,125

TAB C
UIC: N68944

Table 2.1.c: **Workload Requirements FY 1995**

FY 1995 Commodity Type	Core Workload (DLMHs)			
	Core Workload	Directed Workload	Core "Plus" Workload	Title 10 Workload
7. Ground and Shipboard Communications and Electronic Equipment				
Radio Communications	87432	157238	244670	87432
Electronic Warfare	7836	14091	21927	7836
Navigational Aids	25857	46052	72359	25857
Total:	121,125	217,831	338,956	121,125

TAB C
UIC: N68944

Table 2.1.d: **Workload Requirements FY 1996**

FY 1996 Commodity Type	Core Workload (DLMHs)			
	Core Workload	Directed Workload	Core "Plus" Workload	Title 10 Workload
7. Ground and Shipboard Communications and Electronic Equipment				
Radio Communications	87432	160198	247630	87432
Electronic Warfare	7836	14357	22192	7836
Navigational Aids	25857	47377	73235	25857
Total:	121,125	221,932	343,057	121,125

TAB C
UIC: N68944

Table 2.1.e: **Workload Requirements FY 1997**

FY 1997 Commodity Type	Core Workload (DLMHs)			
	Core Workload	Directed Workload	Core "Plus" Workload	Title 10 Workload
7. Ground and Shipboard Communications and Electronic Equipment				
Radio Communications	87432	163188	250620	87432
Electronic Warfare	7836	14625	22460	7836
Navigational Aids	25857	48262	74119	25857
Total:	121,125	226,075	347,199	121,125

TAB C
UIC: N68944

Table 2.1.f: **Workload Requirements FY 1998**

FY 1998 Commodity Type	Core Workload (DLMHs)			
	Core Workload	Directed Workload	Core "Plus" Workload	Title 10 Workload
7. Ground and Shipboard Communications and Electronic Equipment				
Radio Communications	87432	166209	253641	87432
Electronic Warfare	7832	14895	22731	7832
Navigational Aids	25857	49155	75012	25857
Total:	121,121	230,259	351,384	121,121

TAB C
UIC: N68944

Table 2.1.g: **Workload Requirements FY 1999**

FY 1999 Commodity Type	Core Workload (DLMHs)			
	Core Workload	Directed Workload	Core "Plus" Workload	Title 10 Workload
7. Ground and Shipboard Communications and Electronic Equipment				
Radio Communications	87432	169338	256770	87432
Electronic Warfare	7832	15176	23012	7832
Navigational Aids	25857	50081	75938	25857
Total:	121,121	234,595	355,720	121,121

TAB C
UIC: N68944

Table 2.1.h: **Workload Requirements FY 2000**

FY 2000 Commodity Type	Core Workload (DLMHs)			
	Core Workload	Directed Workload	Core "Plus" Workload	Title 10 Workload
7. Ground and Shipboard Communications and Electronic Equipment				
Radio Communications	87432	181820	269258	87432
Electronic Warfare	7832	16295	24131	7832
Navigational Aids	25857	53774	79631	25857
Total:	121,121	251,895	373,020	121,121

TAB C
UIC: N68944

Table 2.1.i: **Workload Requirements FY 2001**

FY 2001 Commodity Type	Core Workload (DLMHs)			
	Core Workload	Directed Workload	Core "Plus" Workload	Title 10 Workload
7. Ground and Shipboard Communications and Electronic Equipment				
Radio Communications	87432	182707	270139	87432
Electronic Warfare	7832	16374	24210	7832
Navigational Aids	25857	54034	79892	25857
Total:	121,121	253,115	374,240	121,121

TAB C
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2.2 Given the current programmed configuration and operation of the NADEPs, provide the projected Directed Workload. Within each Fiscal Year (FY) requested, provide your response in units throughput (where available) and Direct Labor Man Hours (DLMHs) for the categories requested.

- Foreign Military Sales (FMS) include airframe, engine and component maintenance and manufacturing support.

- Modifications (Mods) include *only those modifications* performed concurrently with scheduled depot level work packages constituting Core workload.

- Low Quantity Non-Core (LQNC) is that Non-Core workload with insufficient programmed quantity for competition. This category also includes above threshold Core workload for weapons systems which have a total projected workload greater than the computed core quantity (above core workload).

- Best Value (BV) includes items that have been offered for maintenance under competitive rules and no offerer has provided a bid that is equal to or better than the value provided by a current organic source.

- Engineering Support (Engr) consists of Engineering Support to field, modify, operate, and maintain aviation weapon systems (i.e. RCM analysis, defining maintenance intervals, developing maintenance concepts, modification management, industrial support, investigations, bulletins and flight safety, and environmental issues).

- Last Source of Repair (LSOR) comprises Non-Core workload which has been offered for maintenance under competitive rules and no offerer has provided a bid, and for which a workload requirement exists and the organic depot is the only remaining source of repair.

Table 2.2.a: **Directed Workloads - FY 1993**

FY 1993 Commodity	Units Throughput						Total
	FMS	Mods	LQNC	BV	Engr	LSOR	
7. Ground and Shipboard Communications and Electronic Equipment							
Radio Communications	7088	1326	767	1143	892	210	11426
Electronic Communications	635	119	69	102	80	19	1024
Navigational Aids	2096	392	227	338	264	62	3379
FY 1993 Total:	9819	1837	1063	1583	1236	291	15829

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UIC: N68944

Table 2.2.b: **Directed Workloads - FY 1994**

FY 1994 Commodity	Units Throughput						Total
	FMS	Mods	LQNC	BV	Engr	LSOR	
7. Ground and Shipboard Communications and Electronic Equipment							
Radio Communications	7151	1302	922	1374	824	176	11749
Electronic Communictions	641	117	83	123	74	16	1054
Navigational Aids	2115	385	273	406	244	52	3475
FY 1994 Total:	9907	1804	1278	1903	1142	244	16278

TAB C
UIC: N68944

Table 2.2.c: **Directed Workloads - FY 1995**

FY 1995 Commodity	Units Throughput						Total
	FMS	Mods	LQNC	BV	Engr	LSOR	
7. Ground and Shipboard Communications and Electronic Equipment							
Radio Communications	8670	1668	1054	785	1244	264	13685
Electronic Warfare	777	150	94	70	111	24	1226
Navigational Aids	2564	493	312	233	368	78	4048
FY 1995 Total:	12011	2311	1460	1088	1723	366	18959

Table 2.2.d: **Directed Workloads - FY 1996**

FY 1996 Commodity	Units Throughput						Total
	FMS	Mods	LQNC	BV	Engr	LSOR	
7. Ground and Shipboard Communications and Electronic Equipment							
Radio Communications	9873	1909	1184	1195	1417	300	15878
Electronic Warfare	885	171	106	107	127	27	1423
Navigational Aids	2920	564	350	353	419	89	4695
FY 1996 Total:	13678	2644	1640	1655	1963	416	21996

TAB C
UIC: N68944

Table 2.2.e: **Directed Workloads - FY 1997**

FY 1997 Commodity	Units Throughput						Total
	FMS	Mods	LQNC	BV	Engr	LSOR	
7. Ground and Shipboard Communications and Electronic Equipment							
Radio Communications	9903	1908	1180	1251	1343	394	15979
Electronic Warfare	888	171	106	112	120	35	1432
Navigational Aids	2929	564	349	370	397	117	4726
FY 1997 Total:	13720	2643	1635	1733	1860	546	22138

TAB C
UIC: N68944

Table 2.2.f: **Directed Workloads - FY 1998**

FY 1998 Commodity	Units Throughput						Total
	FMS	Mods	LQNC	BV	Engr	LSOR	
7. Ground and Shipboard Communications and Electronic Equipment							
Radio Communications	10575	2001	1257	1314	1479	402	17028
Electronic Warfare	948	179	113	118	133	36	1527
Navigational Aids	3128	592	372	389	437	119	5037
FY 1998 Total:	14651	2772	1742	1821	2049	557	23592

TAB C
UIC: N68944

Table 2.2.g: **Directed Workloads - FY 1999**

FY 1999 Commodity	Units Throughput						Total
	FMS	Mods	LQNC	BV	Engr	LSOR	
7. Ground and Shipboard Communications and Electronic Equipment							
Radio Communications	10595	1899	1362	1356	1526	398	17136
Electronic Warfare	950	170	122	122	137	36	1537
Navigational Aids	3133	562	403	401	451	118	5068
FY 1999 Total:	14678	2631	1887	1879	2114	552	23741

TAB C
UIC: N68944

Table 2.2.h: **Directed Workloads - FY 2000**

FY 2000 Commodity	Units Throughput						Total
	FMS	Mods	LQNC	BV	Engr	LSOR	
7. Ground and Shipboard Communications and Electronic Equipment							
Radio Communications	11348	1969	1403	1260	1575	480	18035
Electronic Warfare	1017	176	126	113	141	43	1616
Navigational Aids	3356	582	415	373	466	142	5334
FY 2000 Total:	15721	2727	1944	1746	2182	665	24985

TAB C
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Table 2.2.i: **Directed Workloads - FY 2001**

FY 2001 Commodity	Units Throughput						Total
	FMS	Mods	LQNC	BV	Engr	LSOR	
7. Ground and Shipboard Communications and Electronic Equipment							
Radio Communications	11273	1998	1399	1324	1588	482	18064
Electronic Warfare	1010	179	125	119	142	43	1618
Navigational Aids	3334	591	414	392	470	143	5344
FY 2001 Total:	15617	2768	1938	1835	2200	668	25025

Table 2.3.a: **Directed Workloads - FY 1993**

FY 1993 Commodity	Directed Workload (DLMHs)						Total
	FMS	Mods	LQNC	BV	Engr	LSOR	
7. Ground and Shipboard Communications and Electronic Equipment							
Radio Communications	111884	20933	12109	18046	14076	3320	180368
Electronic Warfare	10027	1876	1085	1617	1261	298	16164
Navigational Aids	33089	6191	3581	5337	4163	982	53343
FY 1993 Total:	155000	29000	16775	25000	19500	4600	249875

TAB C
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Table 2.3.b: **Directed Workloads - FY 1994**

FY 1994 Commodity	Directed Workload (DLMHs)						Total
	FMS	Mods	LQNC	BV	Engr	LSOR	
7. Ground and Shipboard Communications and Electronic Equipment							
Radio Communications	93910	17105	12109	18046	10827	2310	154307
Electronic Warfare	8416	1533	1085	1617	970	207	13828
Navigational Aids	27773	5059	3581	5337	3202	683	45635
FY 1994 Total:	130099	23697	16775	25000	14999	3200	213770

TAB C
UIC: N68944

Table 2.3.c: **Directed Workloads - FY 1995**

FY 1995 Commodity	Directed Workload (DLMHs)						Total
	FMS	Mods	LQNC	BV	Engr	LSOR	
7. Ground and Shipboard Communications and Electronic Equipment							
Radio Communications	99613	19168	12109	9023	14293	3032	157238
Electronic Warfare	8927	1718	1085	809	1281	272	14092
Navigational Aids	29460	5669	3581	2668	4227	897	46502
FY 1995 Total:	138000	26555	16775	12500	19801	4201	217832

TAB C
UIC: N68944

Table 2.3.d: **Directed Workloads - FY 1996**

FY 1996 Commodity	Directed Workload (DLMHs)						Total
	FMS	Mods	LQNC	BV	Engr	LSOR	
7. Ground and Shipboard Communications and Electronic Equipment							
Radio Comunications	99613	19257	11946	12057	14293	3032	160168
Electronic Warfare	8927	1726	1071	1081	1281	272	14358
Navigational Aids	29460	5695	3533	3566	4227	897	47378
FY 1996 Total:	138000	26678	16550	16704	19801	4201	221934

TAB C
UIC: N68944

Table 2.3.e: **Directed Workloads - FY 1997**

FY 1997 Commodity	Directed Workload (DLMHs)						Total
	FMS	Mods	LQNC	BV	Engr	LSOR	
7. Ground and Shipboard Communications and Electronic Equipment							
Radio Communications	101129	19484	12047	12779	13718	4031	163188
Electronic Warfare	9063	1746	1080	1145	1229	361	14624
Navigational Aids	29908	5762	3563	3779	4057	1192	48261
FY 1997 Total:	140100	26992	16690	17703	19004	5584	226073

TAB C
UIC: N68944

Table 2.2.f: **Directed Workloads - FY 1998**

FY 1998 Commodity	Directed Workload (DLMHs)						Total
	FMS	Mods	LQNC	BV	Engr	LSOR	
7. Ground and Shipboard Communications and Electronic Equipment							
Radio Communications	103222	19530	12271	12827	14438	3920	166208
Electronic Warfare	9251	1750	1100	1150	1294	351	14896
Navigational Aids	30527	5776	3629	3793	4270	1159	49154
FY 1998 Total:	143000	27056	17000	17770	20002	5430	230258

TAB C
UIC: N68944

Table 2.3.g: **Directed Workloads - FY 1999**

FY 1999 Commodity	Directed Workload (DLMHs)						Total
	FMS	Mods	LQNC	BV	Engr	LSOR	
7. Ground and Shipboard Communications and Electronic Equipment							
Radio Communications	104691	18768	13462	13397	15083	3938	169339
Electronic Warfare	9382	1682	1206	1201	1352	353	15176
Navigational Aids	30962	5550	3981	3962	4461	1165	50081
FY 1999 Total:	145035	26000	18649	18560	20896	5456	234596

TAB C
UIC: N68944

Table 2.3.h: **Directed Workloads - FY 2000**

FY 2000 Commodity	Directed Workload (DLMHs)						Total
	FMS	Mods	LQNC	BV	Engr	LSOR	
7. Ground and Shipboard Communications and Electronic Equipment							
Radio Communications	114411	19850	14148	12705	15877	4837	181828
Electronic Warfare	10253	1779	1268	1138	1423	433	16294
Navigational Aids	33836	5871	4184	3757	4695	1431	53774
FY 2000 Total:	158500	27500	19600	17600	21995	6701	251896

TAB C
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Table 2.3.i: **Directed Workloads - FY 2001**

FY 2001 Commodity	Directed Workload (DLMHs)						Total
	FMS	Mods	LQNC	BV	Engr	LSOR	
7. Ground and Shipboard Communications and Electronic Equipment							
Radio Communications	114021	20211	14148	13390	16061	4876	182707
Electronic Warfare	10218	1811	1268	1200	1439	437	16373
Navigational Aids	33721	5977	4184	3960	4750	1442	54034
FY 2001 Total:	157960	27999	19600	18550	22250	6755	253114

TAB C
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3.Organization

3.1 Can the depot/industrial level workload be transferred to other sources such as other Navy activities, interservice to other DoD entities, or outsourced to commercial activities? Identify all applicable considerations to your recommendations.

YES. The repair workload can be transferred, interserviced, and/or outsourced. The NISE West Depot, however, already participates in competition for workload in the areas mentioned in the following ways:

- We have "won" on several systems in interservice competition with other DOD agencies.

- We operate Government-Owned, Contractor-Operated (GOCO) facilities wherein we determine the most efficient workload mix between contractor production and organic production.

- We compete, head-to-head, with contractors and other government agencies for SPCC workload.

- We provide a service that finds sources of repair for equipment repair requirements of other Navy agencies when our depot does not have the capability.

Aspects of the Depot that would limit flexibility in transferring, outsourcing, or interservicing all workload include stringent security, training, licensing and facility requirements associated with repair of cryptographic, other COMSEC, and RADIAC equipment.

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

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UIC N68944

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

SUBMISSION OF
NCCOSC ISE WEST COAST DIV SAN DIEGO CA
UIC: N68944

20 APRIL 1994

ENVIRONMENTAL DATA CALL

General Instructions:

Responses to the following questions provide data that will allow an assessment of the potential environmental impact associated with the closure or realignment of a Navy shore activity. This criterion consists of:

- Endangered/Threatened Species and Biological Habitat
- Wetlands
- Cultural Resources
- Environmental Facilities
- Air Pollution
- Environmental Compliance
- Installation Restoration
- Land/Air/Water Use

As part of the answers to these questions, a *source citation* (e.g., **1993** base loading, **1993** base-wide Endangered Species Survey, **1993** letter from USFWS, **1993** Base Master Plan, **1993** Permit Application, **1993** PA/SI, etc.) must be included. It is probable that, at some point in the future, you will be asked to provide additional information detailing specifics of individual characteristics. In anticipation of this request, supporting documentation (e.g., maps, reports, letters, etc.) regarding answers to these questions should be retained. Information needed to answer these questions is available from the cognizant EFD Planning and Real Estate Divisions, and Environment, Safety, and Health Divisions; and from the activity Public Works Department, and activity Health Monitoring and Safety Offices.

For purposes of the questions associated with land use at your base is *defined* as *land** (acreage owned, withdrawn, leased, and controlled through easements); *air* (space controlled through agreements with the FAA, e.g., MOAs); *and water* (navigation channels and waters along a base shoreline) *under the control of the Navy.*

* The only NISEWEST SAN DIEGO CA land is located at Taylor Street in San Diego.

Provide a list of the tenant activities with UICs that are covered in this response.

NISEWEST SAN DIEGO CA has no tenant activities.*

1. ENDANGERED/THREATENED SPECIES AND BIOLOGICAL HABITAT

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

SPECIES (plant or animal)	Designation (Threatened/ Endangered)	Federal/ State	Critical / Designated Habitat (Acres)	Important Habitat (acres)
example: Haliaeetus leucocephalus - bald eagle	*threatened*	*Federal*	*25*	*0*
None				

Source Citation:_____

1b.

Have your base operations or development plans been constrained due to: - USFWS or National Marine Fisheries Service (NMFS)? - State required modifications or constraints? If so, identify below the impact of the constraints including any restrictions on land use.	No
Are there any requirements resulting from species not residing on base, but which migrate or are present nearby? If so, summarize the impact of such constraints.	No

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

N/A

1d.

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

1e.

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

2. WETLANDS

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

2a.

Does your base possess federal jurisdictional wetlands?	No
Has a wetlands survey in accordance with established standards been conducted for your base?	No
When was the survey conducted or when will it be conducted?____/____/____	N/A
What percent of the base has been surveyed?	N/A
What is the total acreage of jurisdictional wetlands present on your base?	None

Source Citation:_____

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

2c. Has the EPA, COE or a state wetland regulatory agency required you to modify or constrain base operations or development plans in any way in order to accommodate a jurisdictional wetland?____No_____If YES, summarize the results of such modifications or constraints.

3. CULTURAL RESOURCES

3a.

Has a survey been conducted to determine historic sites, structures, districts or archaeological resources which are listed, or determined eligible for listing, on the National Register of Historic Places? If so, list the sites below.	Yes

No sites identified

3b.

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

3c.

Are there any on base areas identified as sacred areas or burial sites by Native Americans or others? List below.	No

4. ENVIRONMENTAL FACILITIES

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

4a.

Does your base have an operating landfill? . . . . . No					
ID/Location of Landfill	**Permitted Capacity (CYD)**		**Maximum Capacity (CYD)**	**Contents[1]**	**Permit Status**
	TOTAL	**Remaining**			

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

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

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

N/A

4c.

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

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

4d.

Does your base own/operate a Domestic Wastewater Treatment Plant (WWTP) ?					No
ID/Location of WWTP	**Permitted Capacity**	**Ave Daily Discharge Rate**	**Maximum Capacity**	**Permit Status**	**Level of Treatment/Year Built**

List permit violations and discuss any projects to correct deficiencies.

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

6,000 gallons per day

(Discharge limits for contaminants and flow are on next page)

4e. (con't)

Pollutant	Daily Max (mg/liter)
Cyanide	1.2
Cadmium	0.69
Chromium	2.77
Copper	3.38
Lead, total	0.69
Nickel	3.98
Silver	0.43
Zinc	2.61
Total toxic organics	2.13
Acids and alkalies	$5 < pH < 11$

No flow limits are given.

NISEWEST SAN DIEGO CA is in compliance with it's discharge permit.

4f.

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

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

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

No

4h.

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

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

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

Source is the City of San Diego; there are no limits on capacity.

4j.

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

4k.

Other than those described above does your base hold any NPDES or stormwater permits? If YES, describe permit conditions.	Yes
If NO, why not and provide explanation of plan to achieve permitted status.	

Permit Conditions:

Pollutant	Daily Max (mg/liter)
Cyanide	1.2
Cadmium	0.69
Chromium	2.77
Copper	3.38
Lead, total	0.69
Nickel	3.98
Silver	0.43
Zinc	2.61
Total toxic organics	2.13

4l.

Does your base have bilge water discharge problem?	NO
Do you have a bilge water treatment facility?	NO

Explain:

4m.

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

4n. What expansion capacity is possible with these Environmental Facilities? Will any expansions/upgrades as a result of BRACON or projects programmed through the Presidents budget through FY1997 result in additional capacity? Explain.

N/A

4o. Do capacity limitations on any of the facilities discussed in question 4 pose a present or future limitation on base operations? Explain.

N/A

5. AIR POLLUTION

5a.

What is the name of the Air Quality Control Areas (AQCAs) in which the base is located? San Diego Air Quality Management District
Is the installation or any of its OLFs or non-contiguous base properties located in different AQCAs? No List site, location and name of AQCA.

5b. For each parcel in a separate AQCA fill in the following table. Identify with and "X" whether the status of each regulated pollutant is: attainment/nonattainment/maintenance. For those areas which are in non-attainment, state whether they are: Marginal, Moderate, Serious, Severe, or Extreme. State target attainment year.

Site: NCCOSC ISE WEST COAST DIV SAN DIEGO CA AQCA: SAN DIEGO AQMD

Pollutant	Attainment	Non-Attainment	Maintenance	Target Attainment Year[1]	Comments[2]
CO		X Moderate		DEC 1995	See Note 3
Ozone		X Serious		2005	See Note 3
PM-10	X				
SO_2	X				
NO_2	X				
Pb	X				

[1] Based on national standard for Non-Attainment areas or SIP for Maintenance areas.

[2] Indicate if attainment is dependent upon BRACON, MILCON or Special Projects. Also indicate if the project is currently programmed within the Presidents FY1997 budget.

3 **Attainment of CO and Ozone standards in San Diego County is not dependent upon the expenditure of government funding at NISEWEST SAN DIEGO CA.**

5c. For your base, identify the baseline level of emissions, established in accordance with the Clean Air Act. Baseline information is assumed to be 1990 data or other year as specified. Determine the total level of emissions (tons/yr) for CO, NOx, VOC, PM10 for the general sources listed. For all data provide a list of the sources and show your calculations. Use known emissions data, or emissions derived from use of state methodologies, or identify other sources used. "Other Mobile" sources include such items as ground support equipment.

	Emission Sources (Tons/Year)				
Pollutant	Permitted Stationary	Personal Automobiles	Aircraft Emissions	Other Mobile	Total
CO	N/A	0.03	N/A	0.03	0.06
NOx	N/A	0.002	N/A	0.002	0.004
VOC	1.31	0.003	N/A	0.002	1.32
PM10	N/A	N/A	N/A	N/A	N/A

Source Document: EMISSION INVENTORY REPORT FOR NCCOSC ISE WEST COAST DIV SAN DIEGO CA IN 1991

Air emission sources: Paint booth operations (paints, thinners)
Wipe solvent cleaning of electronic equipment
Cold solvent dip tanks
Automobile and government vehicle emissions

Calculations: Amount of VOCs per year for stationary sources given in the source document. Amount of CO, NOx and VOC from vehicles calculated as follows:

Personal Automobiles:

1991 (baseline): 75 employees, average vehicle ridership is 1.1 per vehicle
average personal vehicle drives 0.5 miles per day on site
75 employees / 1.1 employees per vehicle = 68 vehicles

$$68 \frac{\text{VEH}}{\text{DAY}} \times 260 \frac{\text{DAYS}}{\text{YR}} \times 0.1 \frac{\text{MI on-base}}{\text{VEH}} \times \text{Emission Factor} \frac{\text{GR}}{\text{MI}} \times \frac{\text{LB}}{454\ \text{GR}} \times \frac{\text{TONS}}{2000\text{LB}}$$

Emission factors - CO is 13.6 grams/mile
NOx is 1.2 grams/mile
VOC is 1.4 grams/mile

Other Mobile:

$$12\ \text{GOVT} \frac{\text{VEH}}{\text{DAY}} \times 0.5 \frac{\text{MI}}{\text{VEH}} \times 260 \frac{\text{DAYS}}{\text{YEAR}} \times \text{Emission} \frac{\text{GR}}{\text{MI}} \times \frac{\text{LB}}{454\text{GR}} \times \frac{\text{TONS}}{2000\text{LB}}$$

5d. For your base, determine the total FY1993 level of emissions (tons/yr) for CO, NOx, VOC, PM10 for the general sources listed. For all data provide a list of the sources and show your calculations. Use known emissions data, or emissions derived from use of state methodologies, or identify other sources used. "Other Mobile" sources include such items as ground support equipment.

	Emissions Sources (Tons/Year)				
Pollutant	Permitted Stationary	Personal Automobiles	Aircraft Emissions	Other Mobile	Total
CO	N/A	0.03	N/A	0.03	0.06
NOx	N/A	0.002	N/A	0.002	0.004
VOC	0.61	0.003	N/A	0.002	0.62
PM10	N/A	N/A	N/A	N/A	N/A

Source Document: CRITERIA POLLUTANT EMISSIONS INVENTORY FOR 1993

Air emission sources: Paint booth operations (paints, thinners)
Wipe solvent cleaning of electronic equipment
Cold solvent dip tanks

Calculations:
Stationary emissions: (Amount of paints, thinners, solvents used) X VOC content per gallon
= VOCs emitted
= 1218 LBS/Year
= 0.61 TONS/Year

Personal Automobiles:

1993: 75 employees, average vehicle ridership is 1.2 per vehicle
average personal vehicle drives 0.5 miles per day on site
75 employees / 1.2 employees per vehicle = 68 vehicles

$$68\ \frac{VEH}{DAY} \times 260\ \frac{DAYS}{YEAR} \times .5\ \frac{MI}{VEH} \times \text{Emission Factor} \times \frac{GR}{MI} \times \frac{LB}{454GR} \times \frac{TONS}{2000LB}$$

Emission Factors: CO 13.6 GR/MI; NOx 1.2 GR/MI; VOC 1.4 GR/MI

Other Mobile: Same values and calculations as 1991.

5e. Provide estimated increases/decreases in air emissions (Tons/Year of CO, NOx, VOC, PM10) expected within the next six years (1995-2001). Either from previous BRAC realignments and/or previously planned downsizing shown in the Presidents FY1997 budget. Explain.

With the realignment of NISEWEST DET VALLEJO CA to San Diego and the transfer of Air Force Plant 19 to NISEWEST, there will be an increase in emissions attributed to NISEWEST from stationary sources as well as mobile sources in San Diego. Estimated increases above 1993 levels are:

CO = 1.53 tons/year
NOx = 0.13 tons/year
VOC = 0.29 tons/year

5f. Are there any critical air quality regions (i.e. non-attainment areas, national parks, etc.) within 100 miles of the base?

Non-attainment area: South Coast Air Quality Management District
National Park: Cleveland National Park

5g. Have any base operations/mission/functions (i.e.: training, R&D, ship movement, aircraft movement, military operations, support functions, vehicle trips per day, etc.) been restricted or delayed due to air quality considerations. Explain the reason for the restriction and the "fix" implemented or planned to correct.

No

5h. Does your base have Emission Reduction Credits (ERCs) or is it subject to any emission offset requirements? If yes, provide details of the sources affected and conditions of the ERCs and offsets.

Yes, offset requirements. Offset ratio is 1.2:1

Is there any potential for getting ERC's?

Yes, there is potential of obtaining ERC's from closing site.

6. ENVIRONMENTAL COMPLIANCE

6a. Identify compliance costs, currently known or estimated that are required for permits or other actions required to bring existing practices into compliance with appropriate regulations. Do not include Installation Restoration costs that are covered in Section 7 or recurring costs included in question 6c. For the last two columns provide the combined total for those two FY's.

Program	Survey Com-pleted?	Costs in $K to correct deficiencies					
		FY94	FY95	FY96	FY97	FY98-99	FY00-01
Air	YES	2	3	0	0	0	0
Hazardous Waste	YES	0	0	0	0	0	0
Safe Drinking Water Act	YES	3	2	0	0	0	0
PCBs	YES	0	0	0	0	0	0
Other (non-PCB) Toxic Substance Control Act	YES	0	0	0	0	0	0
Lead Based Paint	YES	0	0	0	0	0	0
Radon	YES	0	0	0	0	0	0
Clean Water Act	YES	0	0	0	0	0	0
Solid Waste	YES	2	2	0	0	0	0
Oil Pollution Act	YES	0	0	0	0	0	0
USTs	YES	0	0	0	0	0	0
Other	YES	0	0	0	0	0	0
Total		7	7	0	0	0	0

Provide a separate list of compliance projects in progress or required, with associated cost and estimated start/completion date.

ODS substitutes for solvents and freons - Completion date of Sep 95 -
Estimated cost = $5,000

Implementation of Backflow Prevention Program - Completion date of Sep 95 -
Estimated cost = $5,000

Implementing BMPs for stormwater management - Completion date of Mar 95 -
Estimated cost = $4,000

6b.

Does your base have structures containing asbestos? NO What % of your base has been surveyed for asbestos? 100% Are additional surveys planned? NO What is the estimated cost to remediate asbestos ($K). N/A Are asbestos survey costs based on encapsulation, removal or a combination of both? N/A

6c. Provide detailed cost of recurring operational (environmental) compliance costs, with funding source.

Funding Source	FY92	FY93	FY94	FY95	FY96	FY97	FY98-99	FY00-01
O&MN HA								
O&MN PA								
O&MN Other - DBOF	60	66	190	166	156	158	320	320
Other (specify)								
TOTAL	60	66	190	166	156	158	320	320

6d. Are there any compliance issues/requirements that have impacted operations and/or development plans at your base.
NO

7. INSTALLATION RESTORATION

7a.

Does your base have any sites that are contaminated with hazardous substances or petroleum products?	No
Is your base an NPL site or proposed NPL site?	No

7b. Provide the following information about your Installation Restoration (IR) program. Project list may be provided in separate table format. Note: List only projects eligible for funding under the Defense Environmental Restoration Account (DERA). Do not include UST compliance projects properly listed in section VI.

None

Site # or name	Type site [1]	Groundwater Contaminated?	Extends off base?	Drinking Water Source?	Cost to Complete ($M)/Est. Compl. Date	Status[2]/Comments

[1] Type site: CERCLA, 'RCRA corrective action (CA), UST or other (explain)

[2] Status = PA, SI, RI, RD, RA, long term monitoring, etc.

7c. Have any contamination sites been identified for which there is no recognized/accepted remediation process available? List.

NO

7d.

Is there a groundwater treatment system in place?	No
Is there a groundwater treatment system planned?	No

State scope and expected length of pump and treat operation.

7e.

Has a RCRA Facilities Assessment been performed for your base?	No

7f. Does your base operate any conforming storage facilities for handling **hazardous materials**? If YES, describe facility, capacity, restrictions, and permit conditions.
No

7g. Does your base operate any conforming storage facilities for handling **hazardous waste**? If YES, describe facility, capacity, restrictions, and permit conditions.

No

7h. Is your base responsible for any non-appropriated fund facilities (exchange, gas station) that require cleanup? If so, describe facility/location and cleanup required/status.

No

7i.

Do the results of any radiological surveys conducted indicate limitations on future land use? Explain below.	No

7j. Have any base operations or development plans been restricted due to Installation Restoration considerations?

No

7k. List any other hazardous waste treatment or disposal facilities not included in question 7b. above. Include capacity, restrictions and permit conditions.

None

8. LAND / AIR / WATER USE

8a. List the acreage of each real estate component controlled or managed by your base (e.g., Main Base - 1,200 acres, Outlying Field - 200 acres, Remote Range - 1,000 acres, remote antenna site - 5 acres, Off-Base Housing Area - 25 acres).

Parcel Descriptor	Acres	Location
Taylor Street Facility	3	San Diego, CA

8b. Provide the acreage of the land use categories listed in the table below:

LAND USE CATEGORY		ACRES
Total Developed: (administration, operational, housing, recreational, training, etc.)		3
Total Undeveloped (areas that are left in their natural state but are under specific environmental development constraints, i.e.: wetlands, endangered species, etc.)		Wetlands: 0
		All Others: 0
Total Undeveloped land considered to be without development constraints, but which may have operational/man caused constraints (i.e.: HERO, HERF, HERP, ESQD, AICUZ, etc.) TOTAL		0
Total Undeveloped land considered to be without development constraints		0
Total Off-base lands held for easements/lease for specific purposes		0
Breakout of undeveloped, restricted areas. Some restricted areas may overlap:	ESQD	
	HERF	
	HERP	
	HERO	
	AICUZ	
	Airfield Safety Criteria	
	Other	

8c. How many acres on your base (includes off base sites) are dedicated for training purposes (e.g., vehicular, earth moving, mobilization)? This does not include buildings or interior small arms ranges used for training purposes. None

8d. What is the date of your last AICUZ update? N/A Are any waivers of airfield safety criteria in effect on your base? Y/N Summarize the conditions of the waivers below.

8e. List the off-base land use *types* (e.g, residential, industrial, agricultural) and *acreage* within Noise Zones 2 & 3 generated by your flight operations and whether it is compatible/incompatible with AICUZ guidelines on land use.

Acreage/Location/ID	Zones 2 or 3	Land Use	Compatible/ Incompatible
N/A			

8f. List the navigational channels and berthing areas controlled by your base which require maintenance dredging? Include the frequency, volume, current project depth, and costs of the maintenance requirement.

Navigational Channels/ Berthing Areas	Location / Description	Maintenance Dredging Requirement			
		Frequency	Volume (MCY)	Current Project Depth (FT)	Cost ($M)
N/A					

8g. Summarize planned projects through FY 1997 requiring **new channel or berthing area** dredged depths, include location, volume and depth.

N/A

8h.

Are there available **designated dredge disposal areas** for maintenance dredging material? List location, remaining capacity, and future limitations.	N/A
Are there available **designated dredge disposal areas** for new dredge material? List location, remaining capacity, and future limitations.	N/A
Are the dredged materials considered contaminated? List known contaminants.	N/A

8.i. List any requirements or constraints resulting from consistency with **State Coastal Zone Management Plans**.

N/A

8j. Describe any **non-point source pollution problems affecting water quality** ,e.g.: coastal erosion.

None

8k.

If the base has a cooperative agreement with the US Fish and Wildlife Service and/or the State Fish and Game Department for conducting a hunting and fishing program, does the agreement or these resources constrain either current or future operations or activities? Explain the nature and extent of restrictions.	N/A

8l. List any other areas on your base which are indicated as protected or preserved habitat other than threatened/endangered species that have been listed in Section 1. List the species, whether or not treated, and the acres protected/preserved. N/A

9. WRAPUP

9a. Are there **existing or potential environmental showstoppers** that have affected or will affect the accomplishment of the installation mission that have not been covered in the previous 8 questions?

No

9b. Are there any **other environmental permits** required for base operations, include any relating to industrial operations.

Air permit for dry paint booth
Hazardous materials health permit

9c. Describe any **other environmental or encroachment restrictions** on base property not covered in the previous 8 sections.

None

9d. List **any future/proposed laws/regulations or any proposed laws/regulations** which will constrain base operations or development plans in any way. Explain.

No knowledge of any

BRAC-95 CERTIFICATION

Certified Data: BRAC 95 Data Call Number Thirty -Three- NISEWEST SAN DIEGO CA

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

MAJOR CLAIMANT LEVEL

W. H. CANTRELL
NAME (Please type or print)

W.H. Cantrell
Signature

Commander
Title

10 June 1994
Date

Space and Naval Warfare
Systems Command
Activity

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

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

D. W. DRENNON
NAME (Please type or print)

Signature

ACTING
Title

6/24/94
Date

Activity

BRAC-95 CERTIFICATION

Certified Data: BRAC 95 Data Call Number Thirty -Three- NISEWEST SAN DIEGO CA

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

NEXT ECHELON LEVEL (if applicable)

J. J. DONEGAN
NAME (Please type or print)

Signature

Commander
Title

9 June 1994
Date

Naval Command, Control and Ocean Surveillance Center
Activity

BRAC DATA CALL #33
Environmental

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

PETER S. PIERPONT
Captain, U.S. Navy
NAME (Please type or print)

Signature

Commanding Officer
Title

5/26/94
Date

Naval Command, Control and Ocean
Surveillance Center, ISE West Coast Division
Activity

223

BRAC-95

DATA CALL NUMBER TWELVE
AMENDMENT 1

Data for

Naval Command, Control and Ocean Surveillance Center, ISE West Coast Division San Diego, CA

Certified Data: BRAC 95 Data Call Number Twelve - NISEWEST SAN DIEGO CA
(Amendment Number 1)

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

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

P. W. DRENNON
NAME (Please type or print)

Signature

Acting
Title

10-24-94
Date

Activity

BRAC-95 CERTIFICATION

Certified Data: BRAC 95 Data Call Number Twelve - NISEWEST SAN DIEGO CA
(Amendment Number 1)

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

NEXT ECHELON LEVEL (if applicable)

G. A. KLEIN III
NAME (Please type or print)

Signature

Acting Commander
Title

20 October 1994
Date

Naval Command, Control and Ocean
Surveillance Center
Activity

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

The information contained herein is prepared primarily from data submitted in previous data calls. Breakdown of square footage for other than Lab space is based on best estimate available given the timeframe allotted and personnel available.

Total workyears for organizational elements are provided but personnel necessary to breakdown total WYS into type of WYS were not available in the timeframe allotted.

MAJOR CLAIMANT LEVEL

W. H. CANTRELL
NAME (Please type or print)

W. H. Cantrell
Signature

Commander
Title

10/20/94
Date

Space and Naval Warfare
Systems Command
Activity

BRAC DATA CALL #12
C4I CROSS SERVICE ANALYSIS

Reference: SECNAVNOTE 11000 of 08 December 1993

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

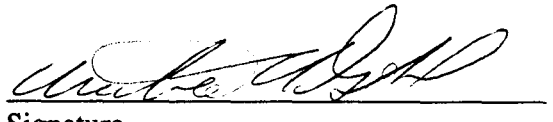
The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

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

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

ACTIVITY COMMANDER

MICHAEL T. GEHL
Captain, U.S. Navy
NAME (Please type or print)


Signature

Commanding Officer
Title

10/18/94
Date

Naval Command, Control and Ocean
Surveillance Center, ISE West Coast Division
Activity

DATA CALL TWELVE AMENDMENT ONE

1. Organization Chart (as of 30 Sep 94):

a. Show organization elements (those which report directly to the activity commander or report to a PEO.)

Organizational Relationships

CODE 200 **FUNCTION**	**PEO/PM**
SATELLITE COMM SHF/EHF	**SPAWAR PMW-156**
SATELLITE COMM AUTOMATED VHF	**SPAWAR PMW-156**
VLF COMMS	**SPAWAR PMW-153**
SPAWAR RESEARCH VLF/LF	**SPAWAR PMW-153**

CODE 300 **FUNCTION**	**PEO/PM**
LINK 16 - DATA LINK	**SPAWAR PMW-159**
JTIDS - AN/TSC-131 VANS	**SPAWAR PMW-159**
TESS - TACTICAL ENVIRONMENTAL	**SPAWAR PMW-175**
JTIDS - NAVAIR PORTION	**NAVAIR 4104D**
MARINE COMM - MOBILE COMM	**SPAWAR PMW-152**

CODE 400 **FUNCTION**	**PEO/PM**
ESM MAST	**NAVSEA PMO-401**
AN/WLQ-4(V)1	**NAVSEA PMO-401**
AN/WLR-1H	**NAVSEA PMO-401**
BGPHES	**SPAWAR PMW-163**
OUTBOARD	**SPAWAR PMW-163**
COMBAT DF	**SPAWAR PMW-163**

CODE 500 **FUNCTION**	**PEO/PM**
DEPOT	**SPAWAR PD-50**

Effective 2 October 1994, NISE West reorganized and the above organizational relationships changed. A copy of the new organizational chart has been provided.

EFFECTIVE 2 C)BER 1994
NISE W..ST

00
COMMANDING OFFICER
M.T. GEHL
CAPTAIN, USN

01
EXECUTIVE DIRECTOR
FRANK GORDON
SES

STAFF

00X	EXECUTIVE ASSISTANT	
	CARYE CONCHA	DA-343-III
	ASSISTANTS	
00X-V	KATHY FLANDERS	DG-303-III
00S	CAROL MCDANIEL	DG-344-III
00S1	ANN SIMNITT	DG-318-III

01A
ASSOCIATE EXECUTIVE DIRECTOR
MALCOLM MCCOLLUM
DP-855-IV

01AA	MAE BREWER	DP-343-IV
01A1	PAO	
	RICK BARNES	DA-1035-II
	ANNE GRUEL	DG-086-II
01A2	COMMAND EVALUATION	
	BOB KELLEY	DA-343-III
01A3	TECHNOLOGY TRANSFER	
	DIANA JACKSON	DP-301-III

00A
MILITARY LIAISON OFFICER (VALLEJO SITE)
JEFF HAILEY
LT, USN

00C
OFFICE OF COUNSEL

EVA ESCALANTE	DP-905-IV
MANUELA NAPIER	DP-905-IV
MAGGIE URIOSTIGUE	DG-986-II

NISE WEST ACTIVITY, HAWAII

OFFICER IN CHARGE
CAPTAIN R. POLKOWSKY, USN

09
TECHNICAL DIRECTOR
MIKE LOOK
DP-855-IV

00F
FLEET SUPPORT OFFICE

KAREN MACDOUGALL	LCDR, USN
VACANT	DP-855-III
JIM WILLIAMS	DP-1670-III
ROGER MCLAUGHLIN	DP-1670-III
BRUCE SIGWORTH	ETC, USN
GARY SWANSON	DT-856-III
ALEX TURNER	DT-856-III
JERRY HENDERSON	ETC (SW), USN
GLORIA SPARKS	DS-334-III
JOHN SEVCO	DP-855-III

NCCOSC ITEO

WES YAMAMOTO	NISE WEST
MARK REINIG	NISE WEST
PAUL DORIN, USN	NCCOSC

00P
HUMAN RESOURCES OFFICE
VALERIE VELCHEK
DP-301-III

10
BUSINESS OPERATIONS DEPARTMENT

MICHAEL SHRADER
DP-505-IV

20
COMMAND, CONTROL AND COMMUNICATIONS DEPARTMENT

GARY DRAGE
DP-855-IV

30
ELECTRONIC SYSTEMS ENGINEERING DEPARTMENT

DOUG JEDLICKA
DP-855-IV

09/21/93

NCCOSC ISE WEST COAST DIVISION

OOX	EXECUTIVE ASST	
	CARYE CONCHA (SD)	DA-343-III
OOX-V	KATHY FLANDERS (VJO)	DG-303-III
OOS	ADMIN ASST	
	CAROL MCDANIEL (SD)	DG-344-III
OOS1	SECRETARY	
	ANN SIMNITT (SD)	DG-318-III

OO
COMMANDING OFFICER
P. S. PIERPONT
CAPT., USN

90
EXECUTIVE DIRECTOR
FRANK GORDON SES

OOA OIC, VALLEJO DETACHMENT
LT DAVE RILING, USN (VJO) 1440/1460

OOB CHIEF OF STAFF
MAE BREWER (VJO) DP-343-III
(SEE SEPARATE CHART)

OOC OFFICE OF COUNSEL
EVA ESCALANTE (SD) DP-905-IV
MANUELA NAPIER (SD) DP-905-IV
MAGGIE URIOSTIGUE (SD) DG-986-II

OOL LINK PROJECT OFFICE
GARY DRAGE (SD) DP-830-IV
VACANT (SD) (VICE J. DAVIS) DP-855-III
TIM SCHOFIELD (SD) DP-855-III
KENNETH REGISTER (SD) DP-855-IV
CLYDE FLYNN (SD) DP-334-III
ANN NIXON (SD) DG-303-I
GARY NAWICKI (SD) LT, USN

OOZ BRAC FACILITIES ENGINEER
MIKE SHRADER (VJO) DP-856-IV

OOF FLEET SUPPORT OFFICE O-5
LT KAREN MCDOUGALL (SD) 1440
JIM KINSEY (VJO) DP-855-III
JIM WILLIAMS (SD) DP-1670-III
ROGER MCLAUGHLIN (SD) DS-1670-III
VACANT (VJO) (VICE PALMQUIST) DG-303-I
ETC SIGWORTH, USN (VJO)
GARY SWANSON (SD) DT-856-III
ALEX TURNER (SD) DT-856-III
JOHN BOSTON (SD) DT-856-III
ETCJ (SW) HENDERSON, USN (SD)

OOP HUMAN RESOURCES OFFICE
JUDI RILEY (SD) DP-201-III
(SEE SEPARATE CHART)

OOQ TQL PRINCIPAL
VACANT DP-III

NISE WEST ACTIVITY, HI.
OFFICER IN CHARGE
CDR R. POLKOWSKY, USN 09
TECHNICAL DIRECTOR
MIKE LOOK
(SEE SEPARATE CHART) DP-855-IV

100 BUSINESS DIRECTORATE
(SEE SEPARATE CHART) DP-855-IV

200 COMMUNICATIONS DIRECTORATE
(SATCOM & TERRESTRIAL)
(SEE SEPARATE CHART) DP-855-IV

300 COMMAND & CONTROL DIRECTORATE
(SEE SEPARATE CHART) DP-855-IV

400 OCEAN SURVEILLANCE & SPECIAL PROGRAMS DIRECTORATE
(SEE SEPARATE CHART) DP-855-IV

500 ATE AND RESTORATION DIRECTORATE
(SEE SEPARATE CHART) DP-855-IV

NISE-005 09/21/93

b. Describe the organizational relationships especially between support organizations and PEO/PMs.

NISE West reports to Commander, NCCOSC, who reports to COMSPAWARSYSCOM. For those PMs reporting to COMSPAWAR, there is therefore an organizational relationship in addition to the funding/technical relationship. For PEOs and PMs in other systems commands, there is only the funding/technical relationship.

The funding and technical relationship between the support organization (NISE West) and the PMs and PEOs varies significantly from program to program. At one end of the spectrum, NISE West is provided funding to accomplish tasking that is developed by the PM/PEO. Other programs have more NISE West involvement and cooperation with the PM/PEO in the development of the tasking prior to the funding/tasking being formally provided to NISE West. In a much smaller set of programs, NISE West has full program management responsibility, and develops and executes tasking in support of the program.

c. Summarize the Command's C4I acquisition / non-C4I acquisition level of effort.

Of the workyears executed in science and technology, engineering development and in-service engineering, only 5% (45 WYs of 832) are engaged in C4I acquisition. This Command is primarily an in-service engineering organization.

The Command's remaining 217 WYs consists of functions such as admin, supply, legal, contracting, logistics, public works etc. and support the functions listed above in about the same ratio.

2. For each organizational element:

a: Breakout five types of FY93 workyears (government, FFRDC on-site, FFRDC off-site, contract support on-site and contract support off-site) by the following seven job categories: engineering, logistics, contracting, financial, legal, management, and administrative & other.

Organizational Element: CODE 200 COMMUNICATIONS DIRECTORATE

FY-93 WORKYEARS (C4I ACQUISITION MANAGEMENT ONLY)						
	GOVT		FFRDC		CONTRACT SUPPORT	
	MIL	CIV	ON-SITE	OFF-SITE	ON-SITE	OFF-SITE
TOTAL*		4.6				

*Personnel necessary to break down total workyears into types of workyears were not available in the time allotted.

2.b. Number of square feet of space occupied broken out by: general office space, laboratory specific space, and other space (describe). Note if government owned or leased.

SPACE OCCUPIED (C4I ACQUISITION MANAGEMENT ONLY)			
	SF	OWNED	LEASED
GENERAL OFFICE SPACE**	600	X	
LABORATORY SPECIFIC SPACE (Note 1)**			
OTHER SPACE (DESCRIBE)**			

**Best estimates given the timeframe allotted and personnel available.

1. Lab specific space is under the ISE umbrella with no lab space provided for the C4I acquisition function.

2.d. Support office, list main programs.

SUPPORT OFFICE: CODE 200 COMMUNICATIONS DIRECTORATE

MAIN PROGRAMS -

* Satellite Comm. SHF/EHF
* Satellite Comm. Automated VHF
* VLF Comm.
* SPAWAR Research VLF/LF

TOTAL FY 93 PROGRAM FUNDS $1.5 M

2. For each organizational element:

a: Breakout five types of FY93 workyears (government, FFRDC on-site, FFRDC off-site, contract support on-site and contract support off-site) by the following seven job categories: engineering, logistics, contracting, financial, legal, management, and administrative & other.

Organizational Element: CODE 300 COMMAND & CONTROL DIRECTORATE

FY-93 WORKYEARS (C4I ACQUISITION MANAGEMENT ONLY)						
	GOVT		**FFRDC**		**CONTRACT SUPPORT**	
	MIL	**CIV**	**ON-SITE**	**OFF-SITE**	**ON-SITE**	**OFF-SITE**
TOTAL*		10.5				

*Personnel necessary to break down total workyears into types of workyears were not available in the time allotted.

2.b. Number of square feet of space occupied broken out by: general office space, laboratory specific space, and other space (describe). Note if government owned or leased.

SPACE OCCUPIED (C4I ACQUISITION MANAGEMENT ONLY)			
	SF	**OWNED**	**LEASED**
GENERAL OFFICE SPACE**	1080	X	
LABORATORY SPECIFIC SPACE (Note 1)**			
OTHER SPACE (DESCRIBE)**			

**Best estimates given the timeframe allotted and personnel available.

1. Lab specific space is under the ISE umbrella with no lab space provided for the C4I acquisition function.

2.d. Support office, list main programs.

SUPPORT OFFICE: CODE 300 COMMAND & CONTROL DIRECTORATE

MAIN PROGRAMS -

* LINK 16 - Data Link
* JTIDS - AN/TSC-131 VANS
* TESS - Tactical Environmental Support
* JTIDS - NAVAIR Portion
* Marine Comm - Mobile Communications

TOTAL FY 93 PROGRAM FUNDS $1.7 M

2. For each organizational element:

a: Breakout five types of FY93 workyears (government, FFRDC on-site, FFRDC off-site, contract support on-site and contract support off-site) by the following seven job categories: engineering, logistics, contracting, financial, legal, management, and administrative & other.

Organizational Element: CODE 400 OCEAN SURVEILLANCE & SPECIAL PROGRAMS DIRECTORATE

FY-93 WORKYEARS (C4I ACQUISITION MANAGEMENT ONLY)						
	GOVT		FFRDC		CONTRACT SUPPORT	
	MIL	CIV	ON-SITE	OFF-SITE	ON-SITE	OFF-SITE
TOTAL*		12.7				

*Personnel necessary to break down total workyears into types of workyears were not available in the time allotted.

2.b. Number of square feet of space occupied broken out by: general office space, laboratory specific space, and other space (describe). Note if government owned or leased.

SPACE OCCUPIED (C4I ACQUISITION MANAGEMENT ONLY)			
	SF	OWNED	LEASED
GENERAL OFFICE SPACE**	1588	X	
LABORATORY SPECIFIC SPACE (Note 1)**			
OTHER SPACE (DESCRIBE)**			

**Best estimates given the timeframe allotted and personnel available.

1. Lab specific space is under the ISE umbrella with no lab space provided for the C4I acquisition function.

2.d. Support office, list main programs.

SUPPORT OFFICE: CODE 400 OCEAN SURVEILLANCE & SPECIAL PROGRAMS DIRECTORATE

MAIN PROGRAMS -

* ESM MAST - Submarine Electronic Mast
* AN/WLQ-4(V)1 SSN-21 (SEAWOLF) ESM
* AN/WLR-1H SSN-768/773 ESM
* BGPHES - Battle Group Horizon Extension System
* OUTBOARD
* COMBAT DF - Combat DF System

TOTAL FY 93 PROGRAM FUNDS $1.5 M

2. For each organizational element:

a: Breakout five types of FY93 workyears (government, FFRDC on-site, FFRDC off-site, contract support on-site and contract support off-site) by the following seven job categories: engineering, logistics, contracting, financial, legal, management, and administrative & other.

Organizational Element: CODE 500 ATE & RESTORATION DIRECTORATE

FY-93 WORKYEARS (C4I ACQUISITION MANAGEMENT ONLY)						
	GOVT		**FFRDC**		**CONTRACT SUPPORT**	
	MIL	**CIV**	**ON-SITE**	**OFF-SITE**	**ON-SITE**	**OFF-SITE**
TOTAL*		0.2				

*Personnel necessary to break down total workyears into types of workyears were not available in the time allotted.

2.b. Number of square feet of space occupied broken out by: general office space, laboratory specific space, and other space (describe). Note if government owned or leased.

SPACE OCCUPIED (C4I ACQUISITION MANAGEMENT ONLY)			
	SF	**OWNED**	**LEASED**
GENERAL OFFICE SPACE**	120	X	
LABORATORY SPECIFIC SPACE (Note 1)**			
OTHER SPACE (DESCRIBE)**			

**Best estimates given the timeframe allotted and personnel available.

1. Lab specific space is under the ISE umbrella with no lab space provided for the C4I acquisition function.

2.d. Support office, list main programs.

SUPPORT OFFICE: CODE 500 ATE & RESTORATION DIRECTORATE

MAIN PROGRAMS -

* DEPOT - Depot Upgrade Planning

TOTAL FY 93 PROGRAM FUNDS $8.9 K

3. Map of the installation to include elements listed in 2:
a. annotate buildings to show location of each organizational element.

Locations shown are for C4I acquisition management functions only. Map is provided only for the San Diego Plant 19 site with the future locations annotated. Current locations in Vallejo and elsewhere in San Diego will be vacated.

b. Show location of available space in FY97.

Attached

c. show buildings with equipment/facilities which would be difficult to move or replicate. List such equipment with initial cost.

None for C4I acquisition.

d. describe potential space for consolidation in close proximity to the activity available in FY97, state distance to the activity and extenuating circumstances.

No space is available in close proximity. Space could be available at this activity - see question 4.

4. Estimate the capacity of the activity to absorb similar workyears with little or no modification of facilities.
Estimate the capacity of the activity to absorb similar workyears with major modifications and describe the nature of those modifications and estimated cost. Use FY97 as a baseline for such estimates.

With the acquisition of Air Force Plant 19 there exists the potential of accommodating an additional 1,200 - 1,500 man years with labs and support facilities if Martin Marrietta vacates the premises. Limited to admin, labs, and support facilities, the modifications would require approximately $15 - 20M in funding.

5. Describe the impact of BRAC 91 and BRAC 93 decisions on the activity and installation.

BRAC-91 decisions require in part the closure of the Naval Electronic Systems Center (NAVELEXCEN) San Diego, NAVELEXCEN Vallejo, the Naval Space Systems Activity (NAVSPASYSACT), Los Angeles, and Naval Ocean Systems Center Detachment Kaneohe, HI and the realignment of the Fleet Combat Direction Systems Support Activity (FCDSSA).

Closure/Realignment Actions Completed:

- **NAVSPASYSACT was disestablished effective 1 October 1992. Its functions have been transferred to NCCOSC RDT&E Division (NRAD).**

- **The NRAD Detachment Kaneohe, HI, formerly the NOSC Detachment Kaneohe, HI was disestablished on 30 September 1993. All functions and personnel were transferred to NCCOSC activities in Pearl Harbor, HI and San Diego, CA during 1992 and the first nine months of 1993.**

- **The FCDSSA realignment was completed with its disestablishment on 5 April 1992 and its simultaneous merger with NRAD. The former FCDSSA personnel remained in place and were collocated with NCCOSC Headquarters as tenants of the Fleet Combat Training Center Pacific, San Diego, CA.**

Actions in Progress. The remaining BRAC-91 implementation actions involve the closures of NAVELEXCEN San Diego and NAVELEXCEN Vallejo and their consolidation as a single command, NCCOSC ISE West Coast Division (NISE West), located at former Air Force Plant 19 in San Diego, CA. The remainder of this summary plan deals with these closures and NISE West consolidation.

NISE West Plan: On 1 October 1992 NAVELEXCEN San Diego and NAVELEXCEN Vallejo were disestablished and consolidated administratively into a new command, NISE West, headquartered at Air Force Plant 19 in San Diego. Naval Electronic Engineering Activity, Pacific (NEEACTPAC) was concurrently realigned as a NISE West Activity in Pearl Harbor, HI to continue functions formerly conducted by NEEACTPAC and NOSC Detachment Kaneohe, HI. Relocation of NISE West personnel and functions from Vallejo to San Diego started in FY-92 and will continue through FY-95 at which time the facilities at Vallejo (Mare Island Naval Shipyard) will be returned to the host activity.

6. Describe military department approved and programmed plans which will impact or have impacted the activity and organization.

None other than the BRAC impacts described above.

7. Collocated C4I organizations.
a. List organization:

NAVSEACENPAC is collocated with NISE West in Air Force Plant 19.

b. Summarize overall mission:

Tenant's mission: to provide direct support to fleet and type commanders for

waterfront technical and logistics services and onboard maintenance training associated with the installation, operation, maintenance, and readiness of shipboard equipment and systems. NAVSEACENPAC's C4I responsibility and involvement is a very minor portion of their mission.

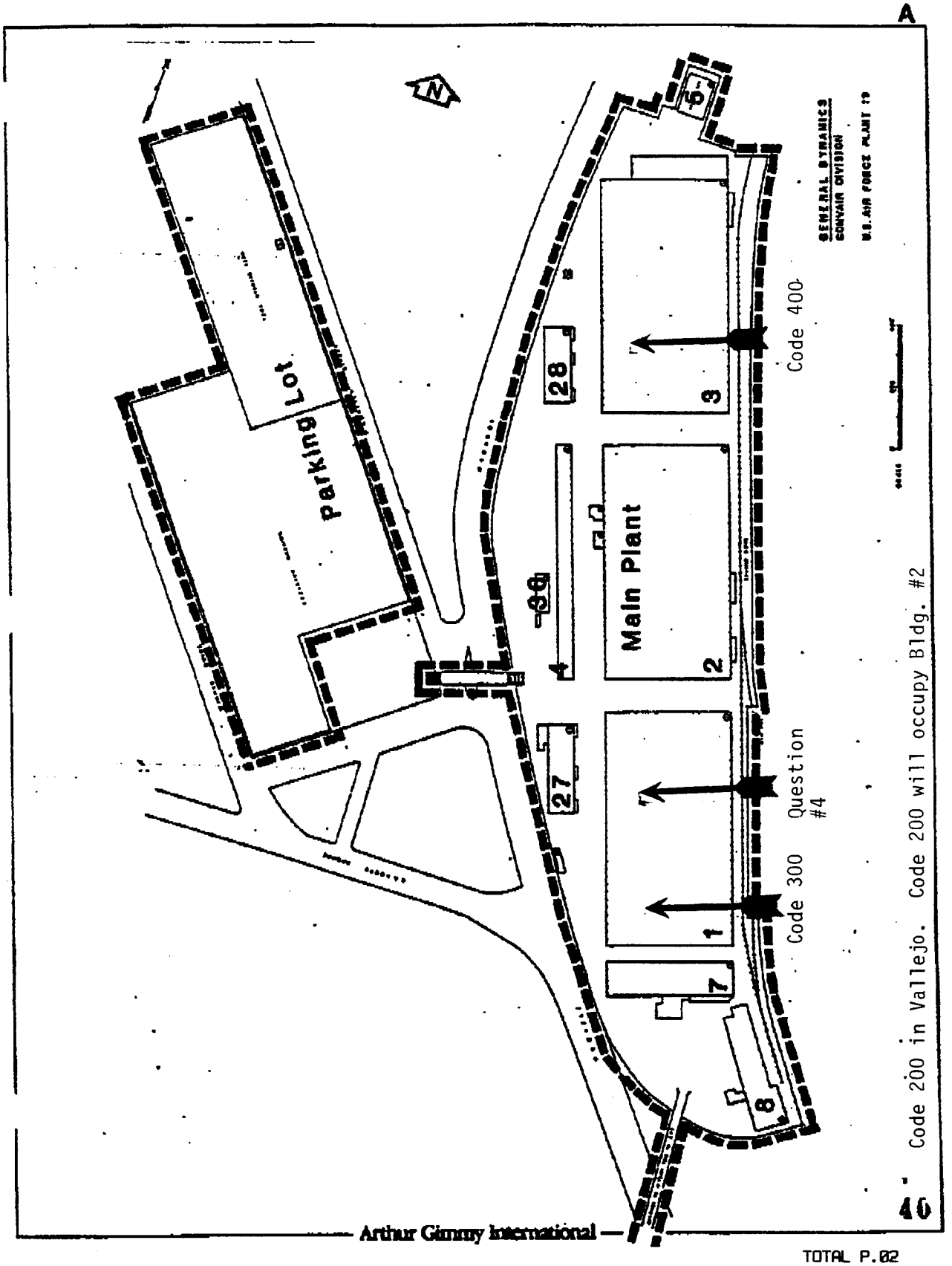
c. Describe relationship to the activity:

NAVSEACENPAC's relationship to NISE West is strictly as a tenant activity within the NISE West headquarters location (formerly Air Force Plant 19).

8. Remaining tenants and other activities on the installation: name of organization, mission, total workyears

NAVSEACENPAC will remain at Air Force Plant 19 as Fleet Technical Support Center providing direct fleet support. The total workyears is unknown.

A


Parking Lot
Main Plant
Code 400
Code 300
Question #4
Code 200 in Vallejo. Code 200 will occupy Bldg. #2
GENERAL DYNAMICS
CONVAIR DIVISION
U.S. AIR FORCE PLANT 19
Arthur Gimmy International
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Document Separator

BRAC-95

DATA CALL NUMBER TWELVE

Data for

Naval Command, Control and Ocean
Surveillance Center, ISE West Coast Division
San Diego, CA

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ENTIRE
DATA CALL
REVISION

BRAC-95

DATA CALL NUMBER TWELVE

Data for

Naval Command, Control and Ocean
Surveillance Center, ISE West Coast Division
San Diego, CA

Enter Data Call 223 Revision

"LAB" JOINT CROSS-SERVICE GROUP GUIDANCE PACKAGE

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NISE WEST

BRAC-95 CERTIFICATION

Certified Data: BRAC 95 Data Call Number Twelve - NISEWEST SAN DIEGO CA

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

NEXT ECHELON LEVEL (if applicable)

J. J. DONEGAN
NAME (Please type or print)

Signature

Commander
Title

6/28/94
Date

Naval Command, Control and Ocean
Surveillance Center
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief, with exceptions as noted in the attached statement.

MAJOR CLAIMANT LEVEL

W. H. CANTRELL
NAME (Please type or print)

W. H. Cantrell
Signature

Commander
Title

1 July 1994
Date

Space and Naval Warfare
Systems Command
Activity

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

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

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

Signature

ACTING
Title

13 JUL 1994
Date

Activity

Commander, NCCOSC Certification Statement

This Data Call requires a breakout of data by Common Support Function (CSF). The listing of CSFs identified in Appendix C of the Data Call instructions includes the following in the C4I Systems Category: "Airborne C4I", "Fixed Ground-Based C4I" and "Ground Mobile C4I".

The separate reporting for the "Fixed Ground-Based C4I" function at NCCOSC activities requires us to make distinctions between C4I systems ashore and C4I systems afloat. These distinctions in practice do not exist. For the last several years the C4I programs has worked to eliminate such distinctions and it has been extremely successful. C4I systems Ashore ("Fixed Ground Based") and Afloat are totally integrated and involve common equipment suites, engineering and life cycle support, training requirements, technicians etc. Common laboratories, staging, and support facilities are used as well as an integrated management and technical support staff.

The total integration of C4I across platforms and between services is an overarching principle in the development and operation of modern command and control systems.

The data provided is a reasonable assignment of categories within the constraints of the data call format and definitions provided. It is our best guess. However, this data is based largely on parametric estimates and accounting extrapolations. It is not possible to rigorously audit the work within the given definitions. Therefore, I cannot certify that the data provided for these largely hypothetical portions of our C4I functions represents any valid estimate of the work really being performed at the cited facilities.

BRAC DATA CALL #12
(1) Fixed Ground Based C4I Fixed
(2) Ground Mobile Based C4I
(3) Afloat C4I

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

PETER S. PIERPONT
Captain, U.S. Navy
NAME (Please type or print)

Signature

Commanding Officer
Title

6/15/94
Date

Naval Command, Control and Ocean
Surveillance Center, ISE West Coast Division
Activity

15 Sep '94 revision

BRAC DATA CALL #12
Laboratory Joint Cross-Service Data Call (Addendum)

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

ACTIVITY COMMANDER

MICHAEL T. GEHL
Captain, U.S. Navy
NAME (Please type or print)


Signature

Commanding Officer
Title

16 Sep 94
Date

Naval Command, Control and Ocean
Surveillance Center, ISE West Coast Division
Activity

Revised Pages 27 (changed to 27a), 30,

15 Sep 94 Revision

BRAC-95 CERTIFICATION

Certified Data: BRAC 95 Data Call Number Twelve - NISEWEST SAN DIEGO CA

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

NEXT ECHELON LEVEL (if applicable)

G. A. KLEIN III
NAME (Please type or print)

SIGNATURE

Acting Commander
Title

16 September 1994
Date

Naval Command, Control and Ocean Surveillance Center
Activity

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

MAJOR CLAIMANT LEVEL

W. H. CANTRELL
NAME (Please type or print)

Signature

Commander
Title

9/20/94
Date

Space and Naval Warfare Systems Command
Activity

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

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

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

Signature

Title

9/21/94
Date

Activity

Question 3.2.4.2 and Question 3.3.1.2

"LAB" JOINT CROSS-SERVICE GROUP GUIDANCE PACKAGE

Section I: Taskings
1.1 Guidelines
1.2 Standards
1.3 Assumptions
1.4 Measures of Merit
1.5 Activities
1.6 Common Support Functions

Section II: Capacity of DOD Components
2.1 Workload
2.2 Excess Capacity

Section III: Capability of Activities to Perform Common Support Functions
3.0 Mission
3.1 Location
3.2 Personnel
3.3 Workload
3.4 Facilities & Equipment
3.5 Expansion Potential

Section IV: Appendices
A. Macro Process/Schedule
B. List of Activities
C. Common Support Functions

NISE WEST

SECTION II: CAPACITY OF DOD COMPONENTS

2.1 **Workload.** Use the following table to describe historic and projected workload at each activity in terms of funding and workyears. Assume previous BRAC closures and realignments are implemented on schedule. Projected funding will be derived from FY95 President's Budget Submission (Then year dollars). Past fiscal year data shall begin with FY86 or at the inception of the activity as it existed on 1 Oct 93. (BRAC Criteria I & IV)

Information Required	Fiscal Years											
	86	87	88	89	90	91	92	93	94	95	96	97
Total Funds Programmed ($M)	274.8	250.9	257.1	227.4	245.9	253.8	246.7	310.8	247.4	347.1	226.0	245.9
Total Actual Funds ($M)	274.8	250.9	257.1	227.4	245.9	253.8	246.7	310.8				
Programmed Workyears	1,165	1,257	1,301	1,314	1,264	1,255	1,230	1,059	1,051	969	856	825
Actual Workyears	1,159	1,296	1,261	1,291	1,234	1,201	1,209	1,029				

Budgeted workyears are the selected indicator of the "lab" infrastructure's capacity at an aggregate level for each Military Department. They include both workyears funded directly by the Military Department and the workyears funded from organizations outside the Military Department.

Workyears = government personnel and on-site FFRDCs and SETAs

NOTE: Programmed workyears are constrained by personnel ceiling, not program funding.

2.2 **Excess "Lab" Capacity -- Measured at the DOD Component Level**

Excess "Lab" Capacity = 1,296 WY - 825 WY = **471 WY**
- -- Peak at each activity = 1,296 Workyears
- -- Projected at each activity = 825 Workyears

NOTE: This paragraph contains data from NISEWEST locations in San Diego, Hawaii, Guam and Japan.

SECTION III: CAPABILITY OF ACTIVITIES TO PERFORM COMMON SUPPORT FUNCTIONS (CSFs): Provide the information described for each common support function listed in Appendix C in which you are actively engaged.

General Note: Included in this submission are data for "Afloat C4I," a category which is not listed as a Common Support Function (CSF) in Appendix C of the Data Call Instructions. All questions in Section III have been addressed for Afloat C4I for the purpose of providing a full and complete representation of our C4I missions and support operations. C4I systems Ashore ("Fixed Ground Based") and Afloat are totally integrated and involve common equipment suites, engineering and life cycle support, training requirements, technicians, etc. Separate representation and study of these tightly integrated Navy C4I systems is not recommended.

The following are the CSFs applicable to NISEWEST :

(1) Fixed Ground Based C4I
(2) Ground Mobile C4I
(3) Afloat C4I

3.0 Mission: Describe the major capabilities at your activity contributing to the common support function in bulletized format. Describe any relationship and interconnectivity with other functions (common or otherwise) in support of the overall activity mission.

(1) FIXED GROUND BASED C4I:

NISEWEST Fixed Ground C4I mission is to act as the ISEA for the applicable systems and to act as the integrator to inter-connect Ground Based and Afloat C4I, at worldwide locations.

Major ISEA Fixed Ground Based C4I assignments include shore communications stations, air stations and the Caribbean Regional Operations Center (CARIBROC). To fulfill FY-93 taskings for this CSF we utilized approximately:

* 181 workyears of engineering and technical support staff effort and processing 2500 cumulative years of experience
* 216,000 square feet of lab, technical or staging spaces, portions of separate labs located in San Diego and Vallejo, California, and the Pearl Harbor Naval Ship Yard in Hawaii

The above figures represent, as best as can be determined, the total magnitude of the personnel and facility resources utilized by programs falling into the envelope of fixed ground C4I. However, most of NISEWEST's resources are shared with several programs. The absolute numbers given represent the average total of the portions used to support this CSF during FY93. The integration of C4I data from multiple sources, land sites, ships, submarines, aircraft and satellites is a core mission of the Naval Command, Control and Ocean Surveillance Center (NCCOSC) and NISEWEST. The successful integration of this data is an essential ingredient to the Navy's Copernicus implementation and "C4I for the Warrior." It further supports Navy's "From the Sea" initiative to fully support joint service operations which will require interoperable C4I systems within and between all elements of the armed services.

The NCCOSC executes this core mission responsibility by insuring that its technical staff provide direction to multiple C4I programs on a virtually simultaneous basis. It is therefore difficult (and potentially misleading) to identify particular personnel to individual CSF's. We also feel it would be counterproductive to consider any consolidation which would minimize the synergistic benefits of individual personnel supporting multiple C4I systems on different platforms.

To execute our assignments in Fixed Ground C4I NISEWEST has developed extensive functional support capabilities for both hardware and software. A short list of such capabilities follows:

* System Engineering
* Operational/maintenance and Performance data
* Engineering change development
* Integrated logistic support
* Reliability, maintainability and availability measurement (RMA)
* Configuration Management
* Training to include design and installation of training mock-ups
* System Installation
* Test and Evaluation
* Computer Software Maintenance
* System Integration

NISEWEST fulfills these functions via:

* A trained cadre of in-place government employees in San Diego, Vallejo (in the process of being relocated), Hawaii, Guam and Japan
* Established contacts with nationally recognized companies who have a record of quality performance by experienced professionals
* Established contacts and working relationships with most of the Navy's activities involved with C4I
* A large, flexible organization capable of re-allocating technical talent, laboratory space and test instrumentation to meet emergent requirements.
* Favorable location for continuous command availability, sea, land or air shipping, long term storage of bulky assets and rapid technical assistance response, approximately 46% of the total NISE West efforts applied to this CSF are accomplished from it's sites in Hawaii, Guam or Japan.

(2) GROUND MOBILE C4I:

The integration of C4I data from multiple sources (i.e. national data bases, undersea sensors, ground mobile sources, land sites, ships, submarines, aircraft and satellites) is a core mission of the Naval Command, Control and Ocean Surveillance Center and NISEWEST. The successful integration of this data is an essential ingredient to the Navy's Copernicus implementation and "C4I for the Warrior." It further supports Navy's "From the Sea" initiative to fully support joint service operations which will require interoperable C4I systems within and between all elements of the armed services.

NCCOSC executes this core mission responsibility by insuring that its technical staff provide direction to multiple C4I programs on a virtually simultaneous basis. It is therefore difficult (and potentially misleading) to identify particular personnel to individual CSF's. We also feel it would be counterproductive to consider any consolidation which would minimize the synergistic benefits of individual personnel supporting multiple C4I systems on different platforms. Within the framework of this concept, this submission addresses resources contributing to the accomplishment at our mission on Mobile Ground Based C4I Systems.

* 25 Engineers/technicians with average experience of 20 years
* 247,000 sq. ft. of laboratory and staging facilities
* Complete range of in-service engineering functions

The Naval Command, Control and Ocean Surveillance Center, (NCCOSC) ISE West Coast Division (NISEWEST) was established in January 1992 as a result of the Navy's restructuring of its research, development, test and evaluation (RDT&E) engineering and fleet support activities. This restructuring recommendation was supported by the 1991 Base Realignment and Closure (BRAC 91) process and has resulted in the closure of Naval Electronic Systems Engineering Centers in San Diego and Vallejo, California and their missions and functions being realigned to NISEWEST. The mission and functions of the Naval Electronic Engineering Activity, Pacific (NEEACT PAC) was realigned to NISEWEST Activity, Pearl Harbor. These closures and realignments were effective 1 October 1992.

The NISEWEST mission is to function as the West Coast engineering and fleet support center for command, control, communications and ocean surveillance and the integration of those systems that overarch multiplatforms. NISEWEST currently has operational sites in San Diego and Vallejo, California; Pearl Harbor, Hawaii; and facilities in Guam and Japan. In accordance with BRAC 91, the Vallejo facility will close and their functions relocate to San Diego by the end of FY95. BRAC 93 approved the use of Air Force Plant 19 as NISEWEST's primary location.

Within the fleet support center mission for command, control, and communications the Ocean Surveillance and Special Programs Directorate maintains a Mobile Tactical Systems Division which is dedicated to the design, acquisition, development, production and life cycle support of mobile ground based C2, C3, and C4I systems. The Directorate mission relative to mobile command, control, and communications, computers and intelligence includes responsibility for system hardware design, development, acquisitions, installation, technical evaluation, training, logistics planning and support, management, inventory control, and technical assistance for mobile tactical systems worldwide. Engineering efforts consist of the new designs, development of field changes, engineering change proposals, software change proposals, prototypes, and product improvement programs. Engineering efforts to improve maintainability and reliability include quality assurance, configuration management, statistics and failure analysis, and substitution of parts into existing systems. Changes to system baselines are made to provide inter-system compatibility and for emergent operational requirements.

NISEWEST is responsible for all aspects of advance planning, technical management, engineering configuration control, standardization, technical field support, and integrated logistic support for all mobile tactical systems that are integrated into shelters or vans.

* Established shelter production facility for the development and fielding of mobile C2, C3, and C4I systems.
* Marine Air Traffic Control and Landing systems (MATCALS). NISE West provides the only support for the Fleet Marine Force Marine Air Traffic Control Squadrons (MATCS). Maintains unique test beds and support for MATCALS systems.
* Established mobile tactical systems maintenance and repair facility.
* A trained cadre of in-place government personnel.
* Established contracts with personnel who have years of experience in design, production, and field service support for mobile C2, C3, and C4I systems.
* Established organizational contacts within the navy and marine corps C4I community.
* An in-depth knowledge of mobile tactical systems gained from years of association with various mobile tactical programs.
* Extensive experience in providing life-cycle support to operational mobile C4I systems in remote locations worldwide.
* Established contacts and working relationships with joint committee on tactical shelters (JOCOTAS).

* Mobile Tactical System Division personnel provide on-site participation and technical support to the CNO voting member of the Joint Pub 6-05 joint working group (JWG) during semi-annual conferences.
* Back-up personnel and facility resources.
* Favorable location for land, sea, and air shipping and for rapid response to technical assistance requests
* A commitment to excellence in the support of the fleet's operating systems that is well known and recognized

The NISEWEST Air Force Plant 19 facility provides collocated Navy and Marine Corps C2, C3, and C4I production and maintenance facilities. This provides the ability to effectively and efficiently share fixed plant resources, and individual personnel expertise. Additionally, the mobile tactical systems production and maintenance facilities are located adjacent to the planned NISEWEST C4I Integration and Testing Laboratory which will provide in-house connectivity to all current C4I systems and software. An additional benefit of the NISEWEST facility is the close proximity to NCCOSC RDTE DIV SAN DIEGO which aides in technology transfer and NISEWEST's ability to transition C4I RDT&E developments into fielded and supported systems.

(3) AFLOAT C4I

NISEWEST's AFLOAT C4I mission is to act as the ISEA for the applicable systems and to act as integrator to interconnect, satellite, airborne, afloat, ground based and mobile C4I at worldwide locations. Major afloat C4I assignments concern data links, satellite communications (VHF, SHF, EHF), LF/VLF communications, tactical environmental support systems, shipboard communications and the larger supporting programs such as the shipboard Field Change Installation Program, (FCIP), and the Total Ships Test Program, (TSTP). To fulfill current tasking for this CSF we utilize approximately:

* 591 workyears of engineers and technicians and support people's efforts processing 9,500 cumulative years of experience
* 542,100 square feet of lab, technical support and staging areas.

The above figures represent, as best as can be determined, the total magnitude of the personnel and facility resources utilized by programs falling into the envelope of Afloat C4I. However, most of NISEWEST's resources are shared with several programs. The absolute numbers given represent the average total of the portions used to support this CSF during FY93. The integration of C4I data from multiple sources, land sites, ships, submarines, aircraft and satellites is a core mission of the Naval Command, Control and Ocean Surveillance Center (NCCOSC) and NISEWEST. The successful integration of this data is an essential ingredient to the Navy's Copernicus implementation and "C4I for the Warrior." It further supports Navy's "From the Sea" initiative to fully support joint service operations which will require interoperable C4I systems within and between all elements of the armed services. NCCOSC executes this core mission responsibility by insuring that its technical staff provide direction to multiple C4I programs on a virtually simultaneous basis. It is therefore difficult (and potentially misleading) to identify particular personnel to individual CSF's. We also feel it would be counterproductive to consider any consolidation which would minimize the synergistic benefits of individual personnel supporting multiple C4I systems on different platforms.

To execute our assignments in Afloat C4I NISEWEST has developed extensive functional support capabilities for both hardware and software. A short list of such capabilities follows:

* Fleet Engineering Assistance
* System Engineering to include field changes
* Operational/maintenance and Performance data
* Engineering change development
* Integrated logistic support
* Reliability, maintainability and availability measurement (RMA)
* Configuration Management
* Training to include design and installation of training mock-ups
* Fleet Engineering assistance
* System Installation to include field changes
* Test and Evaluation
* Computer Software Maintenance
* System Integration
* Class improvements and fleet installation support

NISEWEST fulfills these functions via:

* A trained cadre of in-place government employees in San Diego, Vallejo (in the process of being relocated), Hawaii, Guam and Japan
* Established contacts with nationally recognized companies who have a record of quality performance by experienced professionals
* Established contacts and working relationships with most of the Navy's activities involved with C4I
* A large, flexible organization capable of re-allocating technical talent, laboratory space and test instrumentation to meet emergent requirements.
* Favorable location for continuous command availability, sea, land or air shipping, long term storage of bulky assets and rapid technical assistance response, approximately 11% of the total NISEWEST efforts applied to this CSF are accomplished in and from it's site in Hawaii, Guam or Japan.The NISEWEST Air Force Plant 19 facility provides collocated Navy and Marine Corps C2, C3, and C4I production and maintenance facilities.This provides the ability to effectively and efficiently share fixed plant resources, and individual personnel expertise. Additionally, the afloat C4I integration and systems production and maintenance facilities are located adjacent to the planned NISEWEST C4I Integration and Testing Laboratory which will provide in-house connectivity to all current C4I systems and software. An additional benefit of the NISEWESTfacility is the close proximity to NCCOSC RDTE DIV SAN DIEGO which aides in technology transfer and NISEWEST's ability to transition C4I RDT&E developments into fielded and supported systems.

3.1 *Location*

3.1.1 **Geographic/Climatological Features:** Describe any geographic/climatological features in and around your activity that are relevant to each CSF. Indicate and justify those that are required versus those that just serve to enhance accomplishing the mission of the activity. For example, clear air at high altitude that increases quality of atmospheric, ground-based laser experiments in support of the weapons CSF. (BRAC Criteria I)

(1) FIXED GROUND BASED C4I:
NISEWEST is located about six miles from NCCOSC RDTE DIV, the Naval Laboratory on Pt. Loma. The EMI neutral test ranges at NCCOSC RDTE DIV can be made available to us for the test and calibration of C4I systems. We currently use the NCCOSC RDTE DIV range facilities approximately four times per year (about 80 hours per visit).

The San Diego climate, noted for its even temperature, absence of hurricanes, blizzards and destructive earthquakes, does ensure NISE West's mission-ready availability virtually 365 days per year.

(2) GROUND MOBILE C4I:
Mission Enhancement Feature: The NISEWEST location near the San Diego Naval Base provides immediate and efficient access to afloat Joint Maritime Command Information Systems (JMICS) and operating personnel which accommodates compatibility and interface testing between afloat JMICS and mobile based C4I systems.

Mission Enhancement Feature: The NISEWEST location near NCCOSC RDTE DIV SAN DIEGO provides effective and efficient sharing of technologies, personnel expertise, and results in "teaming" of C4I R&D personnel with In-Service Engineering personnel. The proximity to NCCOSC RDTE DIV, and relationships developed between NCCOSC Division personnel aids in the transition of C4I technologies to the fleet.

Mission Enhancement Feature: The extremely mild temperatures and general weather in the San Diego area provide ideal conditions and ability to field test mobile C4I systems on a year-round basis.

(3) AFLOAT C4I

The San Diego climate, noted for its even temperature, absence of hurricanes, blizzards and destructive earthquakes, does ensure NISEWEST's mission-ready availability virtually 365 days per year.

Mission Enhancement Feature: The NISEWEST location near the San Diego Naval Base provides immediate and efficient access to Naval forces and operating personnel which accommodates compatibility and interface testing between afloat units and land based, airborne and satellite C4I systems.

Mission Enhancement Feature: The NISEWEST location near NCCOSC RDTE DIV SAN DIEGO provides effective and efficient sharing of technologies, personnel expertise, and results in "teaming" of C4I R&D personnel with In-Service Engineering personnel. The proximity to NCCOSC RDTE DIV, and relationships developed between NCCOSC Division personnel aids in the transition of C4I technologies to the fleet.

Mission Enhancement Feature: The NISEWEST location in AFP-19 is nearly in the center of the large complex of separate naval activities in San Diego county running from Imperial Beach to Oceanside. The plant has 82 acres of area and several large partially vacant industrial buildings. The plant which is on a rail line with its own siding also has its own private access road to the San Diego airport and is less that 100 yards from a major interstate highway off ramp. The plant is currently less than 50% utilized and has at least 20 acres of unused area available for potential new buildings or storage. Water, sewer, and electrical power connections to AFP-19 currently operate at less that 50% capacity also.

3.1.2 **Licenses & permits:** Describe and list the licenses or permits (e.g., environmental, safety, etc.) that your activity currently holds and justify why they are required to allow tests, experiments, or other special capabilities at your location for each CSF. For example, permit to store and use high explosives. (BRAC Criteria I)

(1) FIXED GROUND BASED C4I:

NISEWEST currently has approved or in process 32 frequency allocation requests. Most of these are frequency band allocations, and they cover all equipments which we have the requirement to operationally test. Our frequency allocations must be renewed at five-year intervals. Specific frequencies used not necessarily exclusively by this CSF are:

FREQUENCY	REQUEST MESSAGE	COMMENTS
3.0 - 50.0 MHZ	021904Z JUL 92	AN/URT-119
258.925 MHZ	132004Z JUL 92	AN/GRT-22
1023 MHZ	241804Z JUL 92	AN/TRN-25/TRN-26 AN/SRN-25/TRN-44

Most of the frequencies used for this particular CSF are in fact allocated to the communications, air or Marine Corps units where the applicable equipment is tested and subsequently installed. New frequency allocation requests not yet forwarded are in work by NISEWEST for the CARIBROC centralized support facility.

(2) GROUND MOBILE C4I:

The following NISEWEST authorized radio frequency allocations are required to support on-air System Operation and Verification Testing (SOVT) for completed mobile ground based C4I systems.

Frequency	Authorization	Comments
250MHZ-399MHZ	071808Z OCT 92	AN/WSC-3 RADIO
9375MHZ	051633Z AUG 93	AN/SPS-64 RADAR
Selected btwn 30-80MHZ	131408Z OCT 92	AN/ARC-182

(3) AFLOAT C4I

NISEWEST currently has approved or in process 32 frequency allocation requests. Most of these are frequency band allocations, and they cover all equipments which we have the requirement to operationally test. Our frequency allocations must be renewed at five-year intervals. Specific frequencies used not necessarily exclusively by this CSF are:

FREQUENCY	REQUEST MESSAGE	COMMENTS
262.775 MHZ	132004Z JUL 92	AN/WSC-3
7900-8400 MHZ	251904Z FEB 93	AN/WSC-6 AN/SCC-6
44000 MHZ	141704Z JUL 92	AN/USC-38

3.1.3 **Environmental constraints:** Describe and list the environmental or land use constraints present at your activity which limit or restrict your current scope for each CSF, i.e., would not allow increased "volume" or "spectrum" for the CSF. Example -- Volume: frequency of a type of experiment. Example -- Spectrum: Current permit to detonate high explosives will not allow detonation or storage of increased quantity of explosives without legal waiver (state law) or relocation of surrounding (non-govt) buildings. (BRAC Criteria II)

(1) FIXED GROUND BASED C4I:

There are no environmental or land use constraints.

(2) GROUND MOBILE C4I:

There are no environmental or land use constraints.

(3) AFLOAT C4I

There are no environmental or land use constraints.

3.1.4 **Special Support Infrastructure:** List and describe the importance of any mission related special support infrastructure (e.g. utilities) present at your location for your activity. (BRAC Criteria I)

(1) FIXED GROUND BASED C4I:

There are no special support infrastructure requirements for this CSF.

(2) GROUND MOBILE C4I:

The mobile tactical systems shelter production area and maintenance and repair facility, located in Air Force Plant 19. Bldg. 2, provides large open-bay production areas for maneuvering mobile shelters, and is equipped with large roll-away access doors permitting tractor-trailer access through the building. The facility is equipped with overhead cranes (5 ton) to facilitate moving heavy equipment within the building, and has the 208 VAC, 60 HZ, three phase power distributed throughout the building. A three phase 400 HZ and 28 VDC power distribution system are planned for installation in the maintenance and repair facility.

The NISEWEST facility also has an adjacent 23 acre fenced compound for staging and storage of tactical shelters, companion mobile generators, and shelter mobilizers. This area may also be used for set-up and field demonstration of mobile C4I systems.

The Ocean Surveillance and Special Programs Directorate also maintains an 8,500 sq. ft. shielded SCIF laboratory coupled with a 5,000 sq. ft. office space which may be used to support compartmented aspects of mobile C4I systems.

(3) AFLOAT C4I

NISEWEST has established unique laboratories and developed the associated professional staff to support VLF and satellite communications. Our support of satellite communications covers all frequencies, VHF, SHF and EHF. To our knowledge the crucial skills, experience levels and unique suites of equipments we have assembled exist nowhere else.

3.1.5. **Proximity to Mission-Related organizations:** List and describe the importance and impact of not having nearby organizations which facilitate accomplishing or performing your mission -- e.g. operational units, FFRDCs, universities/colleges, other government organizations, and commercial activities. Restrict your response to the top five. Complete the following: (BRAC Criteria I)

(1) FIXED GROUND BASED C4I:

Common Support Functions	Name	Type of Organization	Distance	Workyears Performed by Your Activity	Workyears Funded by Your Activity
Fixed Ground C4I	MIRAMAR AIR STATION	NAVAL AIR STATION	12 MILES	14	14
Fixed Ground C4I	NCCOSC RDTE DIV	NAVY LABORATORY	6 MILES	18	18
Fixed Ground C4I	CAMP PENDLETON MARINE CORPS BASE	MARINE BASE	40 MILES	5	5
Fixed Ground C4I	NAVCOMSTA SAN DIEGO	COMM. STATION	12 MILES	18	18
Fixed Ground C4I	CINCPACFLT* CINCPAC	MAJOR FLEET H.Q.	3 MILES	83	83

*Applies to NISEWEST Pearl Harbor only.

NISEWEST proximity to the largest concentrations of ships, shore and naval air operational and support activities in the Pacific affords us ready access to operational units and test beds for new developments, test and evaluation. Considerable additional time and expense would be involved if there were significant separation of our operations from the above activities. In particular, NCCOSC RDTE DIV, another division of NCCOSC, is one of the larger Navy laboratories. They have test ranges and a very large investment in software development and support capability. Also they have system simulation capabilities with the highly trained professionals who can utilize these to best advantage. Their R&D strengths combined with NISEWEST expertise in system integration and in-service engineering provide synergy across multiple C4I functions.

The established team working relationships between NISEWEST's people and any of our proximate customers or support activities might prove difficult to maintain if a significantly

large geographic separation were imposed, quite apart from the extra time and expense that would inevitably result just to conduct normal business. NISEWEST's Pearl Harbor location relative to CINPAC and CINCPACFLT headquarters is central to the mission of NISEWEST's Pearl Harbor's work with fixed ground C4I. NISEWEST provides Marine Corps C4I improvements at the Camp Pendleton Marine Base and for Marine Corps and Navy Installations throughout southern California.

(2) GROUND MOBILE C4I:

Common Support Functions	Name	Type of Organization	Distance	Workyears Performed by Your Activity	Workyears Funded by Your Activity
Ground Mobile C4I	NCCOSC RDTE DIVISION	C4I RDT&E LABORATORY	8 MILES SAN DIEGO	10	10
Ground Mobile C4I	NAVY INSHORE UNDERSEA WARFARE GROUP I	INSHORE UNDERSEA WARFARE OPERATIONS	8 MILES IMPERIAL BEACH	3	3
Ground Mobile C4I	NAVAL BASE SAN DIEGO	FLEET OPERATIONS	10 MILES	2	2
Ground Mobile C4I	MOBILE INSHORE UNDERSEA WARFARE UNIT 106 & UNIT 107	MOBILE INSHORE UNDERSEA WARFARE OPERATIONS	16 MILES NORTH SAN DIEGO COUNTY	3	3

The close proximity to NCCOSC RDTE DIV significantly aids in C4I technology transfer from the R&D development stages to implementation of new systems into fielded and supported systems. The relationships developed between the R&D personnel and the ISE personnel foster cooperation and "teaming" in support of mobile C4I systems. The close proximity further aids in the ability to assist NCCOSC RDTE DIV in fast track prototyping of new mobile ground based C4I equipment. Separation of the ISE Division from the RDT&E Division would result in less efficient means to conduct business and result in higher travel costs for participation in conferences, meetings, and cooperative efforts during software loading and maintenance, and during the conduct of System Operation Verification Testing (SOVT).

The close proximity to the Navy Undersea Warfare Group One fosters effective and efficient working relationships between the ISE and one of our primary customers. Separation of the ISE from this customer would result in higher travel costs, and impact established working relationships.

The proximity to the Naval Base provides the ability to easily coordinate mobile ground based C4I on-line systems testing with the fleet units and provides opportunities for cross training of ISE personnel as well as operating forces.

The close proximity to the Mobile Inshore Undersea Warfare Units 106 and 107 provides immeasurable opportunities to test and evaluate new C4I equipment, field changes, and product improvements. It also provides a direct and immediate connection to the operating forces technical feedback and training.

(3) AFLOAT C4I

Common Support Functions	Name	Type of Organization	Distance	Workyears Performed by Your Activity	Workyears Funded by Your Activity
Afloat C4I	NCCOSC RDTE DIV	NAVY LABORATORY AND FLEET COMBAT TRAINING CENTER	6 MILES	19	28
Afloat C4I	NORTH ISLAND NAVAL AIR STATION	COMNAVAIRPAC AND SUBORDINATE COMMANDS	11 MILES	40	84
Afloat C4I	NAVAL STATION SAN DIEGO AND TENANTS	SUPSHIPS SAN DIEGO	8 MILES	30	93
Afloat C4I	NAVAL AMPHIBIOUS BASE CORONADO	NAVAL SURFACE FORCE PACIFIC COMMAND	15 MILES	29	81
*Afloat C4I	CINCPACFLT CINCPAC	MAJOR FLEET H.Q. AND SUBORDINATE COMMANDS	3 MILES	25	45

*Applies to NISEWEST Pearl Harbor only. Numbers based on the approximate ratio of contact to in-house workyears of the divisions supporting these customer activities, the precise workyears supporting afloat C4I cannot be clearly separated from other C4I programs.

Note: NISEWEST's proximity to the largest concentrations of ships, shore, naval air, operational, training and support activities in the Pacific afford us ready access to operational units and test beds. Such access is invaluable to allow us to influence new developments and ensure that the associated test, evaluation and training is properly done. Considerable additional time and expense would be involved if there were significant separation of our operations from the above activities. NCCOSC RDTE DIV, another division of NCCOSC, collocated with the Fleet Combat Training Center Pacific and the former Fleet Combat Direction Systems Support Activity Pacific (now part of NCCOSC RDTE DIV) handle much of the afloat C4I software maintenance and training for the Pacific fleet. Their test beds and the trained professionals provide synergy across multiple C4I functions to complement our expertise in system integration.

The established team working relationships between NISEWEST's people and any of our proximate customers or support activities might prove difficult to maintain if a significantly large geographic separation were imposed, quite apart from the extra time and expense that would inevitably result just to conduct normal business. NISEWEST's Pearl Harbor location relative to CINPAC and CINCPACFLT headquarters is central to the mission of NISEWEST Pearl Harbor's work with C4I work both afloat and ground based.

3.2 Personnel:

3.2.1 **Total Personnel:** What is the total number of government (military and civilian), on-site federally funded research and development center (FFRDC), and on-site system engineering technical assistance (SETA) personnel engaged in science and technology (S&T), engineering development and in-service engineering activities as of end FY93? For individuals that predominantly work in CSFs, involved in more than one CSF, account for those individuals in the CSF that represents the preponderance of their effort. (BRAC Criteria I)

(1) FIXED GROUND BASED C4I:

Types of personnel Fixed Ground C4I	Number of Personnel			
	Government		On-Site FFRDC	On-Site SETA
	Civilian	Military		
Technical	142	1	-	-
Management (Supv)	18	-	-	-
Other	20	-	-	-

(2) GROUND MOBILE C4I:

Types of personnel Ground Mobile C4I	Number of Personnel			
	Government		On-Site FFRDC	On-Site SETA
	Civilian	Military		
Technical	24	-	-	-
Management (Supv)	1	-	-	-
Other	-		-	-

(3) AFLOAT C4I

Note: Personnel are shared between various C4I support functions.

Types of personnel Afloat C4I	Number of Personnel			
	Government		On-Site FFRDC	On-Site SETA
	Civilian	Military		
Technical	447	12	-	-
Management (Supv)	59	4	-	-
Other	69	-	-	-

3.2.2 **Education:** What is the number of government personnel actively engaged in S&T, engineering development and in-service engineering activities by highest degree and type of position? Provide the data in the following table: (BRAC Criteria I)

(1) FIXED GROUND BASED C4I:

Type of Degree/ Diploma	Number of Government Personnel by Type of Position		
	Technical	Management (Supv)	Other
High School or Less	27	-	13
Associates	30	2	5
Bachelor	79	14	2
Masters	6	2	-
Doctorate (include Med/Vet/etc.)	1 -	- -	- -

(2) GROUND MOBILE C4I:

Type of Degree/ Diploma	Number of Government Personnel by Type of Position		
	Technical	Management (Supv)	Other
High School or Less	7	-	-
Associates	4	-	-
Bachelor	13	1	-
Masters	-	-	-
Doctorate (include Med/Vet/etc.)	-	-	-

(3) AFLOAT C4I

Type of Degree/ Diploma	Number of Government Personnel by Type of Position		
	Technical	Management (Supv)	Other
High School or Less	183	13	56
Associates	35	4	7
Bachelor	217	37	6
Masters	24	9	-
Doctorate (include Med/Vet/etc.)	-	- -	- -

3.2.3 **Experience:** What is the experience level of government personnel? Fill in the number of government personnel in the appropriate boxes of the following table. (BRAC Criteria I)

(1) FIXED GROUND BASED C4I:

Type of Position	Years of Government and/or Military Service				
	Less than 3 years	3-10 years	11-15 years	16-20 years	More than 20 years
Technical	0	35	31	21	56
Management (Supv)	0	1	3	4	10
Total	0	36	34	25	66

(2) GROUND MOBILE C4I:

Type of Position	Years of Government and/or Military Service				
	Less than 3 years	3-10 years	11-15 years	16-20 years	More than 20 years
Technical	-	4	4	5	11
Management (Supv)	-	-	-	1	-
Total	-	4	4	6	11

(3) AFLOAT C4I

Type of Position	Years of Government and/or Military Service				
	Less than 3 years	3-10 years	11-15 years	16-20 years	More than 20 years
Technical	1	105	109	50	194
Management (Supv)	-	5	7	6	45
Total	1	110	116	56	239

3.2.4 **Accomplishments During FY91-93:** For government personnel answer the following questions.

3.2.4.1 How many patents were awarded and patent disclosures (only count disclosures with issued disclosure numbers) were made? (BRAC Criteria I)

(1) FIXED GROUND BASED C4I:

CSF	Disclosures	Awarded	Patent Titles (List)
C4I	None	None	None
Total			

(2) GROUND MOBILE C4I:

CSF	Disclosures	Awarded	Patent Titles (List)
C4I	None	None	None
Total			

(3) AFLOAT C4I

CSF	Disclosures	Awarded	Patent Titles (List)
C4I	None	None	None
Total			

3.2.4.2 How many papers were published in peer reviewed journals? (BRAC Criteria I)

(1) FIXED GROUND BASED C4I:

CSF	Number Published	Paper Titles (List)
C4I	None	None
TOTAL		

(2) GROUND MOBILE C4I:

CSF	Number Published	Paper Titles (List)
C4I	None	None
Total		

(3) AFLOAT C4I

CSF	Number Published	Paper Titles (List)
C4I	2	1. "Neural Net Directed GPS Complimentary Filters for Data Enhancements" 2. "The Evolution of US Satellite Systems Antenna Control Technology"
TOTAL	2	

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3.2.4.2 How many papers were published in peer reviewed journals? (BRAC Criteria I)

(3) AFLOAT C4I

CSF	Number Published	Paper Titles (List)
C4I	2	1. " Neural Net Directed GPS Complimentary Filters for Data Enhancements". This article is to be published in October, 1994 by the Joint Services Data Exchange for Guidance, Navigation, and Control in Scottsdale, Arizona. 2. The Evaluation of U.S. Naval Satellite Antenna Control Technology. - Published in Naval Engineers Journal, January, 1994, pages 94-107
TOTAL	2	

3.3 Workload

3.3.1 FY93 Workload

3.3.1.1 **Work Year and Lifecycle:** Identify the number of actual workyears executed for each applicable CSF in FY93 for each of the following: government civilian; military; on-site FFRDCs; and on-site SETAs. (BRAC Criteria I)

(1) FIXED GROUND BASED C4I:

"LAB" C4I	Fiscal Year 1993 Actual			
	Civilian	Military	FFRDC	SETA
Science & Technology	-	-	-	-
Engineering Development	0.1	-	-	-
In-Service Engineering	179.9	1	-	-

(2) GROUND MOBILE C4I:

"LAB" C4I	Fiscal Year 1993 Actual			
	Civilian	Military	FFRDC	SETA
Science & Technology	-	-	-	-
Engineering Development	.3	-	-	-
In-Service Engineering	25.1	-	-	-

(3) AFLOAT C4I

"LAB" C4I Afloat	Fiscal Year 1993 Actual			
	Civilian	Military	FFRDC	SETA
Science & Technology	-	-	-	-
Engineering Development	41.6	3	-	-
In-Service Engineering	533	13	-	-

3.3.1.2 **Engineering Development By ACAT:** For each Common Support Function (e.g. airborne C4I) at each activity engaged in engineering development, provide:
- For each ACAT IC, ID, and II program (as defined in DODI 5000.2):
- The name of the program
- A brief program description
- For each ACAT III and IV programs:
- The number of such programs
- A list of program names
- For each program not an ACAT I, II, III, IV:
- The number of such programs
- A list of program names
- For the purpose of this question, any program between Milestone I and IV and containing demonstration and validation (Dem/Val 6.4)/Engineering and Manufacturing Development (EMD 6.5) funds in the FY95 PBS is considered to be engaged in engineering development (BRAC Criteria I).

(1) FIXED GROUND BASED C4I:

Engineering Development C4I	Name or Number	Workyears (FY93 Actual)	FY93 Funds Received (Obligation Authority) ($000)	Narrative
Other	ASCOM	1.0	114.0	ANTI SUB WARFARE COMM -Review system procurement spec,plan logistic support, monitor production, test and evaluate new systems, components and subsystems

(2) GROUND MOBILE C4I:

Engineering Development C4I	Name or Number	Workyears (FY93 Actual)	FY93 Funds Received (Obligation Authority) ($000)	Narrative
Other	MARINE COMMS	2.0	201.2	MOBILE COMMUNICATIONS - Provide support for upgrades and new procurements - Review system procurement spec,plan logistic support, monitor production, test and evaluate new systems, components and subsystems

3.3.1.2 **Engineering Development By ACAT:** For each Common Support Function (e.g. airborne C4I) at each activity engaged in engineering development, provide:

- For each ACAT IC, ID, and II program (as defined in DODI 5000.2):
  - The name of the program
  - A brief program description
- For each ACAT III and IV programs:
  - The number of such programs
  - A list of program names
- For each program not an ACAT I, II, III, IV:
  - The number of such programs
  - A list of program names
- For the purpose of this question, any program between Milestone I and IV and containing demonstration and validation (Dem/Val 6.4)/Engineering and Manufacturing Development (EMD 6.5) funds in the FY95 PBS is considered to be engaged in engineering development (BRAC Criteria I).

(1) FIXED GROUND BASED C4I:

Engineering Development C4I	Name or Number	Workyears (FY93 Actual)	FY93 Funds Received (Obligation Authority)	Narrative
Other	ASCOM	0.1	114.0	ANTI SUB WARFARE COMMS

(2) GROUND MOBILE C4I:

Engineering Development C4I	Name or Number	Workyears (FY93 Actual)	FY93 Funds Received (Obligation Authority)	Narrative
OTHER	Marine Comms	.3	201.2	Marine Mobile Communications

R

(3) AFLOAT C4I

Engineering Development C4I	Name or Number	Workyears (FY93 Actual)	FY93 Funds Received (Obligation Authority) ($000)	Narrative
Other	SATCOM	3.5	601.0	SATELLITE COMM SHF/EHF - Review system procurement spec,plan logistic support, monitor production, test and evaluate new systems, components and subsystems
Other	SATCOM-AUTO	5.0	724.4	SATELLITE COMM - AUTOMATED VERY HIGH FREQUENCY - Review system procurement spec,plan logistic support, monitor production, test and evaluate new systems, components and subsystems and provide system software evaluation and testing in support of the Navy Lab or Program Management Office.
Other	VLF COMMS	1.0	140.0	VLF COMMUNICATIONS - Review system procurement spec,plan logistic support, monitor production, test and evaluate new systems, components and subsystems
Other	LINK 16	1.0	109.0	DATA LINK DEVELOPMENT - Review system procurement spec,plan logistic support, monitor production, test and evaluate new systems, components and subsystems and provide system software evaluation and testing in support of the Navy Lab or Program Management Office.
Other	JTIDS	5.0	486.0	AN/TSC-131 VANS - Tactical Interservice data systems van mounted - Support procurement, checkout and staging of vans.

Engineering Development C4I	Name or Number	Workyears (FY93 Actual)	FY93 Funds Received (Obligation Authority) ($000)	Narrative
Other	TESS	5.0	899.0	TACTICAL ENVIRONMENTAL SUPPORT SYSTEMS - Plan equipment installations, provide system checkout and training of individual communication sites, and review system procurement spec,plan logistic support, monitor production, test and evaluate new systems, components and subsystems
Other	ESM MAST	0.3	17.9	SUBMARINE ELECTRONIC MAST (also called the "Integrated Electronic Mast (IEM))Development program of the next generation of submarine electronic-support measure (ESM) systems. Review system procurement spec,plan logistic support, monitor production, test and evaluate new systems, components and subsystems
Other	AN/WLQ-4(V)1	8.4	1212.4	SSN-21 (SEAWOLF) ESM - An improved version of the WLQ-4 system currently on the SSN-637 Class of subs, the (V)'s are for the Sea Wolf Class - We manage procurement, acceptance testing, and all logistics planning, and all other ISEA functions
Other	AN/WLR-1H	0.1	30.0	SSN-768/773 ESM - Review system procurement spec,plan logistic support, monitor production, test and evaluate new systems, components and subsystems
Other	BGPHES	1.8	129.7	BATTLE GROUP HORIZON EXTENSION SYSTEM - Review system procurement spec,plan logistic support, monitor production, test and evaluate new systems, components and subsystems

Engineering Development C4I	Name or Number	Workyears (FY93 Actual)	FY93 Funds Received (Obligation Authority) ($000)	Narrative
Other	OUTBOARD	0.1	10.0	OUTBOARD - Review system procurement spec,plan logistic support, monitor production, test and evaluate new systems, components and subsystems for major system upgrades (AN/SRD-19 and AN/SLR-16 systems with major upgrades and new components.
Other	SURFACE EW	6.0	750.9	AN/SLQ-32 UPGRADE - Review system procurement spec,plan logistic support, monitor production, test and evaluate new systems, components and subsystems and provide system software evaluation and testing in support of the Navy Lab or Program Management Office.
Other	JTIDS	0.5	33.8	NAVAIR PORTION OF JTIDS - Support procurement, checkout
Other	VLF/LF	0.1	5.0	SPAWAR RESEARCH - Review system procurement spec,plan logistic support, monitor production, test and evaluate new systems, components and subsystems however equipment is prototype and not deployable
Other	DEPOT	0.2	8.9	DEPOT UPGRADE PLANNING - Plan new initiatives in depot repair techniques such as thermal imaging and other automated test methods.
Other	COMBAT DF	2.0	122.9	COMBAT DF SYSTEM - Review system procurement spec,plan logistic support, monitor production, test and evaluate new systems, components and subsystems for major system upgrades

(3) AFLOAT C4I

Engineering Development C4I	Name or Number	Workyears (FY93 Actual)	FY93 Funds Received (Obligation Authority)	Narrative
Other	SATCOM	3.0	601.0	SATELLITE COMM SHF/EHF
Other	SATCOM-AUTO	1.0	724.4	SATELLITE COMMUNICATIONS
Other	VLF COMMS	0.5	140.0	VLF COMMUNICATIONS
Other	LINK 16	0.1	109.0	DATA LINK DEVELOPMENT
Other	JTIDS	4.0	486.0	AN/TSC-131 VANS
Other	TESS	2.0	899.0	TACTICAL ENVIRONMENTAL SUPPORT
Other	ESM MAST	0.3	17.9	SUBMARINE ELECTRONIC MAST
Other	AN/WLQ-4(V)1	3.5	1212.4	SSN-21 (SEAWOLF) ESM
Other	AN/WLR-1H	0.1	30.0	SSN-768/773 ESM
Other	BGPHES	1.8	129.7	BATTLE GROUP HORIZON EXTENSION SYSTEM
Other	OUTBOARD	0.1	10.0	OUTBOARD
Other	SURFACE EW	5.4	750.9	AN/SLQ-32 UPGRADE
Other	JTIDS	0.5	33.8	NAVAIR PORTION OF JTIDS
Other	VLF/LF	0.1	5.0	SPAWAR RESEARCH
Other	DEPOT	0.2	8.9	DEPOT UPGRADE PLANNING
Other	COMBAT DF	2.0	122.9	COMBAT DF SYSTEM

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31a, 31b and 31c
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3.3.1.3 **In-Service Engineering:** For each Common Support Function at each activity engaged in in-service engineering, list the in-service engineering efforts, the FY93 funds (from all sources) obligated for these efforts, the FY93 workyears for these efforts, and the weapon system(s) supported by these efforts. In-service engineering consists of all engineering support of fielded and/or out of production systems and includes efforts to improve cost, throughput, and schedule to support customer requirements as well as mods and upgrades for reliability, maintainability, and performance enhancements. (BRAC Criteria I)

(1) FIXED GROUND BASED C4I:

Common Support Functions	In-Service Engineering Efforts (List)	FY93 Actual		Weapon System(s) Supported
Fixed Ground C4I	Engineering Support Functions	Funds Received (Obligation Authority)	Workyears (Civ, Mil)	
C4I	Listed PAR 3.0	42.6M	181	Shore Stations Comm Stations Marine Stations

(2) GROUND MOBILE C4I:

Common Support Functions	Engineering Support Functions	FY93 Actual		Weapon System(s) Supported
Ground Mobile C4I	Engineering Support	Funds Received (Obligation Authority)	Workyears (Civ, Mil)	
C4I	Listed PAR 3.0	4.267M	25.1	MATCALS, Marine Corps Vans

(3) AFLOAT C4I

Common Support Functions	In-Service Engineering Efforts (List)	FY93 Actual		Weapon System(s) Supported
Afloat C4I	**Engineering Support Functions**	**Funds Received (Obligation Authority)**	**Workyears (Civ, Mil)**	
C4I	Listed PAR 3.0	263.9	546	C4I Systems Afloat, Fleet systems ashore

3.3.2 **Projected Funding**

3.3.2.1 **Direct Funding:** For each applicable CSF, identify direct mission funding by appropriation from FY94 to FY97. Use FY95 PBS for FY95-FY97. (BRAC Criteria I)

(1) FIXED GROUND BASED C4I:

CSF	FY94	FY95	FY96	FY97
See Note				

NOTE: Under DBOF the Command no longer receives Direct Mission Funding

(2) GROUND MOBILE C4I:

CSF	FY94	FY95	FY96	FY97
See Note				

NOTE: Under DBOF the Command no longer receives Direct Mission Funding

(3) AFLOAT C4I

CSF	FY94	FY95	FY96	FY97
See Note				

NOTE: Under DBOF the Command no longer receives Direct Mission Funding

3.3.2.2 **Other Obligation Authority:** For each applicable CSF, identify reimbursable and direct-cite funding (other obligation authority expected) from FY94 to FY97. Funding allocation must be traceable to FY95 PBS. (BRAC Criteria I)

(1) FIXED GROUND BASED C4I:

CSF	FY94	FY95	FY96	FY97
C4I	50.1M	38.3M	45.4M	39.3M

(2) GROUND MOBILE C4I:

CSF	FY94	FY95	FY96	FY97
Ground Mobile C4I	22M	10.3M	10.7M	10.9M

(3) AFLOAT C4I

CSF	FY94	FY95	FY96	FY97
Afloat C4I	239.9M	278.4M	228.9M	241.8M

3.4 Facilities and Equipment

3.4.1 **Major Equipment and Facilities:** Describe major facilities and equipment necessary to support each Common Support Function (include SCIFs). If the facilities and equipment are shared with other functions, identify those functions and the percentage of total time used by each of the functions. Provide labeled photographs that picture the breadth and scope of the equipment and facilities described. If it is unique to DOD, to the Federal Government, or to the US, describe why it is unique. Insert the replacement cost. For this exercise, Replacement cost = (Initial cost + capital investment) multiplied by the inflation factor for the original year of construction. (BRAC Criteria II)

(1) FIXED GROUND BASED C4I:

Common Support Function	Major Facility or Equipment Description	Unique To			Replacement Cost ($K)	Photo No.**
		DOD	Federal Gov't	U. S.		
Fixed Ground C4I	COMMAND AND CONTROL FACILITY (San Diego)				348.7	28 29
Fixed Ground C4I	CARIBROC*** LABS (San Diego)				1400.0	No Photo
Fixed Ground C4I (70%) shared with Afloat C4I (30%)	NISEWEST HAWAII LABORATORIES				2500.0	No Photo
Fixed Ground C4I (70%) shared with Afloat C4I (30%)	NISEWEST HAWAII STAGING AREA				150	No Photo

(1) FIXED GROUND BASED C4I: (continued)

Common Support Function	Major Facility or Equipment Description	Unique To			Replacement Cost ($K)	Photo No.**
		DOD	Federal Gov't	U. S.		
* Fixed Ground C4I (8%) shared with Afloat C4I (90%) and Ground Mobile C4I (2%)	SATCOM RF SYSTEMS FACILITY				276.7	1
* Fixed Ground C4I (30%) shared with Afloat C4I (70%)	COMMAND AND CONTROL				171.5	3
* Fixed Ground C4I (15%) shared with Afloat C4I (85%)	TACAN TEST FACILITY				92.9	5
* Fixed Ground C4I (8%) shared with Afloat C4I (90%) and Ground Mobile C4I (2%)	SATCOM RF SYSTEMS FACILITY II				781.5	6
* Fixed Ground C4I (15%) shared with Afloat C4I (85%)	TACAN PRODUCTION FACILITY				237.4	7 8

(1) FIXED GROUND BASED C4I: (continued)

Common Support Function	Major Facility or Equipment Description	Unique To			Replacement Cost ($K)	Photo No.**
		DOD	Federal Gov't	U. S.		
* Fixed Ground C4I (15%) shared with Afloat C4I (85%)	SATCOM RF REPLACEMENT PARTS STAGING				209.7	9
* Fixed Ground C4I (5%) shared with Afloat C4I (95%)	EHF SATCOM DEVELOPMENT FACILITY				80.8	10
* Fixed Ground C4I (5%) shared with Afloat C4I (95%)	SATCOM RF FACILITY				1,771.0	11
* Fixed Ground C4I (10%) shared with Afloat C4I (85%) and Ground Mobile C4I (5%)	STAGING FACILITY				461.4	15 16
* Fixed Ground C4I (20%) shared with Afloat C4I (60%) and Ground Mobile C4I (20%)	CRYPTO REPAIR FACILITY				305.8	19

(1) FIXED GROUND BASED C4I: (continued)

Common Support Function	Major Facility or Equipment Description	Unique To			Replacement Cost ($K)	Photo No.**
		DOD	Federal Gov't	U. S.		
Fixed Ground C4I (15%) shared with Afloat C4I (85%)	RADIAC CALIBRATION FACILITY				43.7	20
Fixed Ground C4I (5%) shared with Afloat C4I (95%)	LINK 16 DEVELOPMENT AND TEST FACILITY				303.7	26
Fixed Ground C4I (40%) shared with Afloat C4I (60%)	NAVAIDS FACILITY				439.8	27 27A
*** Fixed Ground C4I (10%) shared with Afloat C4I (80%) and Ground Mobile C4I (10%)**	STAGING FACILITY II				337.5	27 27B
*** Fixed Ground C4I (20%) shared with Afloat C4I (75%) and Ground Mobile C4I (5%)**	ATE AND RESTORATION FACILITY				13675.5	30 31 32

*These facilities, located at Mare Island Naval Shipyard, will be totally vacated in FY-95. Functions and personnel positions will be transferred to San Diego. Square footage numbers

are estimates based on the best information available. However, it should be noted that the occupancy and actual utilization of facilities in Vallejo and San Diego are changing frequently due to the on-going NISEWEST consolidation.

** Numbered photographs are provided on pages immediately following this table.

***NISEWEST has developed a unique support capability for the maintenance of the CARIBROC upgrade which could be used for any other C3I system. The CARIBROC centralized support facility (CCSF) contains simulating systems, command and control processor (C2P), hardware and software test beds for the multiple-input tracking and control systems (MTRACS) and the communication system. These simulation facilities in conjunction with the test bed, which are identical to the operational system, will allow further studies and improvements for the tracking correlation and display of data developed by dissimilar intelligence sources. This facility is specially designed for the CARIBROC and similar C4I systems. It has unique test and simulation equipment not known to be available at any other agency. The Ocean Surveillance and Special Programs Directorate also maintains an 8,500 sq. ft. shielded SCIF laboratory coupled with a 5,000 sq. ft. office space which may be used to support compartmented aspects Fixed Ground C4I systems. This SCIF is currently being used by CARIBROC on a time shared basis.

(2) GROUND MOBILE C4I:

Common Support Function	Major Facility or Equipment Description	Unique To			Replacement Cost ($K)	Photo No.**
		DOD	Federal Gov't	U. S.		
*Ground Mobile C4I:	NAVY VANS AND MODIFICATION FACILITY				237.4	7
*Ground Mobile C4I:	MATCALS -TESS TEST FACILITY				739.7	2
*Ground Mobile C4I:	MATCAL DEV. FACILITY				101.3	4
*Ground Mobile C4I:	MATCALS PRODUCTION FACILITY				949.6	7
*Ground Mobile C4I:	MOBILE INSHORE UNDERSEA WARFARE (MIUW				47.3	13
*Ground Mobile C4I:	STAGING AREA				312,9	14
*Ground Mobile C4I (2%) shared with Afloat C4I (90%) and Fixed Ground C4I (8%)	SATCOMS RF SYSTEMS FACILITY				276.7	1

(2) GROUND MOBILE C4I: (continued)

Common Support Function	Major Facility or Equipment Description	Unique To			Replacement Cost ($K)	Photo No.**
		DOD	Federal Gov't	U. S.		
***Ground Mobile C4I (2%) shared with Afloat C4I (90%) and Fixed Ground C4I (8%)**	SATCOMS RF SYSTEMS FACILITY II				781.5	6
***Ground Mobile C4I (5%) shared with Afloat C4I (85%) and Fixed Ground C4I (10%)**	STAGING FACILITY				461.4	15 16
***Ground Mobile C4I (5%) shared with Afloat C4I (95%)**	GLOBAL POSITIONING SYSTEMS				462.5	17 18
***Ground Mobile C4I (20%) shared with Afloat C4I (60%) and Fixed Ground C4I (20%)**	CRYPTO REPAIR FACILITY				305.8	19

(2) GROUND MOBILE C4I: (continued)

Common Support Function	Major Facility or Equipment Description	Unique To			Replacement Cost ($K)	Photo No.**
		DOD	Federal Gov't	U. S.		
***Ground Mobile C4I (10%) shared with Afloat C4I (80%) and Fixed Ground C4I (10%)**	STAGING FACILITY II				337.5	27 27B
***Ground Mobile C4I (5%) shared with Afloat C4I (75%) and Fixed Ground C4I (20%)**	ATE AND RESTORATION FACILITYFACILITY				13675.5	30 31 32

*These facilities, located at Mare Island Naval Shipyard, will be totally vacated in FY-95. Functions and personnel positions will be transferred to San Diego. Square footage numbers are estimates based on the best information available. However, it should be noted that the occupancy and actual utilization of facilities in Vallejo and San Diego are changing frequently due to the on-going NISEWEST consolidation.

** Numbered photographs are provided on pages immediately following this table.

(3) AFLOAT C4I

Common Support Function	Major Facility or Equipment Description	Unique To			Replacement Cost ($K)	Photo No.**
		DOD	Federal Gov't	U. S.		
* Afloat C4I (90%)shared with Fixed Ground C4I (8%) and Ground Mobile C4I (2%)	SATCOM RF SYSTEMS FACILITY				276.7	1
* Afloat C4I (70%)shared with Fixed Ground C4I (30%)	COMMAND AND CONTROL				171.5	3
* Afloat C4I (85%)shared with Fixed Ground C4I (15%)	TACAN TEST FACILITY				92.9	5
* Afloat C4I (90%)shared with Fixed Ground C4I (8%) and Ground Mobile C4I (2%)	SATCOM RF SYSTEMS FACILITY II				781.5	6

(3) AFLOAT C4I (continued)

Common Support Function	Major Facility or Equipment Description	Unique To			Replacement Cost ($K)	Photo No.**
		DOD	Federal Gov't	U. S.		
* Afloat C4I (90%)shared with Fixed Ground C4I (8%) and Ground Mobile C4I (2%)	TACAN PRODUCTION FACILITY				237.4	7 8
* Afloat C4I (70%)shared with Fixed Ground C4I (30%)	SATCOM RF REPLACEMENT PARTS STAGING				209.7	9
* Afloat C4I (95%)shared with Fixed Ground C4I (5%)	EHF SATCOM DEVELOPMENT FACILITY				80.8	10
* Afloat C4I (95%)shared with Fixed Ground C4I (5%)	SATCOM RF FACILITY				1,771.0	11

(3) AFLOAT C4I (continued)

Common Support Function	Major Facility or Equipment Description	Unique To			Replacement Cost ($K)	Photo No.**
		DOD	Federal Gov't	U. S.		
* Afloat C4I (85%) shared with Fixed Ground C4I (10%) and Ground Mobile C4I (5%)	STAGING FACILITY				461.4	15 16
* Afloat C4I (95%) shared with Ground Mobile C4I (5%)	GLOBAL POSITIONING SYSTEMS FACILITY				462.5	17 18
* Afloat C4I (60%)shared with Fixed Ground C4I (20%) and Ground Mobile C4I (20%)	CRYPTO REPAIR FACILITY				305.8	19

(3) AFLOAT C4I (continued)

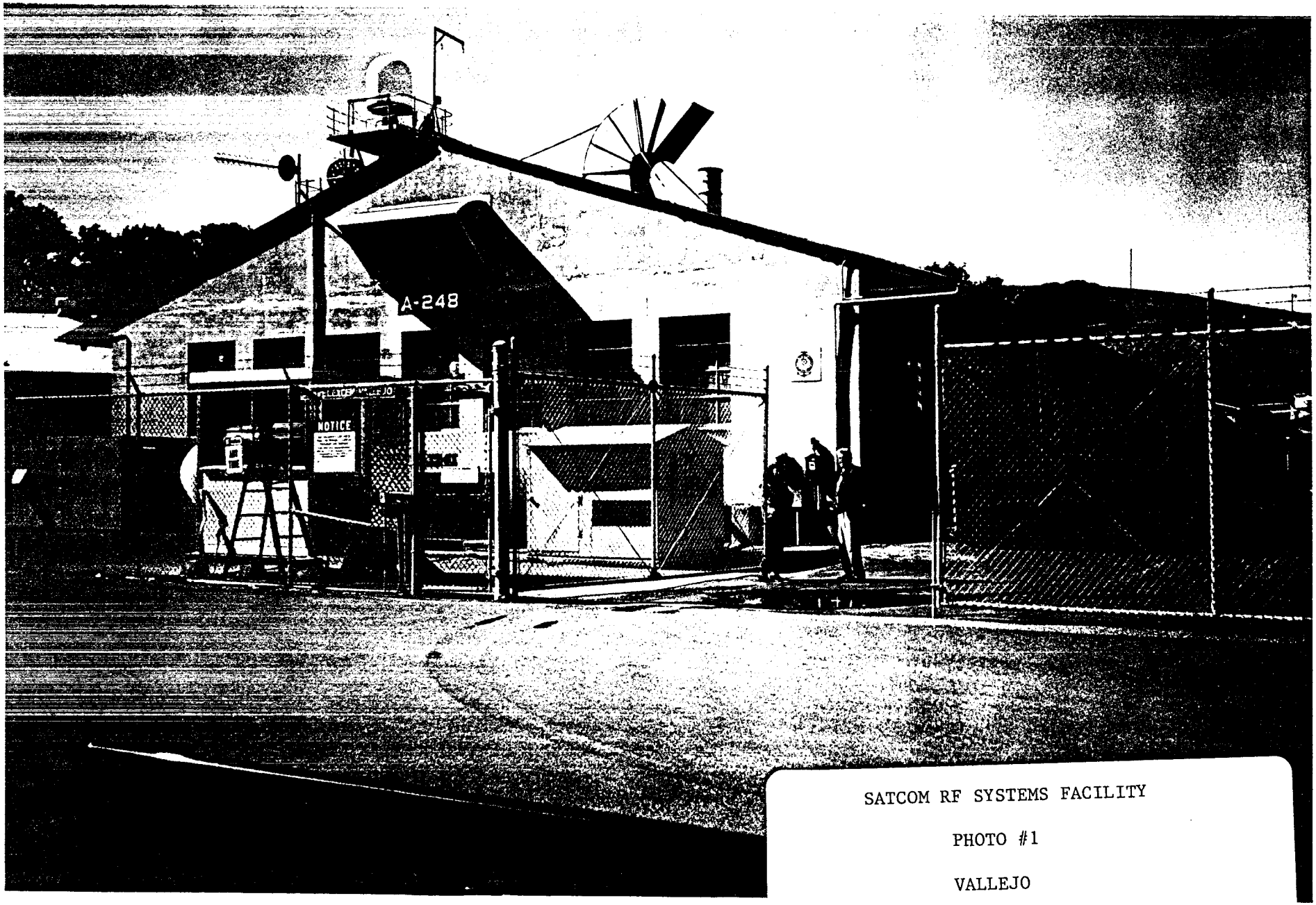
Common Support Function	Major Facility or Equipment Description	Unique To			Replacement Cost ($K)	Photo No.**
		DOD	Federal Gov't	U. S.		
* Afloat C4I (85%)shared with Fixed Ground C4I (15%)	RADIAC CALIBRATION FACILITY				43.7	20
* Afloat C4I	OUTBOARD CALIBRATION LAB				202.5	21 22
* Afloat C4I	OCEAN SURVEILLANCE SYSTEMS				3,064.0	23
* Afloat C4I	SURFACE AND SUBSURFACE ESM TEST FACILITY				17,331.0	23 24 25
* Afloat C4I (95%)shared with Fixed Ground C4I (5%)	LINK 16 DEVELOPMENT AND TEST FACILITY				303.7	26
* Afloat C4I (60%)shared with Fixed Ground C4I (40%)	NAVAIDS FACILITY				439.8	27 27A

(3) AFLOAT C4I (continued)

Common Support Function	Major Facility or Equipment Description	Unique To			Replacement Cost ($K)	Photo No.**
		DOD	Federal Gov't	U. S.		
* Afloat C4I (80%)shared with Fixed Ground C4I (10%) and Ground Mobile C4I (10%)	STAGING FACILITY II				337.5	27 27B
* Afloat C4I (75%)shared with Fixed Ground C4I (20%) and Ground Mobile C4I (5%)	ATE AND RESTORATION FACILITY				13,675.5	30 31 32
* Afloat C4I (70%)shared with Fixed Ground C4I (30%)	NISEWEST HAWAII LABORATORIES				2,500.0	No Photo
* Afloat C4I (70%)shared with Fixed Ground C4I (30%)	NISEWEST HAWAII STAGING AREA				150	No Photo

*These facilities, located at Mare Island Naval Shipyard, will be totally vacated in FY-95. Functions and personnel positions will be transferred to San Diego. Square footage numbers are estimates based on the best information available. However, it should be noted that the occupancy and actual utilization of facilities in Vallejo and San Diego are changing frequently due to the on-going NISEWEST consolidation.

** Numbered photographs are provided on pages immediately following this table.

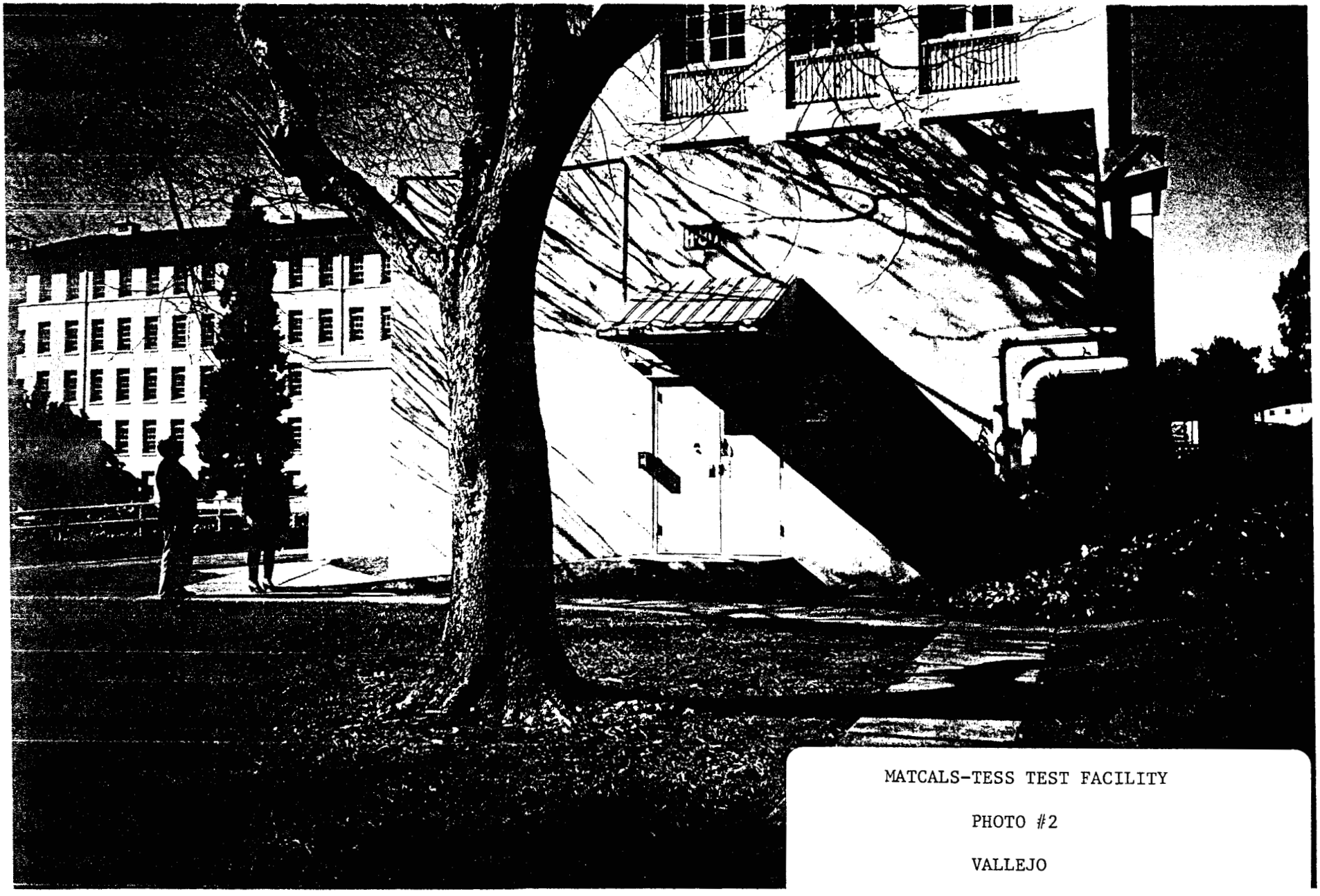


SATCOM RF SYSTEMS FACILITY

PHOTO #1

VALLEJO

UIC N68944

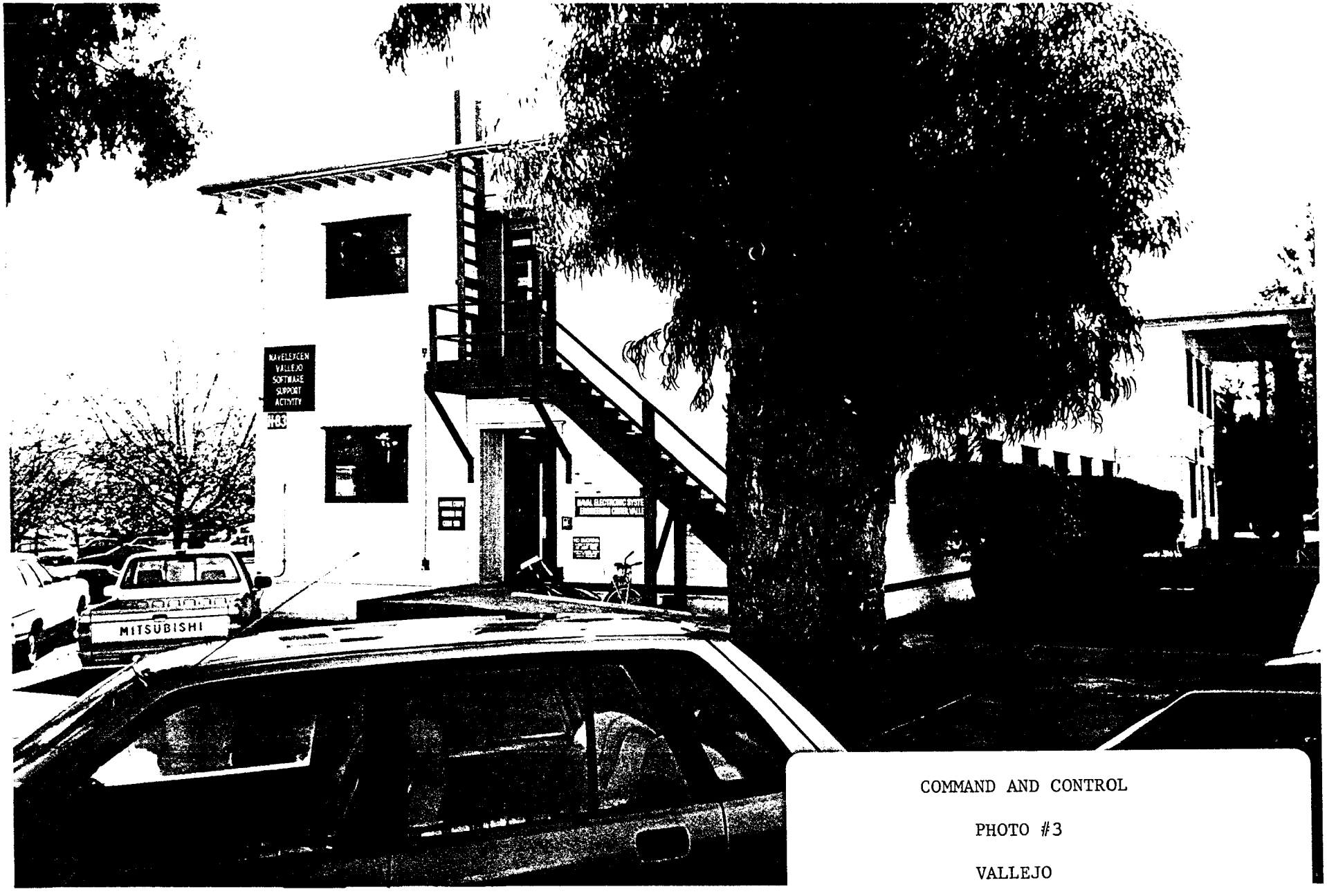


MATCALS-TESS TEST FACILITY

PHOTO #2

VALLEJO

UIC N68944

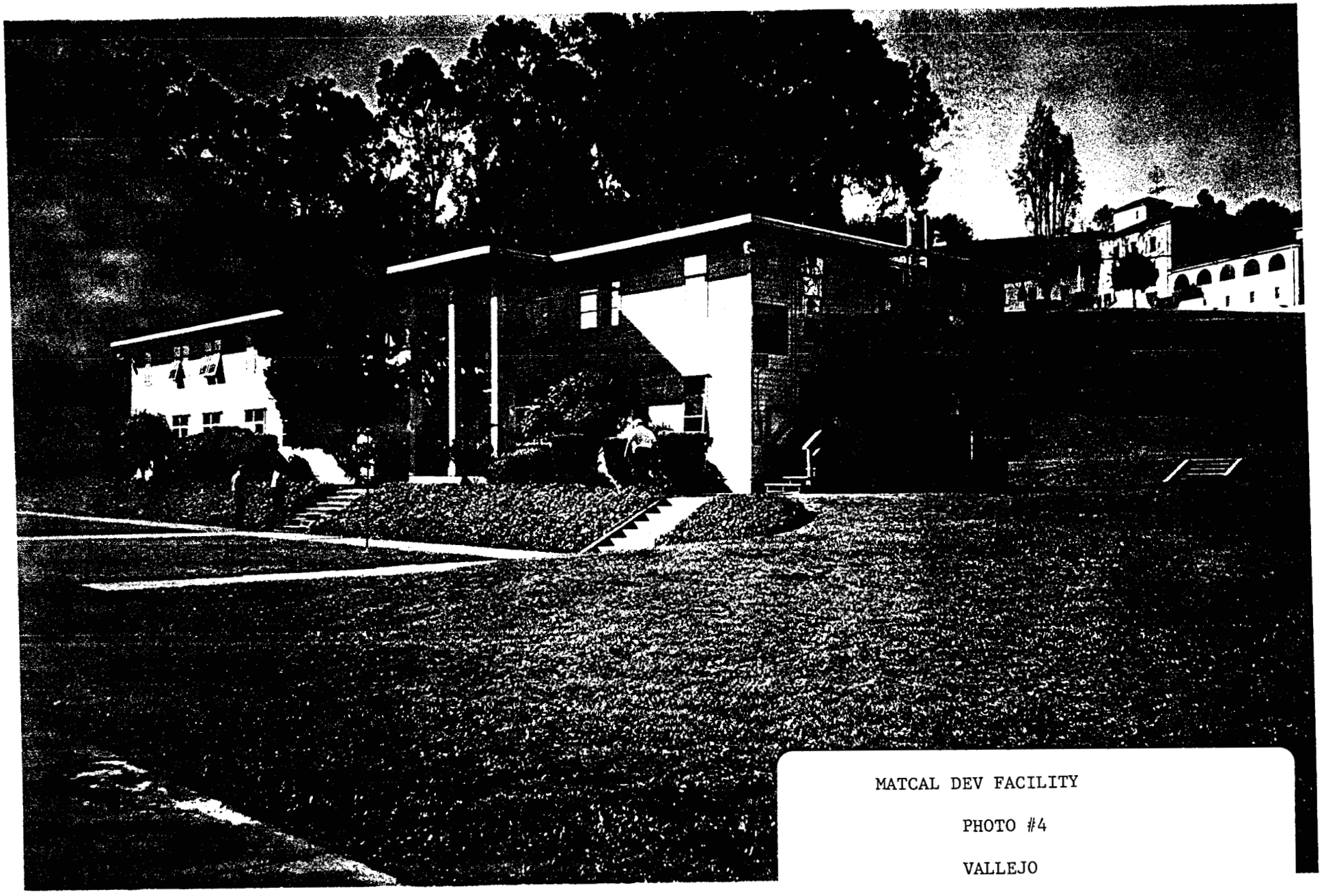


COMMAND AND CONTROL

PHOTO #3

VALLEJO

UIC N68944

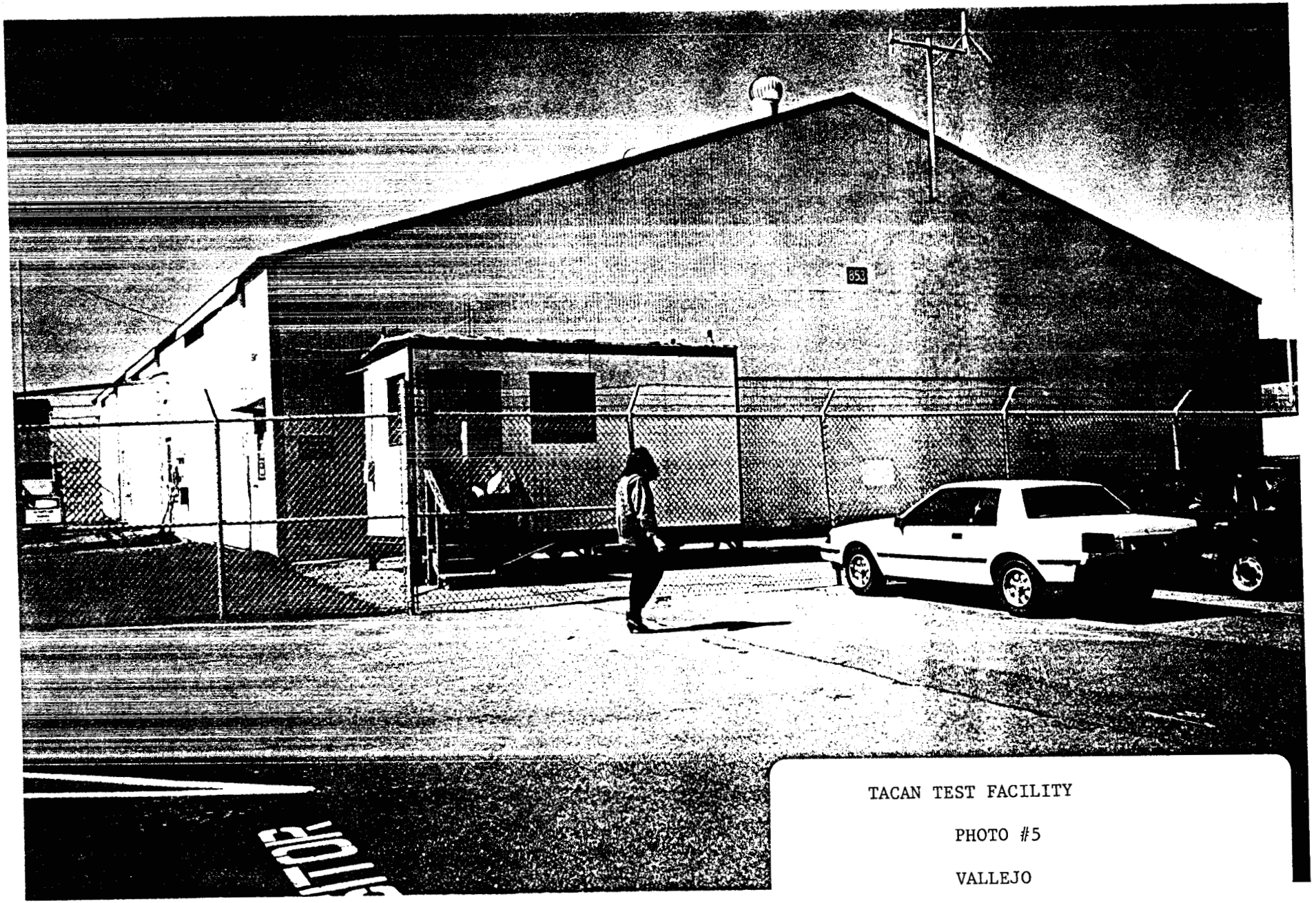


MATCAL DEV FACILITY

PHOTO #4

VALLEJO

UIC N68944

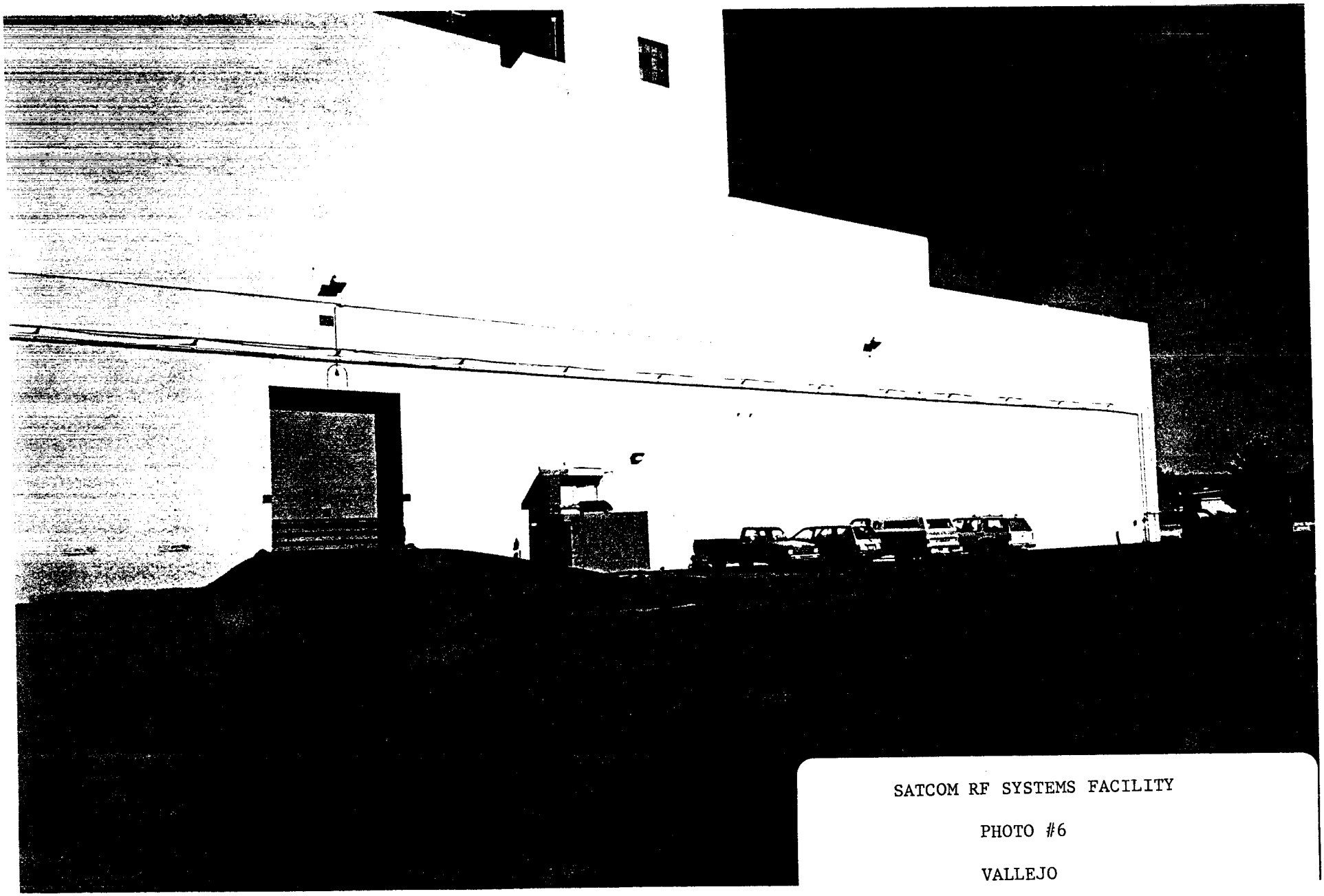


TACAN TEST FACILITY

PHOTO #5

VALLEJO

UIC N68944

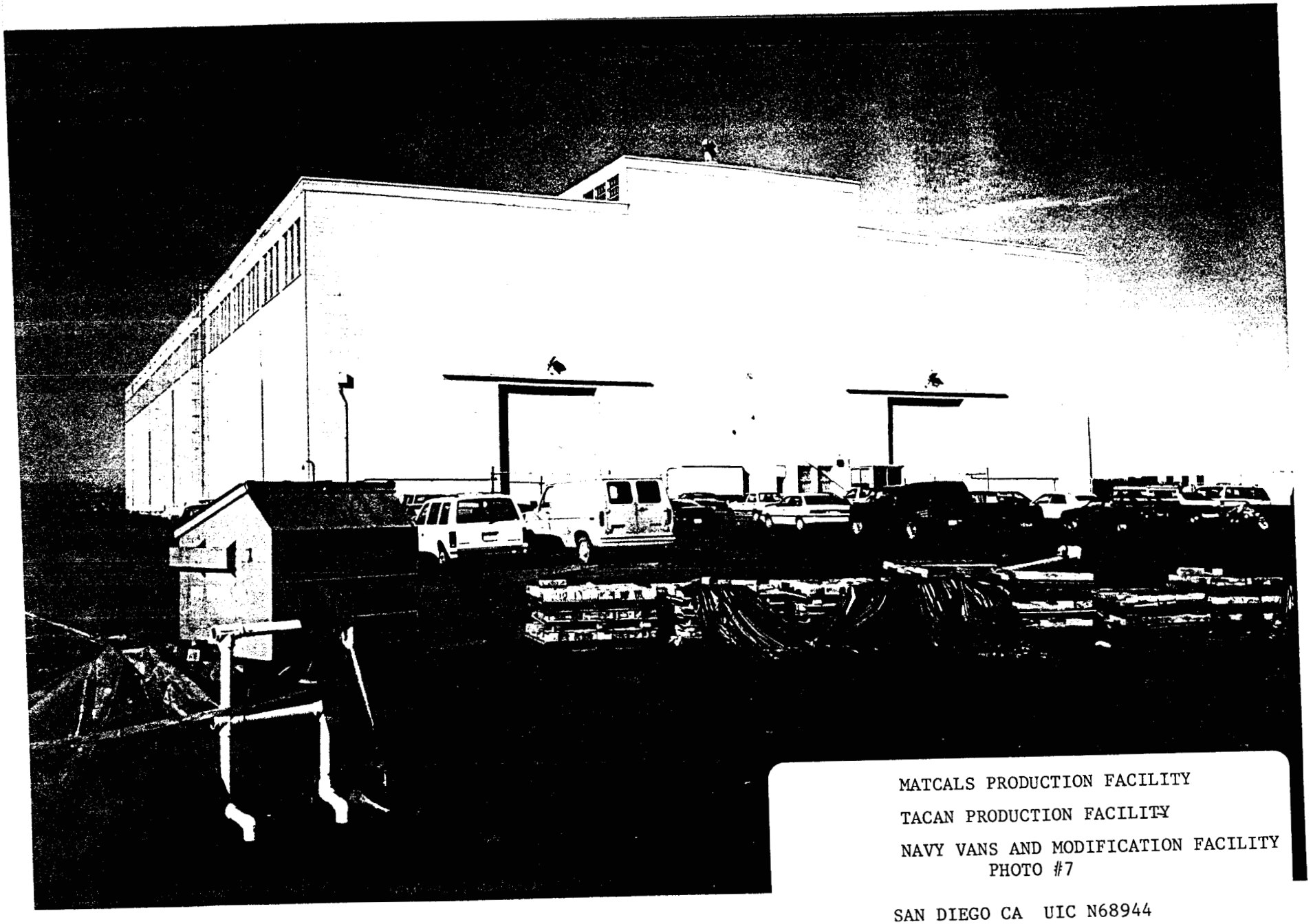


SATCOM RF SYSTEMS FACILITY

PHOTO #6

VALLEJO

UIC N68944

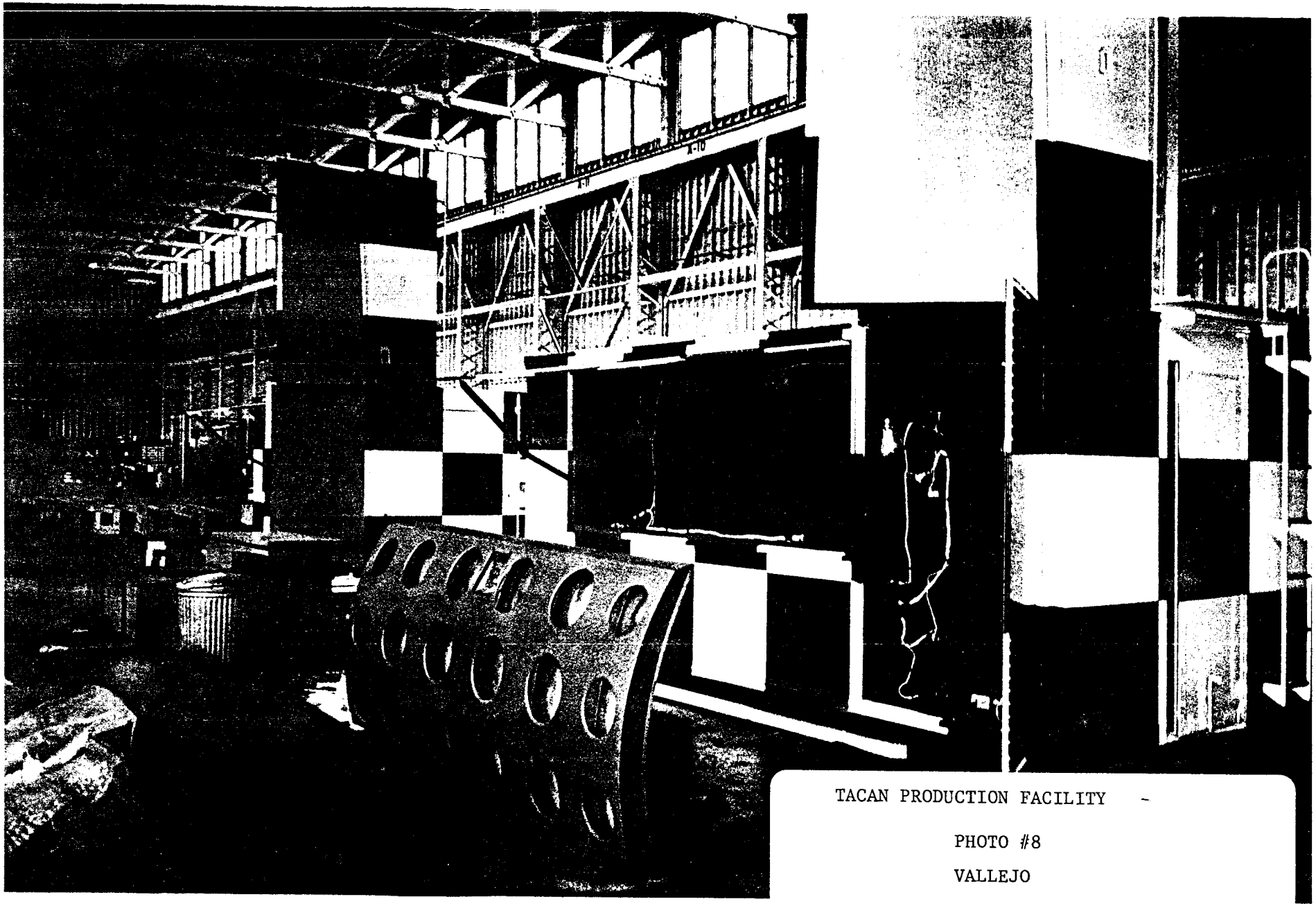


MATCALS PRODUCTION FACILITY

TACAN PRODUCTION FACILITY

NAVY VANS AND MODIFICATION FACILITY
PHOTO #7

SAN DIEGO CA UIC N68944

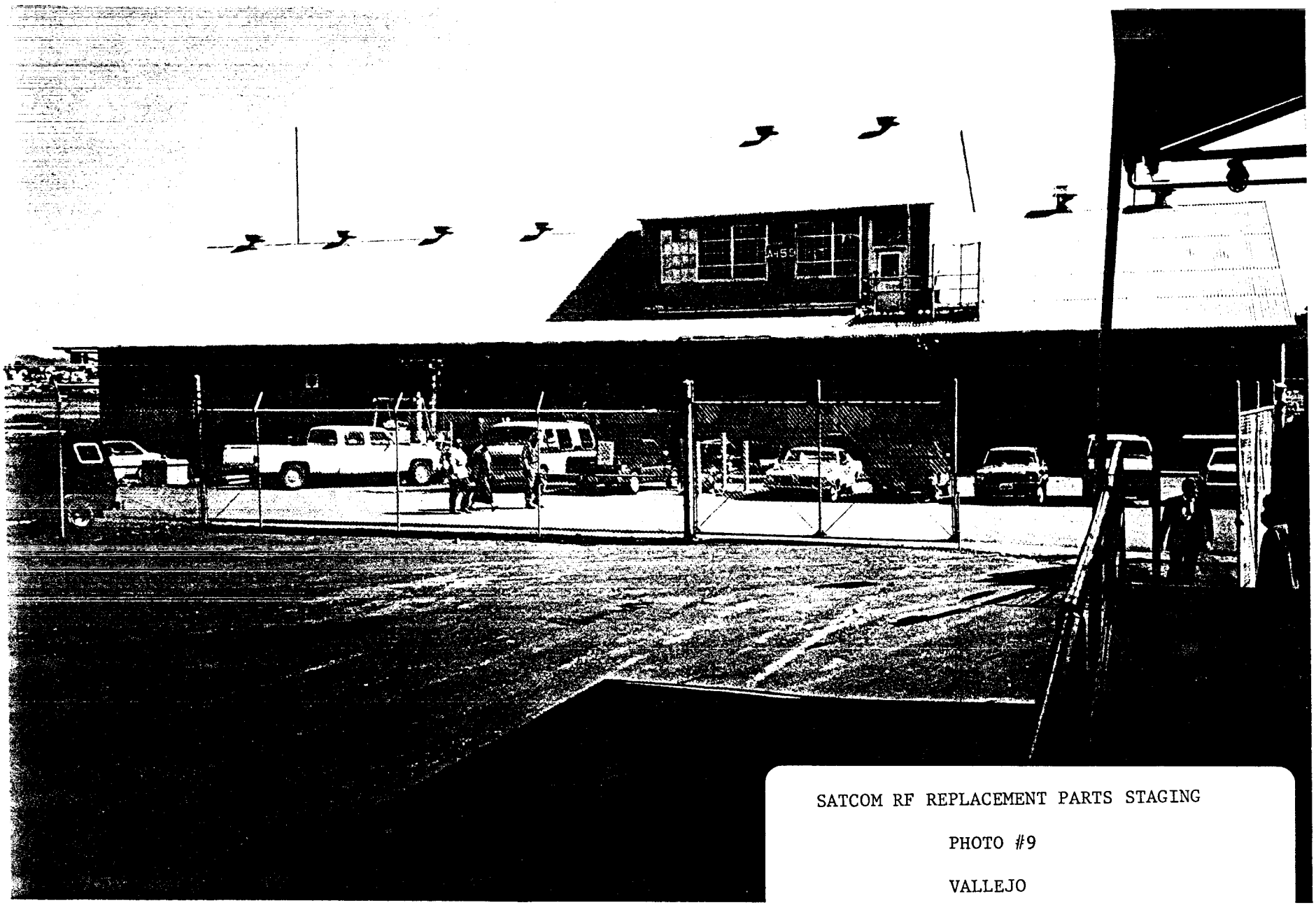


TACAN PRODUCTION FACILITY -

PHOTO #8

VALLEJO

UIC N68944

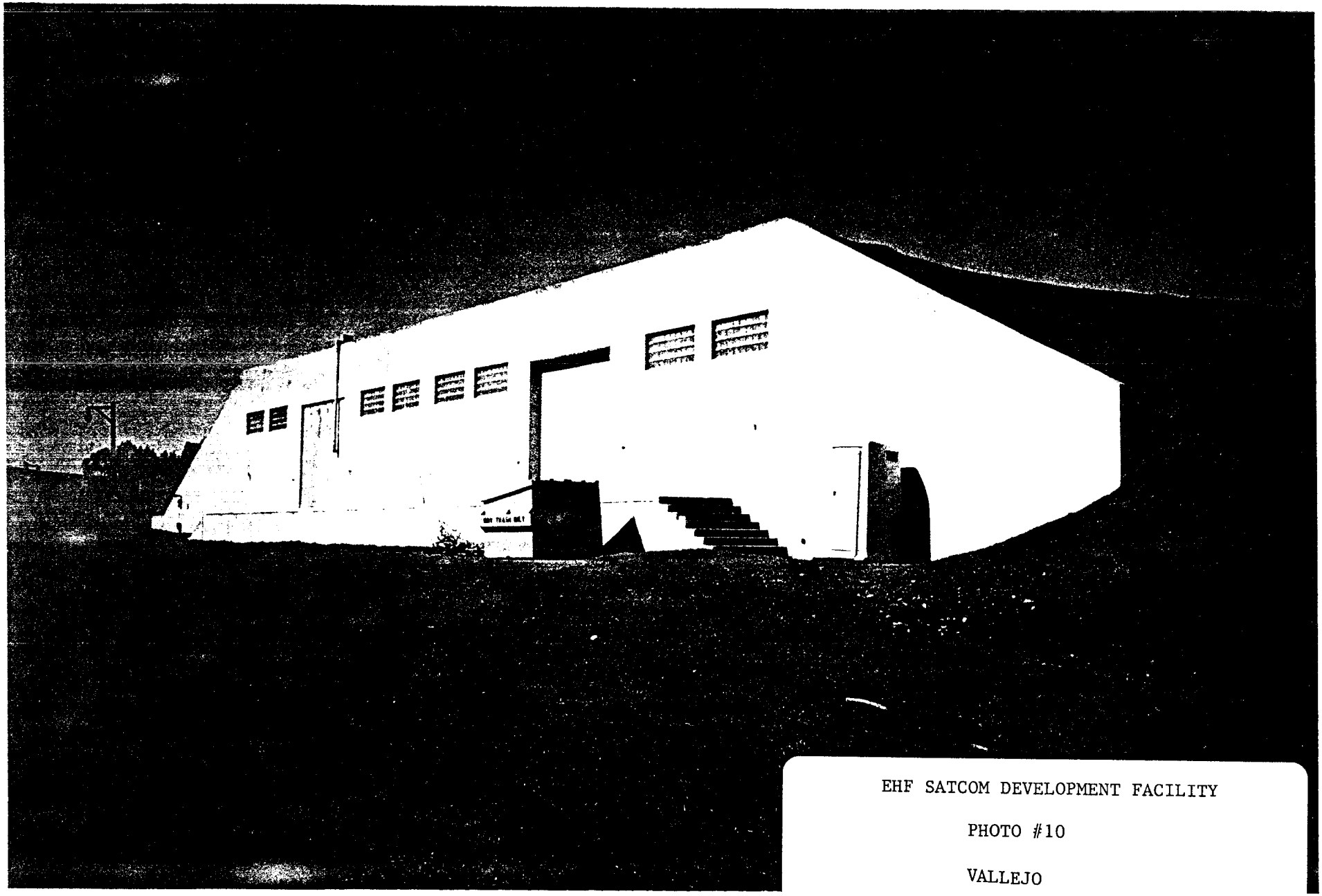


SATCOM RF REPLACEMENT PARTS STAGING

PHOTO #9

VALLEJO

UIC N68944

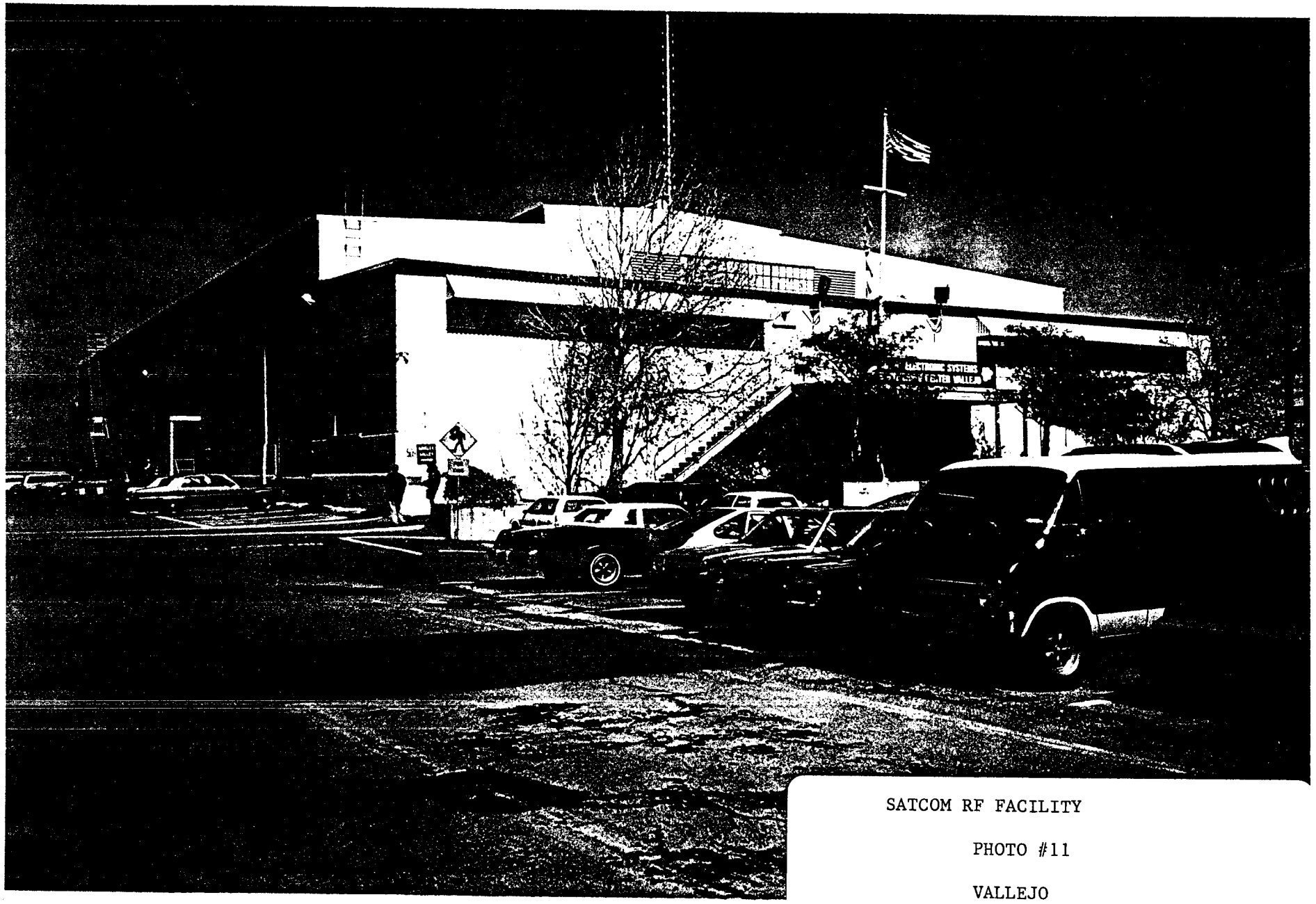


EHF SATCOM DEVELOPMENT FACILITY

PHOTO #10

VALLEJO

UIC N68944

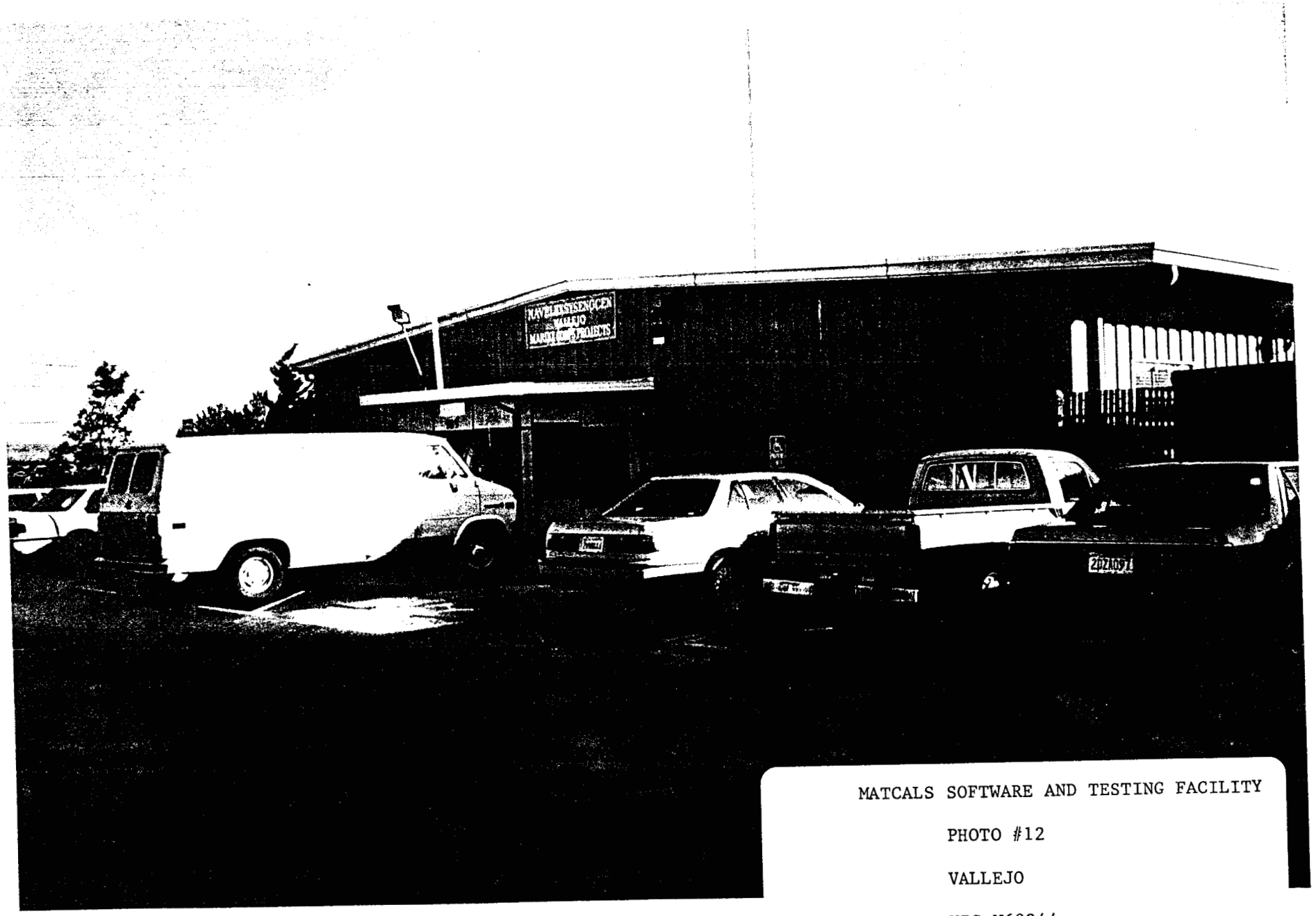


SATCOM RF FACILITY

PHOTO #11

VALLEJO

UIC N68944

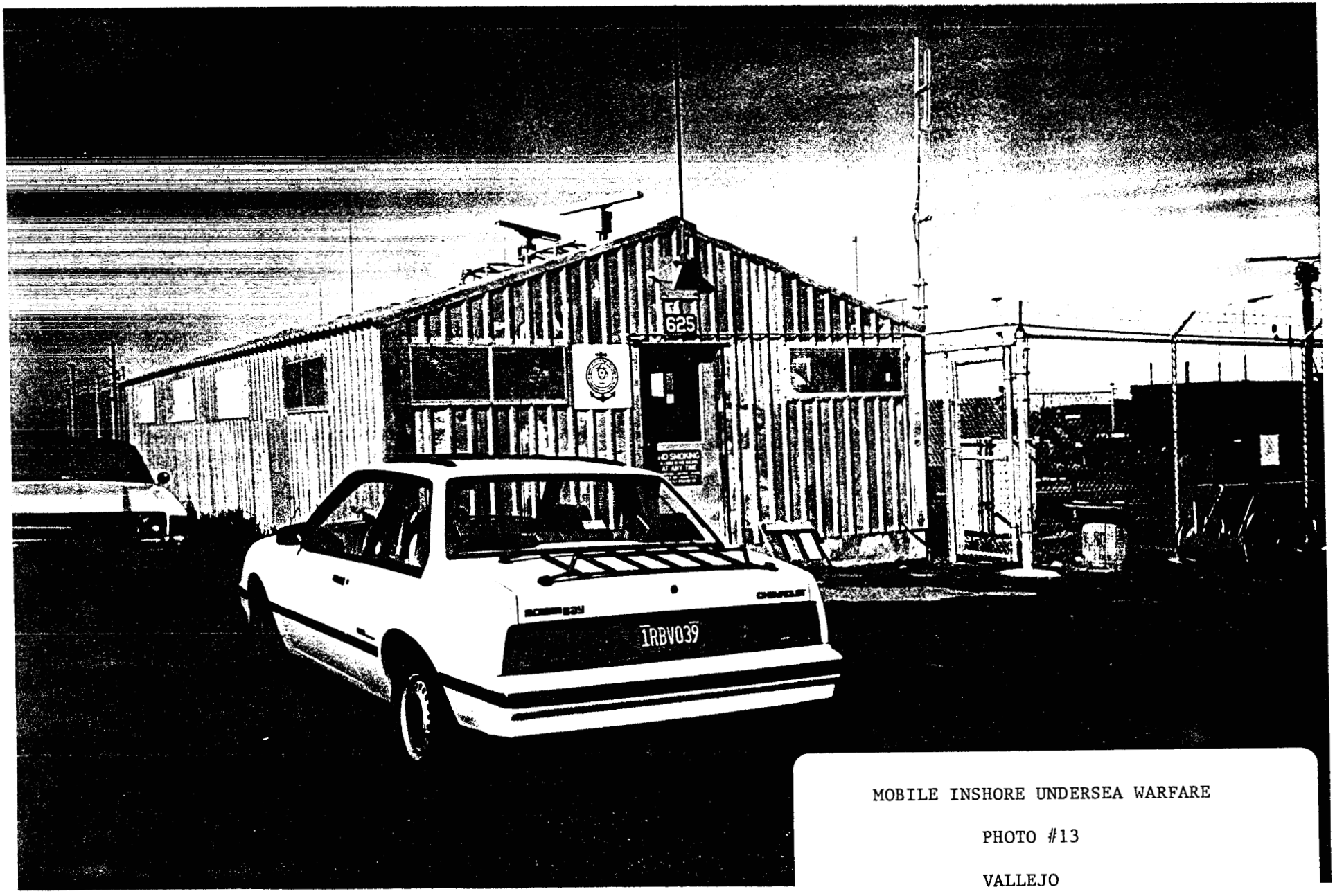


MATCALS SOFTWARE AND TESTING FACILITY

PHOTO #12

VALLEJO

UIC N68944

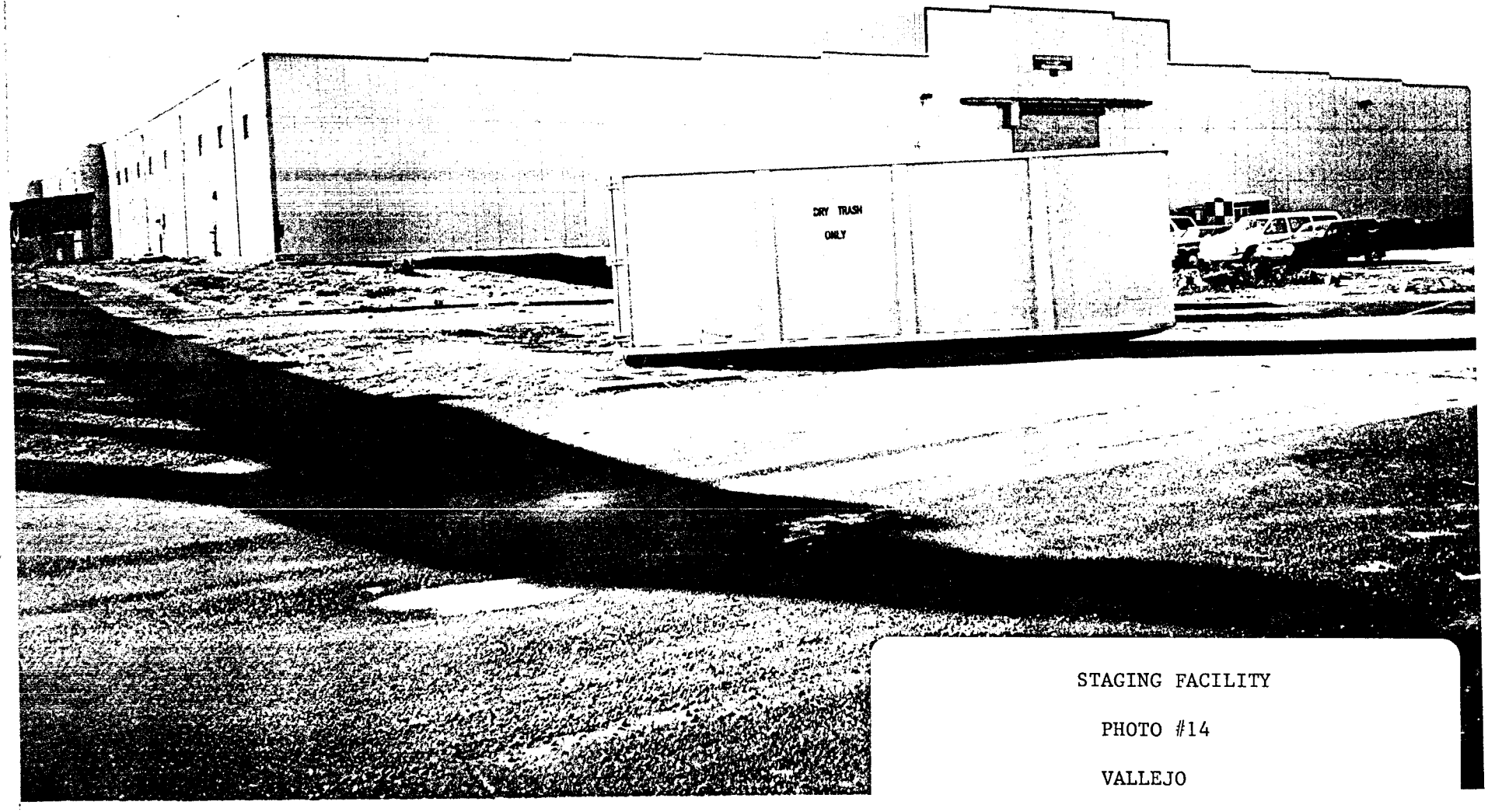


MOBILE INSHORE UNDERSEA WARFARE

PHOTO #13

VALLEJO

UIC N68944



STAGING FACILITY

PHOTO #14

VALLEJO

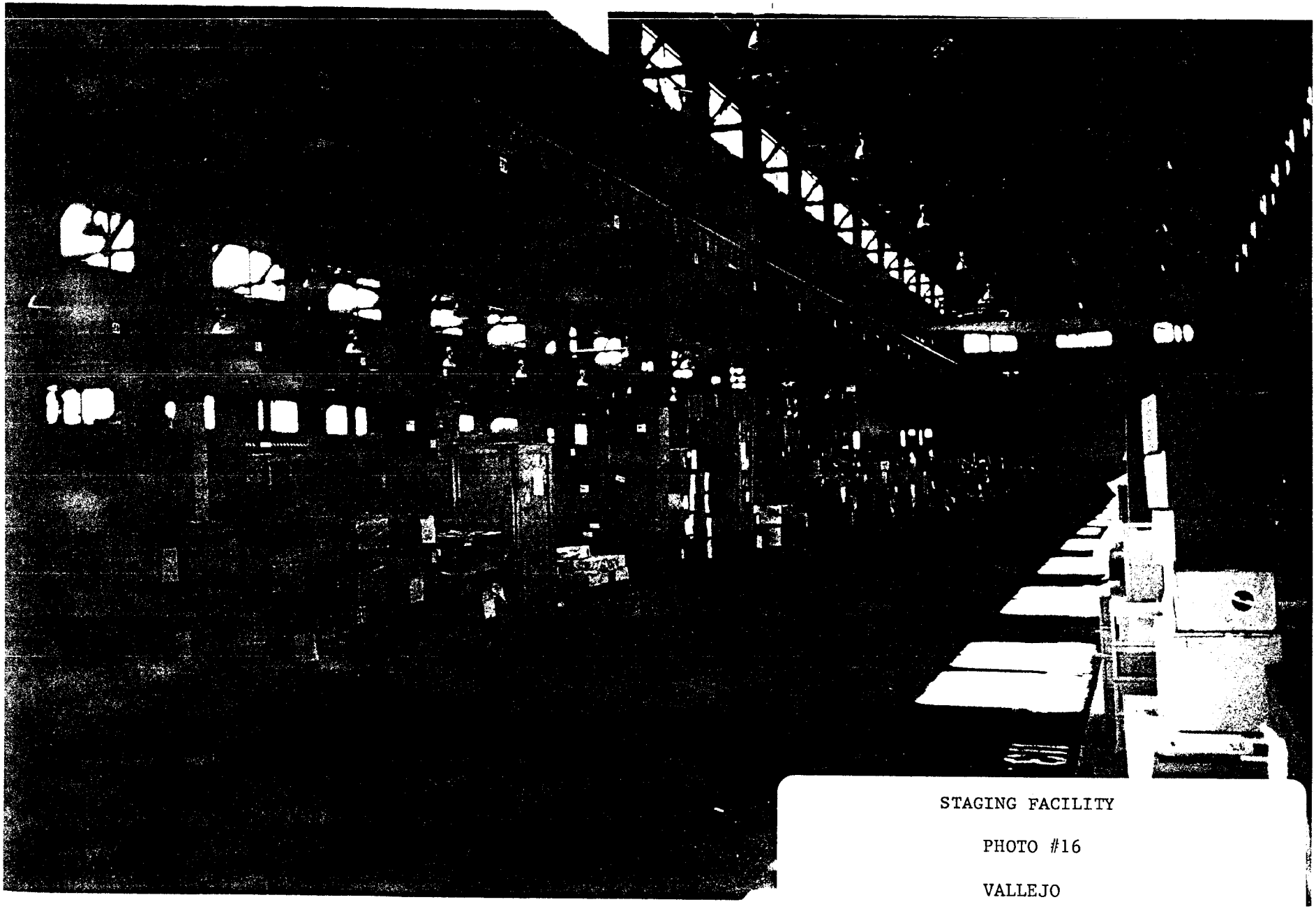
UIC N68944

STAGING FACILITY

PHOTO #15

VALLEJO

UIC N68944

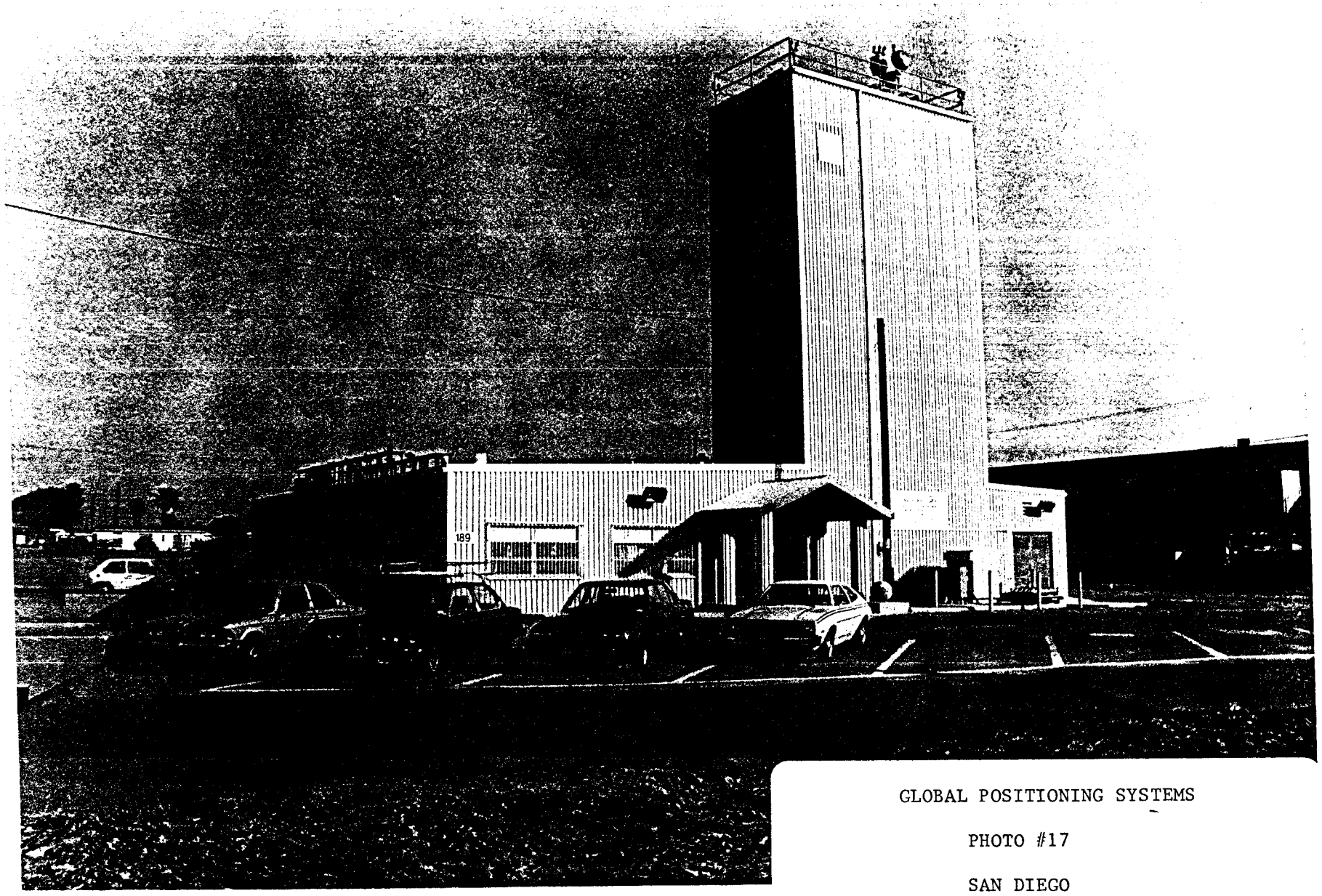


STAGING FACILITY

PHOTO #16

VALLEJO

UIC N68944

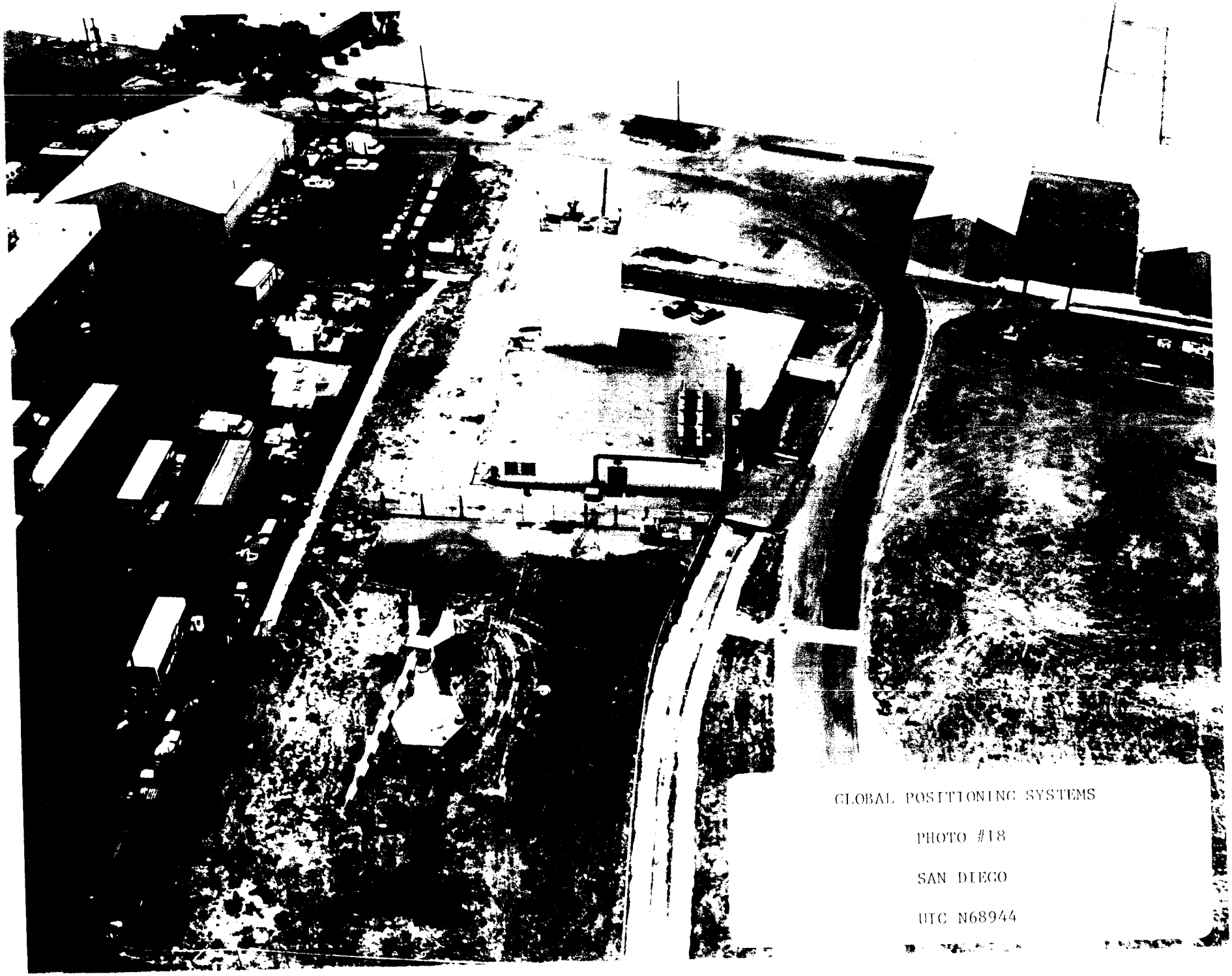


GLOBAL POSITIONING SYSTEMS

PHOTO #17

SAN DIEGO

UIC N68944

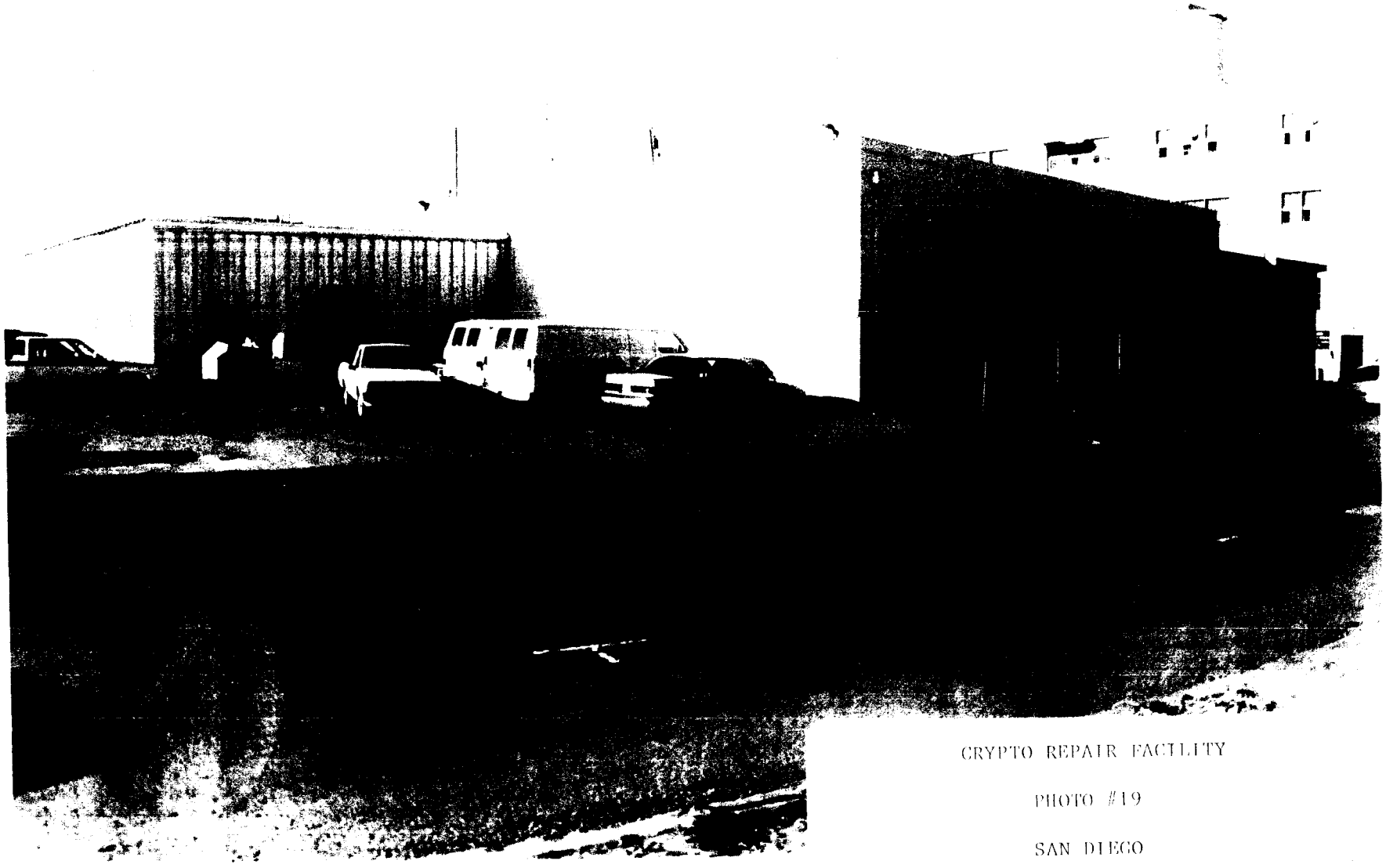


GLOBAL POSITIONING SYSTEMS

PHOTO #18

SAN DIEGO

UTC N68944



CRYPTO REPAIR FACILITY

PHOTO #19

SAN DIEGO

UIC N68944

OUTBOARD CALIBRATION LAB

PHOTO #21

SAN DIEGO

UIC N68944

OUTBOARD CALIBRATION LAB

PHOTO #22

SAN DIEGO

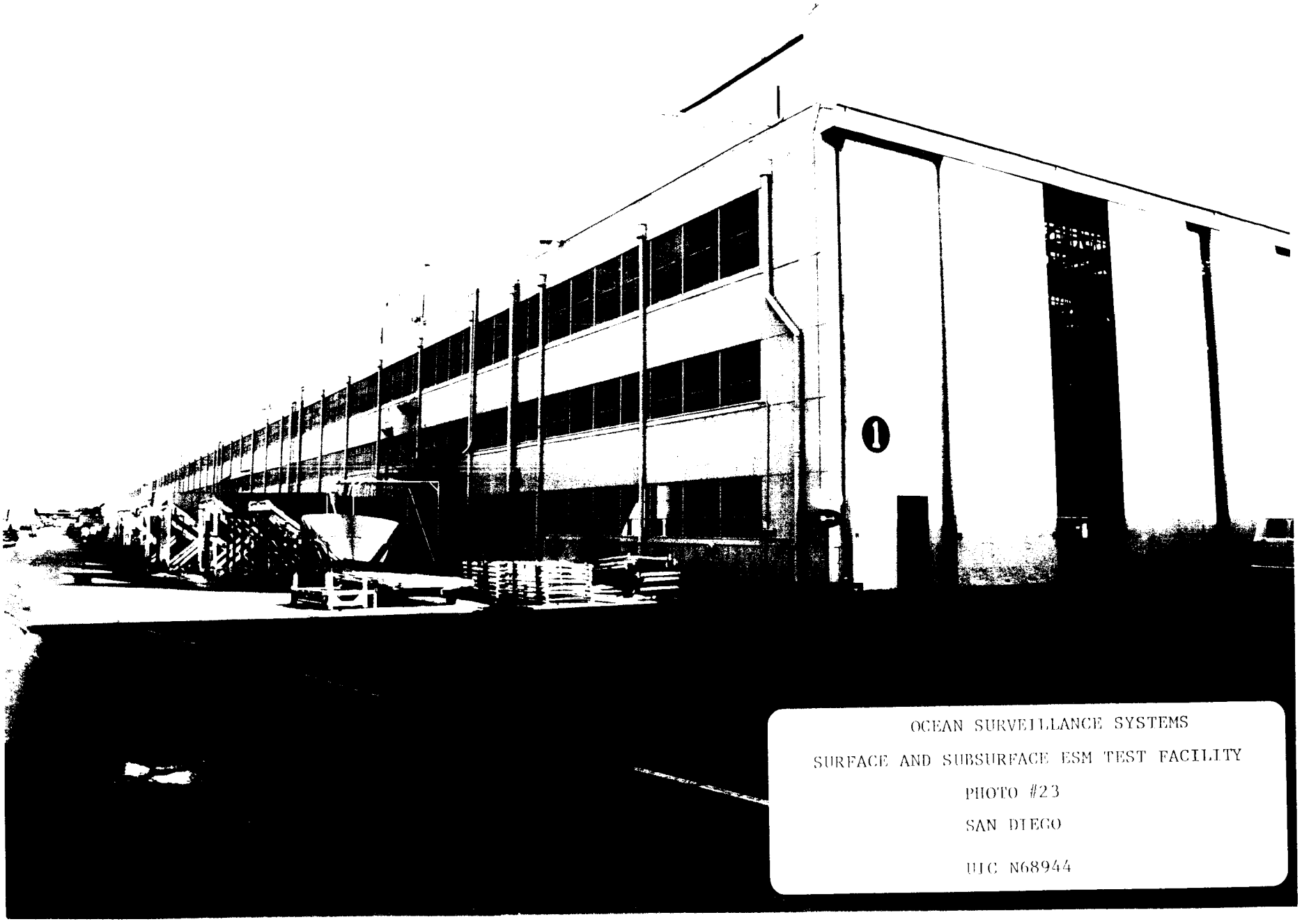
UIC N68944

RADIAC CALIBRATION FACILITY

PHOTO #20

SAN DIEGO

UIC N68944



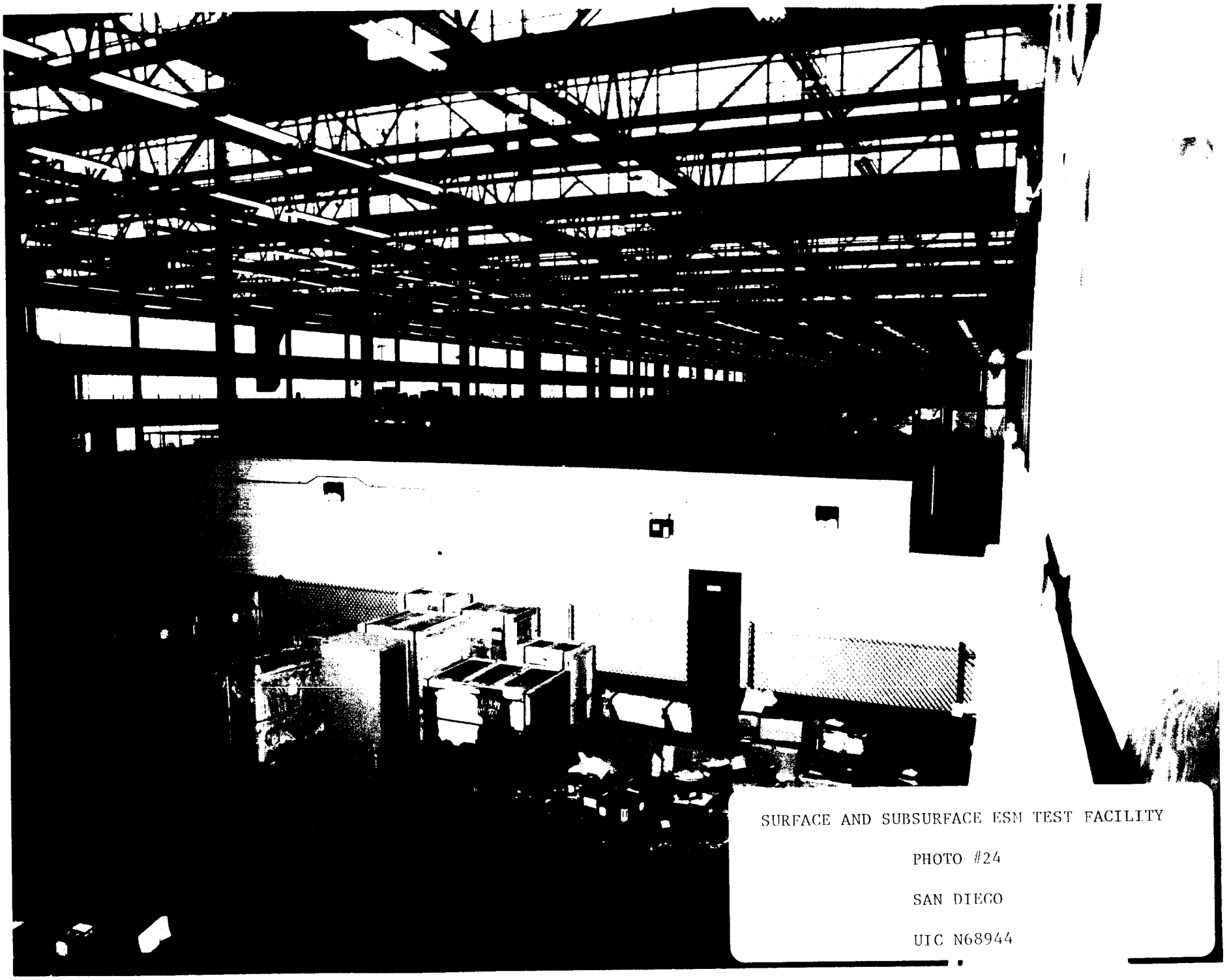
OCEAN SURVEILLANCE SYSTEMS

SURFACE AND SUBSURFACE ESM TEST FACILITY

PHOTO #23

SAN DIEGO

UIC N68944

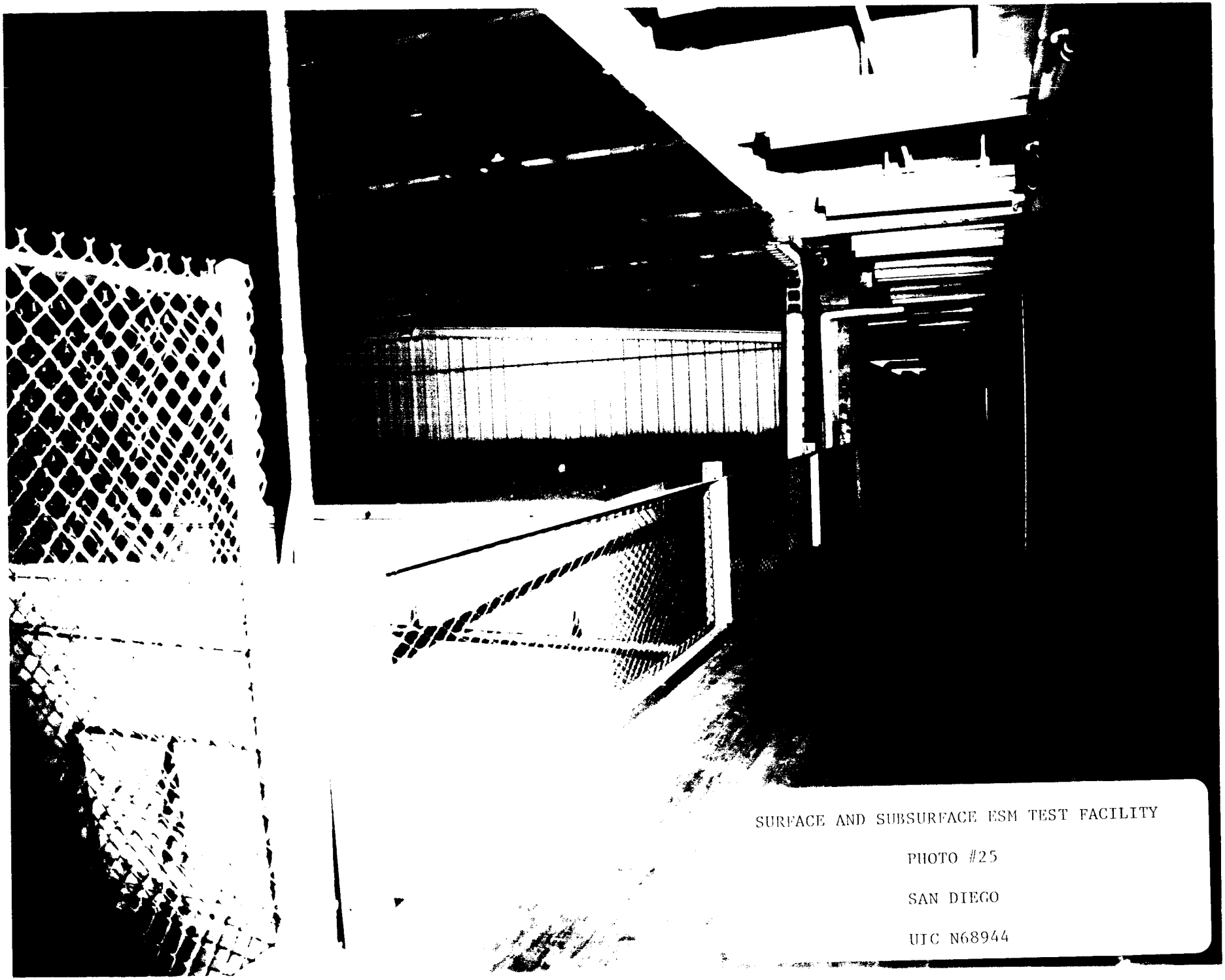


SURFACE AND SUBSURFACE ESM TEST FACILITY

PHOTO #24

SAN DIEGO

UIC N68944

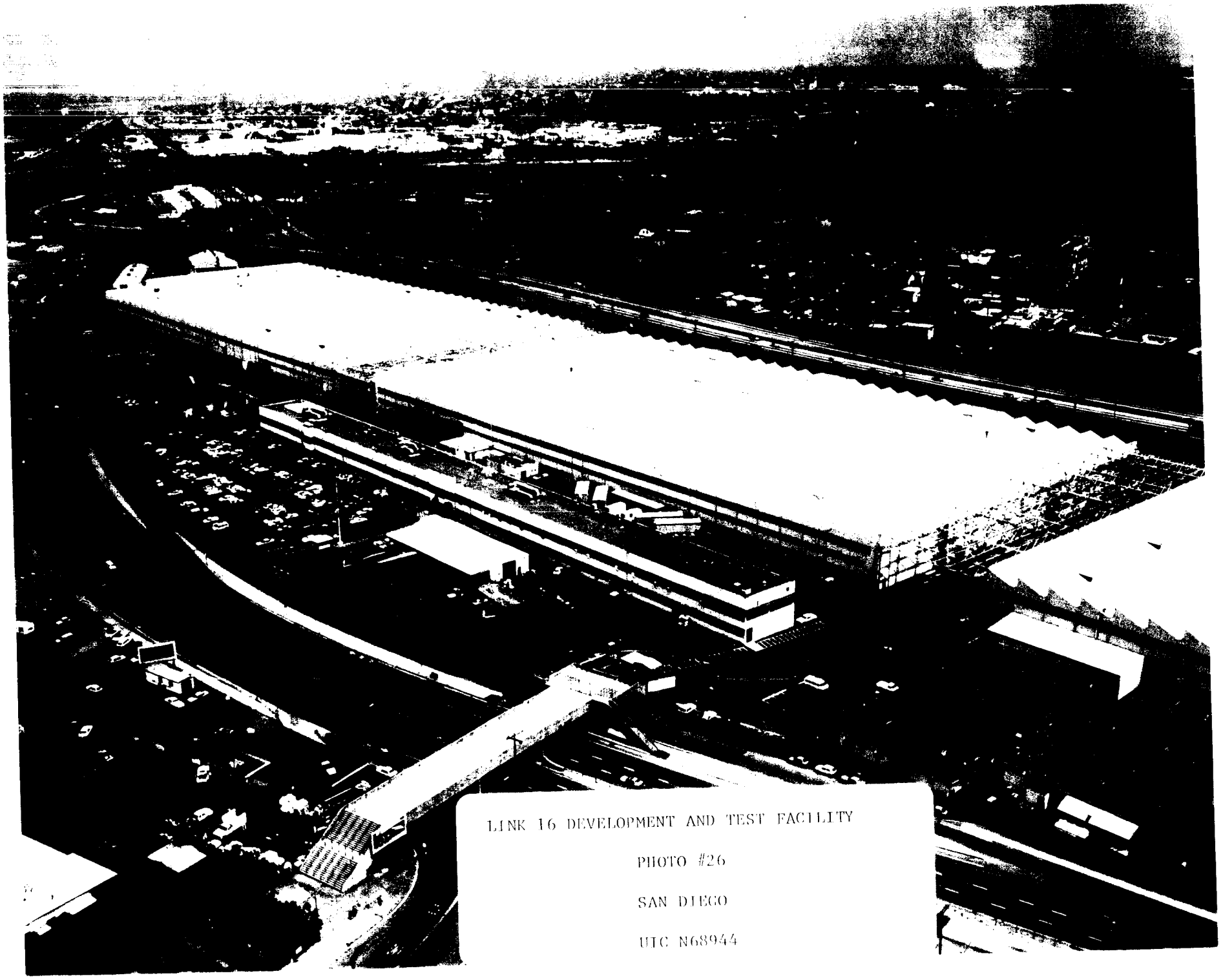


SURFACE AND SUBSURFACE ESM TEST FACILITY

PHOTO #25

SAN DIEGO

UIC N68944



LINK 16 DEVELOPMENT AND TEST FACILITY

PHOTO #26

SAN DIEGO

UIC N68944

NAVAIDS FACILITY

STAGING FACILITY

PHOTO #27

SAN DIEGO

UIC N68944

NAVAIDS FACILITY

PHOTO #27A

SAN DIEGO

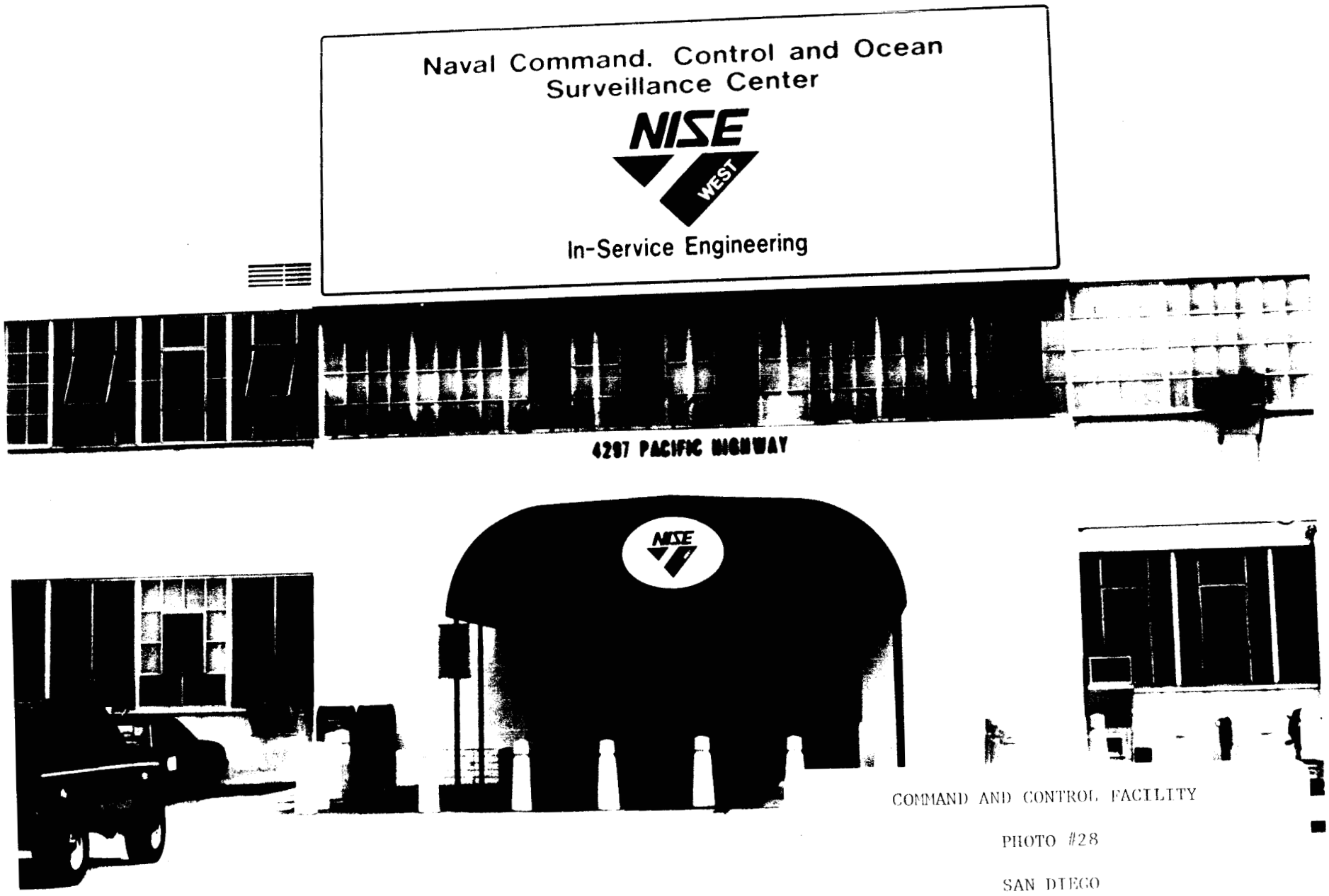
UIC N68944

STAGING FACILITY

PHOTO #27B

SAN DIEGO

UIC N68944



COMMAND AND CONTROL FACILITY

PHOTO #28

SAN DIEGO

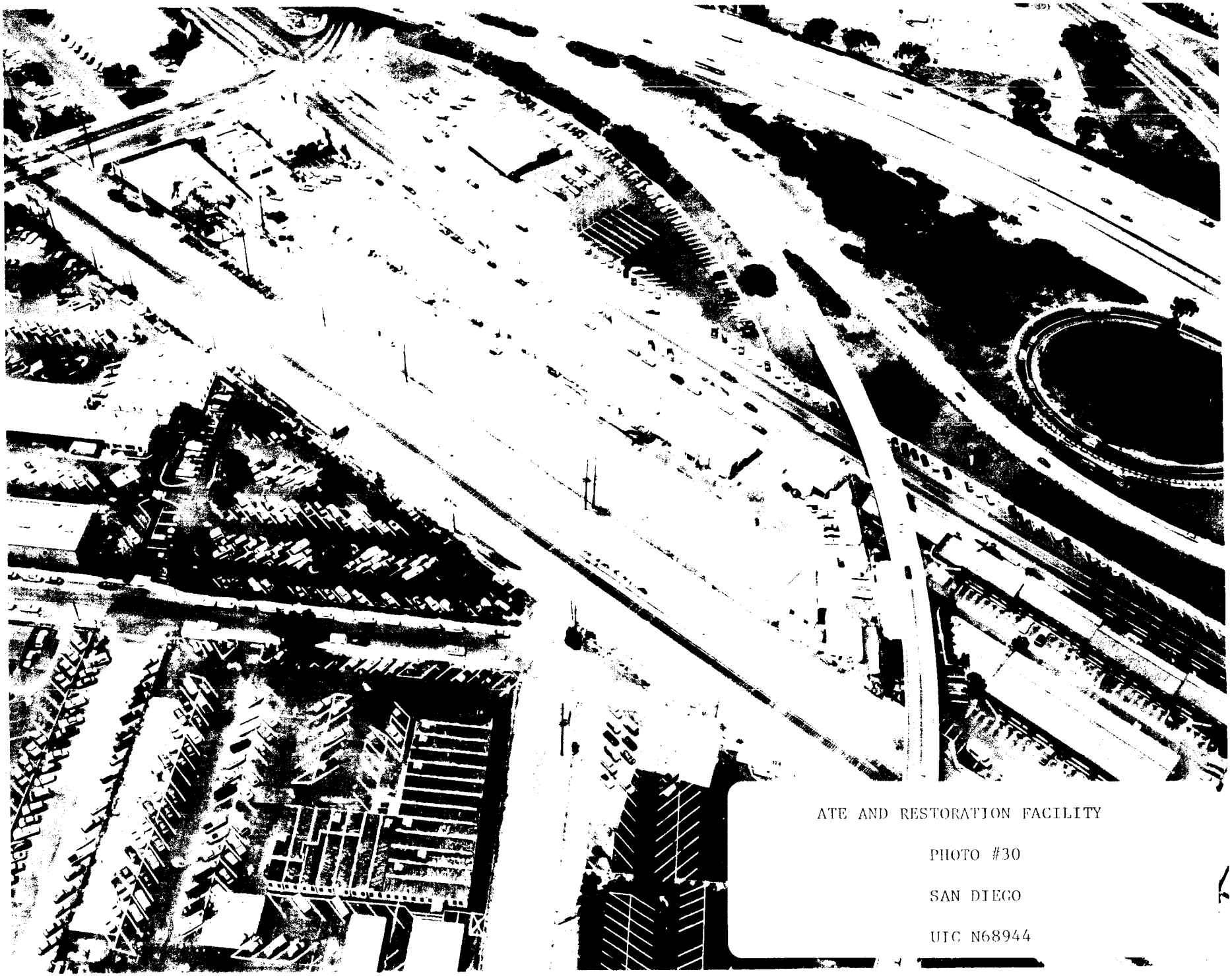
UIC N68944

COMMAND AND CONTROL FACILITY

PHOTO #29

SAN DIEGO

UIC N68944



ATE AND RESTORATION FACILITY

PHOTO #30

SAN DIEGO

UIC N68944

ATE AND RESTORATION FACILITY

PHOTO #31

SAN DIEGO

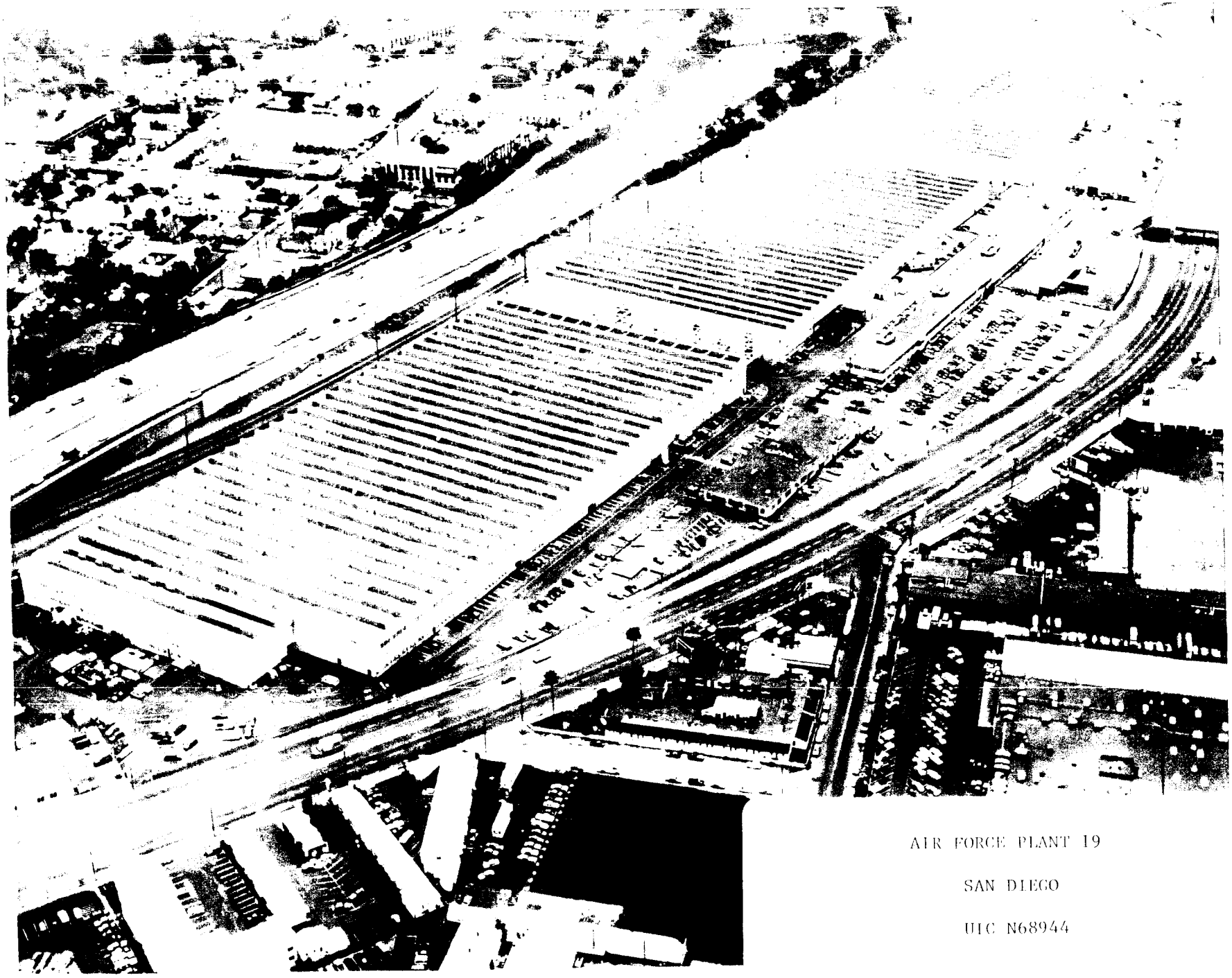
UIC N68944

ATE AND RESTORATION FACILITY

PHOTO #32

SAN DIEGO

UIC N68944



AIR FORCE PLANT 19

SAN DIEGO

UIC N68944

3.5 Expansion Potential

3.5.1 **Laboratory Facilities:** Use facilities records as of fourth-quarter FY93 in answering the following (in sq ft) for each CSF: (BRAC Criteria II)

(1) FIXED GROUND BASED C4I:

Common Support Function	Facility or Equipment Description	Type of Space	Space Capacity (KSF)		
			Current	Used	Excess
Fixed Ground C4I	COMMAND AND CONTROL FACILITY San Diego	Administrative	28.0	28.0	
Fixed Ground C4I	CARIBROC LABS San Diego	Technical	1.8	1.8	
Fixed Ground C4I	NISEWEST HAWAII LABORATORIES	Technical	15.0	15.0	
Fixed Ground C4I	NISEWEST HAWAII STAGING FACILITY	Staging	18.0	18.0	

(1) FIXED GROUND BASED C4I: (continued)

Common Support Function	Facility or Equipment Description	Type of Space	Space Capacity (KSF)		
			Current	Used	Excess
* Fixed Ground C4I (8%) shared with Afloat C4I (90%) and Ground Mobile C4I (2%)	SATCOM RF SYSTEMS FACILITY	Technical	14.7	14.7	
* Fixed Ground C4I (30%) shared with Afloat C4I (70%)	COMMAND AND CONTROL	Technical	16.9	16.9	
* Fixed Ground C4I (15%) shared with Afloat C4I (85%)	TACAN TEST FACILITY	Technical	8.5	8.5	
* Fixed Ground C4I (8%) shared with Afloat C4I (90%) and Ground Mobile C4I (2%)	SATCOM RF SYSTEMS FACILITY II	Technical	60.1	60.1	
* Fixed Ground C4I (15%) shared with Afloat C4I (85%)	TACAN PRODUCTION FACILITY	Technical	5.9	5.9	

(1) FIXED GROUND BASED C4I: (continued)

Common Support Function	Facility or Equipment Description	Type of Space	Space Capacity (KSF)		
			Current	Used	Excess
* Fixed Ground C4I (15%) shared with Afloat C4I (85%)	SATCOM RF PARTS STAGING	Technical	5.4	5.4	
* Fixed Ground C4I (5%) shared with Afloat C4I (95%)	EHF SATCOM DEVELOPMENT FACILITY	Technical	5.5	5.5	
* Fixed Ground C4I (5%) shared with Afloat C4I (95%)	SATCOM RF FACILITY	Technical	53.4	53.4	
* Fixed Ground C4I (10%) shared with Afloat C4I (85%) and Ground Mobile C4I (5%)	STAGING FACILITY	Staging	115.1	115.1	
Fixed Ground C4I (20%) shared with Afloat C4I (60%) and Ground Mobile C4I (20%)	CRYPTO REPAIR FACILITY	Technical	7.8	7.8	

(1) FIXED GROUND BASED C4I: (continued)

Common Support Function	Facility or Equipment Description	Type of Space	Space Capacity (KSF)		
			Current	Used	Excess
Fixed Ground C4I (15%) shared with Afloat C4I (85%)	RADIAC CALIBRATION FACILITY	Technical	3.9	3.9	
*** Fixed Ground C4I (5%) shared with Afloat C4I (95%)**	LINK 16 FAC	Technical	25.0	25.0	
*** Fixed Ground C4I (40%) shared with Afloat C4I (60%)**	NAVAIDS FACILITY	Technical	54.7	54.7	
*** Fixed Ground C4I (10%) shared with Afloat C4I (80%) and Ground Mobile C4I (10%)**	STAGING FACILITY	Staging	62.5	62.5	
Fixed Ground C4I (20%) shared with Afloat C4I (75%) and Ground Mobile C4I (5%)	ATE AND RESTORATION FACILITY	Technical	66.0	66.0	

*These facilities, located at Mare Island Naval Shipyard, will be totally vacated in FY-95. Functions and personnel positions will be transferred to San Diego. Square footage numbers are estimates based on the best information available. However, it should be noted that the occupancy and actual utilization of facilities in Vallejo and San Diego are changing frequently due to the on-going NISEWEST consolidation.

(2) GROUND MOBILE C4I:

Common Support Function	Facility or Equipment Description	Type of Space	Space Capacity (KSF) (Vallejo Location)		
			Current	Used	Excess
*Ground Mobile C4I	NAVY VANS MOD. FACILITY	Technical	15.9	15.9	
*Ground Mobile C4I	MATCALS -TESS TEST FACILITY	Technical	10.6	10.6	
*Ground Mobile C4I	MATCAL DEV. FACILITY	Technical	9.1	9.1	
*Ground Mobile C4I	MATCALS PRODUCTION FACILITY	Technical	31.7	31.7	
*Ground Mobile C4I	MATCALS SOFTWARE AND TESTING FACILITY	Technical	5.4	5.4	
*Ground Mobile C4I	MIUW VANS	Technical	1.0	1.0	
*Ground Mobile C4I	STAGING FACILITY	Staging	155.4	155.4	
* Ground Mobile C4I (2%) shared with Afloat C4I (90%) and Fixed Ground C4I (8%)	SATCOM RF SYSTEMS FACILITY	Technical	14.7	14.7	

(2) GROUND MOBILE C4I: (continued)

Common Support Function	Facility or Equipment Description	Type of Space	Space Capacity (KSF)		
			Current	Used	Excess
*** Ground Mobile C4I (2%) shared with Afloat C4I (90%) and Fixed Ground C4I (8%)**	SATCOM RF SYSTEMS FACILITY	Technical	60.1	60.1	
*** Ground Mobile C4I (5%) shared with Afloat C4I (85%) and Fixed Ground C4I (10%)**	STAGING FACILITY	Staging	115.1	115.1	
Ground Mobile C4I (5%) shared with Afloat C4I (95%)	GPS FACILITY	Technical	1.3	1.3	
Ground Mobile C4I (20%) shared with Afloat C4I (60%) and Fixed Ground C4I (20%)	CRYPTO REPAIR FACILITY	Technical	7.8	7.8	

(2) GROUND MOBILE C4I: (continued)

Common Support Function	Facility or Equipment Description	Type of Space	Space Capacity (KSF)		
			Current	Used	Excess
*** Ground Mobile C4I (10%) shared with Afloat C4I (80%) and Fixed Ground C4I (10%)**	STAGING FACILITY	Staging	62.5	62.5	
Ground Mobile C4I (5%) shared with Afloat C4I (75%) and Fixed Ground C4I (5%)	ATE AND RESTORATION FACILITY	Technical	66.0	66.0	

*These facilities, located at Mare Island Naval Shipyard, will be totally vacated in FY-95. Functions and personnel positions will be transferred to San Diego. Square footage numbers are estimates based on the best information available. However, it should be noted that the occupancy and actual utilization of facilities in Vallejo and San Diego are changing frequently due to the on-going NISEWEST consolidation.

(3) AFLOAT C4I

Common Support Function	Facility or Equipment Description	Type of Space	Space Capacity (KSF)		
			Current	Used	Excess
*** Afloat C4I (90%) shared with Fixed Ground C4I (8%) and Ground Mobile C4I (2%)**	SATCOM RF SYSTEMS FACILITY	Technical	14.7	14.7	
*** Afloat C4I (70%) shared with Fixed Ground C4I (30%)**	COMMAND AND CONTROL	Technical	16.9	16.9	
*** Afloat C4I (85%) shared with Fixed Ground C4I (15%)**	TACAN TEST FACILITY	Technical	8.5	8.5	
*** Afloat C4I (90%) shared with Fixed Ground C4I (8%) and Ground Mobile C4I (2%)**	SATCOM RF SYSTEMS FACILITY II	Technical	60.1	60.1	
*** Afloat C4I (85%) shared with Fixed Ground C4I (15%)**	TACAN PRODUCTION FACILITY	Technical	5.9	5.9	

(3) AFLOAT C4I (continued)

Common Support Function	Facility or Equipment Description	Type of Space	Space Capacity (KSF)		
			Current	Used	Excess
* Afloat C4I (85%) shared with Fixed Ground C4I (15%)	SATCOM RF PARTS STAGING	Technical	5.4	5.4	
* Afloat C4I (95%) shared with Fixed Ground C4I (5%)	EHF SATCOM DEVELOPMENT FACILITY	Technical	5.5	5.5	
* Afloat C4I (95%) shared with Fixed Ground C4I (5%)	SATCOM RF FACILITY	Technical	53.4	53.4	
* Afloat C4I (85%) shared with Fixed Ground C4I (10%) and Ground Mobile C4I (5%)	STAGING FACILITY	Staging	115.1	115.1	
* Afloat C4I (95%) shared with Fixed Ground C4I (5%)	GPS FACILITY	Technical	1.3	1.3	

(3) AFLOAT C4I (continued)

Common Support Function	Facility or Equipment Description	Type of Space	Space Capacity (KSF)		
			Current	Used	Excess
*** Afloat C4I (60%) shared with Fixed Ground C4I (20%) and Ground Mobile C4I (20%)**	CRYPTO REPAIR FACILITY	Technical	7.8	7.8	
Afloat C4I (85%) shared with Fixed Ground C4I (15%)	RADIAC CALIBRATION FACILITY	Technical	3.9	3.9	
Afloat C4I	OUTBOARD CALIBRATION LAB	Technical	1.0	1.0	
Afloat C4I	OCEAN SURVEILLANCE SYSTEMS	Technical	81.1	81.1	
Afloat C4I	SURFACE AND SUBSURFACE ESM TEST FACILITY	Technical	22.0	22.0	
*** Afloat C4I (95%) shared with Fixed Ground C4I (5%)**	LINK 16 FAC	Technical	25.0	25.0	
*** Afloat C4I (60%) shared with Fixed Ground C4I (40%)**	NAVAIDS FACILITY	Technical	54.7	54.7	

(3) **AFLOAT C4I** (continued)

Common Support Function	Facility or Equipment Description	Type of Space	Space Capacity (KSF)		
			Current	Used	Excess
* Afloat C4I (80%) shared with Fixed Ground C4I (10%) and Ground Mobile C4I (10%)	STAGING FACILITY	Staging	62.5	62.5	
Afloat C4I (75%) shared with Fixed Ground C4I (20%) and Ground Mobile C4I (5%)	ATE AND RESTORATION FACILITY	Technical	66.0	66.0	
Afloat C4I (70%) shared with Fixed Ground C4I (30%)	NISEWEST HAWAII LABORATORIES	Technical	15.0	15.0	
Afloat C4I (70%) shared with Fixed Ground C4I (30%)	NISEWEST HAWAII STAGING FACILITY	Staging	18.0	18.0	

*These facilities, located at Mare Island Naval Shipyard, will be totally vacated in FY-95. Functions and personnel positions will be transferred to San Diego. Square footage numbers are estimates based on the best information available. However, it should be noted that the occupancy and actual utilization of facilities in Vallejo and San Diego are changing frequently due to the on-going NISEWEST consolidation.

3.5.1.1 Describe the capacity of your activity to absorb additional similar workyears categorized in the same common support function with minor facility modification. If major modification is required, describe to what extent the facilities would have to be modified. (Use FY97 workyears as your requirement) (BRAC Criteria III)

(1) FIXED GROUND BASED C4I:

The effect of BRAC 91 and BRAC 93 is to consolidate NAVELEX Vallejo and NAVELEX San Diego California operations into 2 of 3 major structures at Air Force Plant 19 in San Diego as NISE West. The other major structure at AF-19 is currently occupied by Martin Marietta Corp. which could vacate the premises in the near future.

The current BRAC construction projects, P-120S and P121S will be completed in FY95 to accommodate Vallejo operations and FY96 for San Diego operations. Once these actions are complete, we could absorb additional workyears in this CSF by increasing facility utilization through improved methods and procedures with some facility changes. If Martin Marietta vacates their building, then additional workyears could be absorbed if major modifications for laboratories and staging costing approximately $10M is approved. (Estimate based on historical costs of P-120S). The ownership of AF-19 is planned to be transferred to the Navy in 1994. This was approved as part of BRAC 93.

(2) GROUND MOBILE C4I:

The effect of BRAC 91 and BRAC 93 is to consolidate NAVELEX Vallejo and NAVELEX San Diego California operations into 2 of 3 major structures at Air Force Plant 19 in San Diego as NISEWEST. The other major structure at AF-19 is currently occupied by Martin Marietta Corp. which could vacate the premises in the near future.

The current BRAC construction projects, P-120S and P121S will be completed in FY95 to accommodate Vallejo operations and FY96 for San Diego operations. Once these actions are complete, we could absorb additional workyears in this CSF by increasing facility utilization through improved methods and procedures with some facility changes. If Martin Marietta vacates their building, then additional workyears could be absorbed if major modifications for laboratories and staging costing approximately $10M is approved. (Estimate based on historical costs of P-120S).

The ownership of AF-19 is planned to be transferred to the Navy in 1994. This was approved as part of BRAC 93.

(3) AFLOAT C4I

The effect of BRAC 91 and BRAC 93 is to consolidate NAVELEX Vallejo and NAVELEX San Diego California operations into 2 of 3 major structures at Air Force Plant 19 in San Diego as NISEWEST. The other major structure at AF-19 is currently occupied by Martin Marietta Corp. which could vacate the premises in the near future.

The current BRAC construction projects, P-120S and P121S will be completed in FY95 to accommodate Vallejo operations and FY96 for San Diego operations. Once these actions are complete, we could absorb additional workyears in this CSF by increasing facility utilization through improved methods and procedures with some facility changes. If Martin Marietta vacates their building, then additional workyears could be absorbed if major modifications for laboratories and staging costing approximately $10M is approved. (Estimate based on historical costs of P-120S). The ownership of AF-19 is planned to be transferred to the Navy in 1994. This was approved as part of BRAC 93.

3.5.1.2 If there is capacity to absorb additional workyears, how many additional workyears can be supported? (BRAC Criteria III)

(1) FIXED GROUND BASED C4I:

NISEWEST can absorb an additional 473 workyears with some facility changes by improving operating methods and procedures. If Martin Marietta vacates the plant, an additional 650 workyears can be absorbed. (Total possible increase is equal to 473 + 650 = 1123 workyears). The total increase cannot exceed these estimates for the three CSF's (Fixed Ground Based C4I, Ground Mobile C4I, and Afloat C4I) addressed in this data call.

(2) GROUND MOBILE C4I:

NISEWEST can absorb an additional 473 workyears with some facility changes by improving operating methods and procedures. If Martin Marietta vacates the plant, an additional 650 workyears can be absorbed. (Total possible increase is equal to 473 + 650 = 1123 workyears.) The total increase cannot exceed these estimates for the three CSFs (Fixed Ground Based C4I, Ground Mobile C4I, and Afloat C4I) addressed in this data call.

(3) AFLOAT C4I

NISEWEST can absorb an additional 473 workyears with some facility changes by improving operating methods and procedures. If Martin Marietta vacates the plant, an additional 650 workyears can be absorbed. (Total possible increase is equal to 473 + 650 = 1123 workyears). The total increase cannot exceed these estimates for the CSF addressed in this data call.

3.5.1.3 For 3.5.1.1 and 3.5.1.2 (above) describe the impact of military construction programs or other alteration projects programmed in the FY95 PBS. (BRAC Criteria II)

(1) FIXED GROUND BASED C4I:

The current BRAC construction projects, P-120S and P-121S, which will be completed in FY95, will reconfigure portions of Air Force Plant 19 to facilitate the NISEWEST consolidation required by BRAC-91 decisions.

(2) GROUND MOBILE C4I:

The current BRAC construction projects, P-120S and P-121S, which will be completed in FY95, will reconfigure portions of Air Force Plant 19 to facilitate the NISEWEST consolidation required by BRAC-91 decisions.

(3) AFLOAT C4I

The current BRAC construction projects, P-120S and P-121S, which will be completed in FY9 , will reconfigure portions of Air Force Plant 19 to facilitate the NISEWEST consolidation required by BRAC-91 decisions.

3.5.2 **Land Use:** Provide number of buildable acres for additional laboratory/ administrative support construction at your installation. (BRAC Criteria II)

(1) FIXED GROUND BASED C4I:

There are 20 undeveloped acres that will be utilized for exterior staging. Ten acres of this area could be used for construction. In addition, if the buildings at Taylor St. are demolished, then this property (5.6 acres), can also be used for new construction.

(2) GROUND MOBILE C4I:

There are 20 undeveloped acres that will be utilized for exterior staging. Ten acres of this area could be used for construction. In addition, if the buildings at Taylor St. are demolished, then this property (5.6 acres), can also be used for new construction.

(3) AFLOAT C4I

There are 20 undeveloped acres that will be utilized for exterior staging. Ten acres of this area could be used for construction. In addition, if the buildings at Taylor St. are demolished, then this property (5.6 acres), can also be used for new construction.

3.5.3 **Utilities:** Provide an estimate of your installation's capability to expand or procure additional utility services (electric, gas, water). Estimates should be provided in appropriate units -- e.g. KWH of electricity. (BRAC Criteria II)

(1) FIXED GROUND BASED C4I:

Utilities service availability exceeds the current daily usage and projected requirements. Daily use of water is 48,728 gallons per day compared to an estimated capacity of 121,820 gallons per day. Sewer requirements are estimated at 10,000 gallons per day with an existing capacity of 300,000 gallons per day. Electrical service capability is approximately three times the current and projected load of 48.3 KVA. Current natural gas usage is 690,000 Therms per year consumed from Nov thru March only for heating purposes. Runoff of storm water (which seldom occurs) is handled sufficiently by the city's storm drain system.

(2) GROUND MOBILE C4I:

Utilities service availability exceeds the current daily usage and projected requirements. Daily use of water is 48,728 gallons per day compared to an estimated capacity of 121,820 gallons per day. Sewer requirements are estimated at 10,000 gallons per day with an existing capacity of 300,000 gallons per day. Electrical service capability is approximately three times the current and projected load of 48.3 KVA. Current natural gas usage is 690,000 Therms per year consumed from Nov thru March only for heating purposes. Runoff of storm water (which seldom occurs) is handled sufficiently by the city's storm drain system.

(3) AFLOAT C4I:

Utilities service availability exceeds the current daily usage and projected requirements. Daily use of water is 48,728 gallons per day compared to an estimated capacity of 121,820 gallons per day. Sewer requirements are estimated at 10,000 gallons per day with an existing capacity of 300,000 gallons per day. Electrical service capability is approximately three times the current and projected load of 48.3 KVA. Current natural gas usage is 690,000 Therms per year consumed from Nov thru March only for heating purposes. Runoff of storm water (which seldom occurs) is handled sufficiently by the city's storm drain system.

Document Separator

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BRAC-95

DATA CALL NUMBER FIVE

Data for

Naval Command, Control and Ocean
Surveillance Center, ISE West Coast Division
San Diego, CA

MILITARY VALUE DATA CALL

TECHNICAL CENTERS

Category	Technical Centers
Technical Center Site	NISEWEST SAN DIEGO CA
Location/Address	San Diego, CA

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2. Joint Service Missions	1
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TAB A Technical operations: Functional Support Area-
Life Cycle Work Area Form

TAB B Facilities and Equipment:
Facilities/Equipment Capability Form

TAB C Range Resources: Range Capability Form

MILITARY VALUE MEASURES

MISSION

1. **Mission Statement.** State the officially assigned mission of this activity and cite the reference document(s) that assigns the mission.

Naval Command, Control and Ocean Surveillance Center, In-Service Engineering, West Coast Division (NISEWEST) is the Navy's engineering and fleet support center for assigned command, control and communication systems, ocean surveillance systems, and the integration of those systems which overarch platforms.

OPNAVNOTE 5450, Ser 09B22/2U510150 of 1 Oct 1992

2. **Joint Service Missions.** State any officially assigned joint/lead service assignments missions and cite the document(s) that assigned them.

NONE

TECHNICAL FUNCTIONS

3. **Technical Functions Resource Allocations.** Appendix A provides a list of numbered functional support areas that cover the spectrum of naval warfare and support operations. Additionally, Appendix A provides a list of numbered life-cycle work areas that cover the "cradle to grave" spectrum of Navy systems acquisition. Utilizing the two lists at Appendix A, each activity will break out its entire FY1993 technical program within any applicable intersections of these two defining schemes (for example, functional support area #5.2 - life cycle work area #3 will identify the activity's level of resources allocated to sensors and surveillance systems, radar systems in advanced development). Definitions for each functional support and life cycle work area are provided in Appendix B for reference.

a. Use the form at Tab A of this data call to provide data on work years and expenditures for FY1993 to support each applicable intersection of functional support areas and life cycle work areas. When necessary, estimate data to the best of your ability.

b. Similarly, use the Tab A forms to report separately on your detachments or sites that have not received this data call directly. This data may be consolidated when the detachments or sites perform work in the same area. When necessary, estimate data to the best of your ability.

Data provided in TAB A.

4. **Work Breakdown Structure.**

a. Use Table 4.1 (below) to provide data on the general support functions at your activity. Report data as of 31 March 1994. If you are collocated with one of your subordinate base keeper commands (i.e., a NAWS or NAS collocated with a NAWC Division), describe the differences in the functions of each and provide a separate Table 4.1 for the subordinate command. Include this command in the Table 4.1 submission for your Activity.

b. Similarly, use Table 4.2 (below) to provide general support function data for all your detachments or sites that did not receive this data call directly. Consolidate data from all of these detachments into one table (4.2). Provide a list of the detachments whose data is included in Table 4.2. For each identified detachment in this list, include its name, location, UIC, and number of civilian and military personnel onboard.

In addition, if any of your detachments or separate sites not receiving an individual data call have over 50 civilian personnel or own technical facilities, provide separately a description of the site, the functions performed there, photographs showing the facilities and state the reason for that site's existence and the necessity for it to be at that location.

c. Use Table 4.3 (below) to provide estimated data, for your activity only, to reflect the anticipated impact of previous BRAC decisions that have not yet been implemented. This data should provide the deltas from Table 4.1.

NOTES:

[1] Use the following definitions when providing data for the tables below:

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

Contract Workyears: Actual or estimated workyears performed by support contractors with workyears defined consistent with the definition used in the President's budget.

Civilian Personnel Onboard: Full Time Permanent (FTP) employees.

[2] Any categories of personnel that are employed to support other Activities should be noted with the name of the additional Activity supported.

Table 4.1, General Support Resources for
(Activity: NISEWEST SAN DIEGO CA) (UIC: N68944)

Function	Space allocated (Gross SQFT)	Work Years	Civilian Persnel onboard	Contract Work Years	Military Personnel Onboard	
					Off	Enl
ADMINISTRATION						
Command (CO/XO/TD/etc.)	14,700	10	9	0	1	
Comptroller	6,500	18	18	18	0	
Admin	12,200	49	49	0	0	
Human Resources	8,700	30	30	0	0	
OPERATIONS SUPPORT						
Supply Management	638,959	23	23	17	0	
Consolidated Computational Computer Support	0	0	0	11	0	
Information Systems and Communications	13,960	21	21	28	0	
Safety/OSH/Environmental	1,500	2	2	0	0	
INFRASTRUCTURE						
Physical Security	2,000	11	11	0	0	
Public Works/Staff Civil Engr	0	0	0	0	0	
Fire Protection	0	0	0	0	0	
Medical/Dental	0	0	0	0	0	
Military Support	0	0	0	0	0	
Air/Waterfront Operations	0	0	0	0	0	
Other	0	0	0	0	0	
TECHNICAL STAFF						
Technical Operations			404	195	6	7
Totals	698,519	164	567	298	7	7

Table 4.2, General Support Resources for all Detachments
(Activity: NISEWEST DET VALLEJO) (UIC: N63274)

Function	Space allocated (Gross SQFT)	Work Years	Civilian Persnel onboard	Contract Work Years	Military Personnel Onboard	
					Off	Enl
ADMINISTRATION						
Command (CO/XO/TD/etc.)	1,900	3	3		1	
Comptroller	8,200	9	9			
Admin	12,300	19	19	15		
Human Resources	7,600	4	4			
OPERATIONS SUPPORT						
Supply Management	343,400	4	4	17		
Consolidated Computational Computer Support	3,900	4	4	4		
Information Systems and Communications						
Safety/OSH/Environmental		1	1			
INFRASTRUCTURE						
Physical Security	6,300	2	2	3		
Public Works/Staff Civil Engr	400					
Fire Protection						
Medical/Dental						
Military Support	1,700					
Air/Waterfront Operations						
Other						
TECHNICAL STAFF						
Technical Operations			188	659		
Totals	385,100	46	234	698	1	

Table 4.3, Previous BRAC Impact to General Support Resources for
(Activity: NISEWEST SAN DIEGO CA) (UIC: N68944)

Function	Space allocated (Gross SQFT)	Work Years	Civilian Persnel onboard	Contract Work Years	Military Personnel Onboard	
					Off	Enl
ADMINISTRATION						
Command (CO/XO/ TD/etc.)						
Comptroller		9	9			
Admin		22	22		1	
Human Resources		4	4			
OPERATIONS SUPPORT						
Supply Management		4	4			
Consolidated Computational Computer Support		4	4			
Information Systems and Communications						
Safety/OSH/Environmental		1	1			
INFRASTRUCTURE						
Physical Security		2	2			
Public Works/Staff Civil Engr						
Fire Protection						
Medical/Dental						
Military Support						
Air/Waterfront Operations						
Other						
TECHNICAL STAFF						
Technical Operations			188			
Totals		46*	234*	0	1*	0

*The savings of 14 military and 72 cilivians were taken prior to 31 Mar 94, the billets listed in the above table will transfer from NISEWEST DET VALLEJO CA

Table 4.3, Previous BRAC Impact to General Support Resources for
(Activity: NISEWEST DET VALLEJO) (UIC: N63274)

Function	Space allocated (Gross SQFT)	Work Years	Civilian Persnel onboard	Contract Work Years	Military Personnel Onboard	
					Off	Enl
ADMINISTRATION						
Command (CO/XO/ TD/etc.)	(1900)	(3)	(3)		(1)	
Comptroller	(8200)	(9)	(9)			
Admin	(12300)	(19)	(19)	(15)		
Human Resources	(7600)	(4)	(4)			
OPERATIONS SUPPORT						
Supply Management	(343,400)	(4)	(4)	(17)		
Consolidated Computational Computer Support	(3900)	(4)	(4)	(4)		
Information Systems and Communications						
Safety/OSH/Environmental		(1)	(1)			
INFRASTRUCTURE						
Physical Security	(6300)	(2)	(2)	(3)		
Public Works/Staff Civil Engr						
Fire Protection						
Medical/Dental						
Military Support						
Air/Waterfront Operations						
Other						
TECHNICAL STAFF						
Technical Operations			(188)	(659)		
Totals	(385,100)	(46)*	(234)*	(698)	(1)*	(0)

*The savings of 14 military and 72 cilivians were taken prior to 31 Mar 94, the billets listed in the above table will transfer to NISEWEST SAN DIEGO CA.

5. **Technical Staff Qualifications.**

a. Use Table 5.1 (below) to provide data on the civilian personnel allocated to Technical Operations having the educational and experience levels indicated in the table for your activity. Report data as of 31 March 1994. Similarly, use Table 5.2 (below) to provide data for all your separate detachments or sites that did not receive this data call directly. Consolidate data from all of these detachments into one table (5.2). Provide a list of the detachments whose data is included in Table 5.2.

Table 5.1, Technical Staff Education Level for
(Activity: NISEWEST SAN DIEGO CA) (UIC: N68944)

Highest Degree Attained	Years of Government and/or Military Service					
	Less than 3 Years	3-10 Years	11-15 Years	16-20 Years	More than 20 Years	Total
Grade School	0	0	0	0	0	0
High School	1	34	36	26	144	241
B.A./B.S	0	31	64	10	35	140
M.A./M.S	0	3	3	4	11	21
Ph.D./ M.D.	0	0	0	1	1	2
Total	1	68	103	41	191	404

Table 5.2, Technical Staff Education Level for all Detachments
(Parent Activity: NISEWEST SAN DIEGO CA) (UIC: N68944)
NISEWEST DET VALLEJO (UIC: N63274)

Highest Degree Attained	Years of Government and/or Military Service					
	Less than 3 Years	3-10 Years	11-15 Years	16-20 Years	More than 20 Years	Total
Grade School	0	0	0	0	0	0
High School	0	18	17	15	14	64
B.A./B.S	0	47	18	16	37	118
M.A./M.S	0	1	1	1	3	6
Ph.D./ M.D.	0	0	0	0	0	0
Total	0	66	36	32	54	188

b. Use Table 5.3 (below) to provide data on the civilian personnel allocated to Technical Operations with graduate degrees and at least three years of applicable experience that have their highest degree in the fields indicated. Report data as of 31 March 1994. Similarly, use Table 5.4 (below) to provide data for all your separate detachments or sites that did not receive this data call directly. Consolidate data from all of these detachments into one table (5.4). Provide a list of the detachments whose data is included in Table 5.4

Table 5.3, Technical Staff Academic Fields for
(Activity: NISEWEST SAN DIEGO CA) (UIC: N68944)

Academic field	Number
Physics	
Chemistry	
Biology	
Mathematics/Statistics/ Operations Research	
Engineering	23
Medical	
Dental	
Computer Science	1
Social Science	
Other Science	
Non-Science	2
Total	26

Table 5.4, Technical Staff Academic Fields for all Detachments (Parent Activity: NISEWEST SAN DIEGO CA) (UIC: N68944)

NISEWEST DET VALLEJO (UIC: N63274)

Academic field	Number
Physics	
Chemistry	
Biology	
Mathematics/Statistics/ Operations Research	
Engineering	2
Medical	
Dental	
Computer Science	
Social Science	
Other Science	
Non-Science	2
Total	4

c. Are there unique aspects of the activity's location that help or hinder in the hiring of qualified personnel?

San Diego is situated in a beautiful, highly desirable region, offering a variety of recreational activities year-round. The San Diego area has several nationally recognized universities and research centers that draw talented and professional people from other regions of the country and the world. San Diego State University, UC San Diego, and several smaller colleges provide engineering programs from which qualified student employees as well as potential permanent candidates can be drawn. Additionally, many retired or ex-navy personnel in the area are another excellent source of qualified employees or contractors.

d. List all articles written by the in-house technical staff that were published or accepted for publication in refereed journals since 1 January 1990.

1. " Neural Net Directed GPS Complimentary Filters for Data Enhancements". This article is to be published in October, 1994 by the Joint Services Data Exchange for Guidance, Navigation, and Control in Scottsdale, Arizona.

2. The Evaluation of U.S. Naval Satellite Antenna Control Technology. - Published in Naval Engineers Journal, January, 1994, pages 94-107.

e. List all technical books and/or chapters written by the in-house technical staff that were published or accepted for publication since 1 January 1990.

NONE

f. Identify any Nobel laureates employed at this activity.

NONE

g. List all non-governmental awards for research or technical excellence given to members of your technical staff since 1 January 1990.

NONE

h. List all governmental awards for research or technical excellence given to members of your technical staff since 1 January 1990.

NONE

i. List all patents awarded to the in-house technical staff members of this activity since 1 January 1990.

Frequency Disbursive Transmitter Array
Dr. Frank E. Gordon, Ph.D.

j. List all patents applied for by the in-house technical staff members of this activity since 1 January 1990.

NONE

k. Identify any in-house staff that are members of the National Academy of Engineering.

NONE

l. Identify any in-house staff that are members of the National Academy of Sciences.

NONE

m. How many Cooperative Research and Development Agreements (CRDAs) have been signed by the activity since 1 January 1990?

NONE

n. What has been the activity's annual royalty income from CRDAs and patent licenses for each year since 1 January 1990?

NONE

o. List and describe any major end item prototypes, either product or process technology, developed in-house by the activity that are currently in production and/or are currently in use by the U.S. Armed Forces or by industry. Cite a published reference that documents the work.

Prototype SEOID (Standard Electro-optic Interface Devices) production specifications has been submitted to NAVSEA/SPAWAR PD50 and is in the final approval phase. This is being presented at the First Annual SPAWAR PD50 Fleet Communications Outlook Conference on 16-20 May 1994, Naval Surface Warfare Center, White Oak. The presentation is titled "Standard Electro-optic Interface Devices: A Low-risk Solution for Interconnecting Multisignal Shipboard Systems over Optical Fiber."

6. **Special Facilities/Equipment Resources.** Include a copy of the form provided at Tab B of this data call for each facility and "major" piece of equipment located at this activity. Include information on separate detachments. The following definitions will apply:

Facilities - Will include such things as rocket firing bays, towing tanks, anechoic chambers, hypervelocity gun ranges, hyperbaric chambers, wind tunnels, simulation/emulation laboratories, etc. Include buildings that are integral to the facility/equipment. Do not include major outdoor ranges or land.

Also, describe modeling and simulation capabilities, hardware in-the-loop facilities and analysis or wargaming capabilities.

Equipment - Resources used to support the operation of the site with a replacement value of $500,000 or greater. Do not include land or buildings in this category. In reporting equipment, provide information to indicate the degree of portability of the equipment. Class 3 Personal Property items ("plant equipment" or "equipment in place") by definition are highly portable and can be moved easily. Some Class 2 Installed Equipment, such as Main-frame computers, test stands and small hyperbaric chambers, require more extensive utilities support and assembly of components, but can be relocated without damage to the facility or equipment, and therefore are considered "moveable" assets. Other Class 2 items are so large and/or integral to the facility that houses them that major demolition and construction would be required to relocate them, and therefore are considered "fixed" assets. Where appropriate, pieces of equipment can be aggregated for the purposes of completing Tab B.

Data provided in TAB B.

7. **General Facilities.**

a. Is there any cash revenue generated by this activity? Example: Electricity generated at this activity and sold to the local community. If yes, describe. **None**

b. What MILCON projects are currently programmed to be completed by the end of FY1995?

P-120S: Electronics Systems Staging Facility
P-121S: In-Service Engineering Labratory

(1) Description: Alter five existing structures to consolidate NCCOS, West Coast In-Service Engineering Division (NISEWEST) functions in San Diego as mandated by the Defense Base Closure and Realignment Act by combining Brac 91 projects P-120S and 121S and converting Air Force property to Navy ownership. Alterations are to include the installation of seismic upgrades, fire rated partitions, walls, ceilings, stairwells, elevators, air conditioning, life safety and handicap improvements. Renovate high bay storage, interior staging areas and construct administrative, engineering maintenance support spaces. Refurbish existing portable water, sewer, natural gas, electrical, telephone and fire protection stems. Site improvements include range equipment installation, exterior paving, storm drainage, exterior lighting and security fencing. Demolition and environmental mitigation required.

(2) The functional support area(s) that the new facility will support. Refer to Appendix A.

1. PLATFORMS
1.1 Undersea
1.3 Surface Ship
1.4 Space Satellites

5. SENSORS & SURVEILLANCE SYSTEMS
5.1 Sonar Systems
5.2 Radar Systems
5.3 Special Sensors
5.4 Space Sensor/Surveillance Systems
5.5 Ocean Surveillance

6. NAVIGATION
6.1 Submarine Navigation Systems
6.2 Aircraft Navigation Systems
6.3 Surface Ship Navigation Systems
6.5 Satellite Navigation Systems

7. COMMAND, CONTROL, COMMUNICATIONS AND INTELLIGENCE
7.1 Submarine
7.3 Shipboard
7.4 Land-Based
7.5 Space Communications Systems
7.7 Air Traffic Control Systems
7.8 Intelligence Information Systems

8. DEFENSE SYSTEMS
8.2 Countermeasures (CM)
8.3 Electronic Warfare (EW) Systems

10. GENERAL MISSION SUPPORT

11. GENERIC TECHNOLOGY BASE. [Includes basic research and exploratory development (Budget Categories 6.1 & 6.2) projects that do not fit under the more warfare-focused functional support areas.]
11.1 Computers.
11.2 Software.
11.3 Communications Networking.
11.4 Electronic Devices.
11.5 Materials and Processes.
11.6 Energy Storage.
11.7 Propulsion and Energy Conversion.
11.8 Design Automation.
11.9 Human-System Interfaces.
11.10 Other Technology Base Programs.

(3) Identify installed equipment to be provided based on the threshold guidance of paragraph 6, page 12, of this data call.

All required equipment is currently on hand and will be relocated from the its current location (Mare Island) to San Diego.

(4) The additional square footage that this project will provide to the functional support area(s).

919,500 SF (Includes currently occupied space at Air Force Plant 19)

(5) The current working estimate (CWE) & planned beneficial occupancy date (BOD) of the project.

BOD: 1 Oct 94 CWE: $14,620,492 for part A
BOD: 1 Oct 95 CWE: $ 4,500,000 for part B

c. What MILCON projects are currently programmed to be executed/completed after FY1995? For each project provide: **NONE**

d. What is the distance (in miles) to the nearest military airfield and/or pier not located at your site? Describe. Assume all previous BRAC closures have been executed.

5 Miles to Naval Station San Diego for the pier and approximately 12 miles to Miramar or North Island Naval Air Station for the military airfield.

e. How many certified magazines, used for the storage of explosives, does this activity own or control? What is the total explosive weight storage capacity?

NONE

LOCATION

8. **Geographic Location.**

a. Is there an imperative in facility, function or synergy that requires the installation/base/facility to be in its present location? If yes, describe.

NCCOSC ISE West Coast Division (NISEWEST) San Diego provides ship and shore engineering services and support for shipboard and shorebased electronic systems and equipment. Close proximity to SURFPAC, AIRPAC, CINCPAC, Defense Supply channels, as well as being in the Navy's major Fleet concentration port contributes heavily to our ability to be actively involved in planning Fleet requirements and in the ability to respond immediately to Fleet electronic system needs.

b. What is the importance of the present location relative to customers supported?

There is a high concentration of active fleet units in San Diego. Additionally, NISEWEST is in close proximity to several high-use Navy and Marine Corps sites, including NAS Miramar, NAS North Island, Amphibious Base, Submarine Base, San Diego Naval Station and Camp Pendleton.

NISEWEST is in close proximity to NCCOSC Headquarters and the NCCOSC R and D Division (NRaD) to facilitate life cycle coordination of programs from concept through decommissioning.

FEATURES AND CAPABILITIES

9. **Computational Facilities.**

a. Describe the general and special computational capabilities at this site. Include super computing, parallel computing, distributed computing and networking. Include high-speed data transfer, fiber optic links, microwave links, network interconnectivity and video teleconferencing capabilities. Do not discuss desktops and laptops except as they relate to networking.

General Computing Capabilities: This hardware supports the Management and Business functions of the Command. Networks are provided that connect every organization (and person) within the NISEWEST to Email, the Management Information System, NFAS as required, and other specialized inline services as the functions dictate. The system also provides popular software applications such as Word Perfect, Harvard Graphics, EXCEL, among others for online use from with PCs. The system also has online input and inquiry for accounting and material support data. Other hardware listed connect the various remote sites and other NCCOSC and HQ activities via dedicated T1 lines and connections into Internet.

The following statements describe the Network at San Diego and Vallejo:

San Diego Network
The San Diego network is based on fiber optic backbone between the buildings with 10BaseT concentrators providing a star configuration to the users. Unshielded twisted pair cable is used from concentrators to end user's PC. Command services are provided using 13 Novell servers, 4 Sun servers, a Next cube server, a Wang vs100 and a IBM4381. External communications to NCCOSC are with a T1 line and to Vallejo with a 56kb line.

Vallejo Network
The network is based on ethernet topology throughout different buildings connected using fiber optic cable and microwave. Command services to the users are provided with 20 Novell servers, 2 Sun servers, Next cube and Wang 7000. The system is connected to the NCCOSC network with a T1 line and to NISEWEST San Diego with a 56kb line.

San Diego and Vallejo Hardware:

- IBM -4381 (timekeeping support)
- Wang VS 100 (RMS archive files)
- Wang VS 5000 (RMS archive files)
- Wang VS 7000 (RMS archive files)
- Network
  - Servers
    - Novel (33 ea) (3 oracle)
    - Unix (5 ea) (2 oracle)
    - Next (2 ea)
  - Fiberoptic Backbone
  - Microwave interconnect
  - Concentrators (15 ea)
  - Routers (9 ea)
  - Communications
    - T1 (2 ea)
    - 56KB (2 ea)
    - 19.2 KB (2 ea)
    - Dial in (31 ea)
    - 800 number (2 ea)
- Video Teleconferencing
  - Switched 56KB (2 lines)
  - Roll about systems (2 ea)

Special Computing Capabilities

- VAX
  - Binary pattern generation/ATE Processing
- VAX 11/780
  - Cross Compilation/Classified Processing
- IBM-4381
  - Special Compilation/Classified Processing

10. **Mobilization Responsibility and Capability.**

a. Describe any mobilization responsibility officially assigned to the site. Cite the document assigning the responsibility.

The Office of the Chief of Naval Operations, OPNAVINST 12910.2, dated 30 October 1989, is the document that assigned the requirement for all Naval Activities to implement the Department of the Navy (DON) policies and procedures for mobilization planning and preparedness of the civilian workforce. These responsibilities are as follows:

- **Develop total force mobilization plans.**
- **Designate and train principles and backups from the mobilization planning, manpower planning and civilian personnel staffs to ensure total force participation in mobilization planning and preparedness programs.**
- **To annually analyze civilian positions for designation as key emergency-essential employees.**
- **To annually screen civilian employees who are reservists or retired military who have recall obligation and are in a key emergency-essential position.**
- **Reserve Unit NR NESEC 619, RUIC 89628 would mobilize to NISEWEST.**

(1) What functional support area(s) does this responsibility support?

6. Navigation

6.2 Submarine Systems
6.3 Surface Ship Systems
6.5 Satellite Systems

7. Command, Control, Communications and Intelligence

7.1 Submarine
7.2 Airborne
7.3 Shipboard
7.4 Land Based
7.5 Space Communications Systems
7.6 Non-Tactical Data Systems
7.7 Air Traffic Control Systems
7.8 Intelligence Information Systems

LIFE-TIME SUPPORT
11 Maintenance
12 Repair
13 Testing
14 In-Service Engineering
15 Program Support

(2) What portion of the work year and dollars, as reported in each applicable functional support area reported in TAB A, are spent solely on maintaining your activity's readiness to execute the mobilization responsibilities?

Unnecessary to expend funds solely on maintaining readiness to execute the mobilization responsibilities.

(3) How many additional personnel (military and civilian) would be assigned to your activity as part of the mobilization responsibility? Include separately any contractor assets that would be added.

Thirty-four (34) Reservists.
Existing contracts can be modified as needed.

b. Does your activity have adequate facilities to support your mobilization responsibilities? (yes/no). **YES.**

(1) If yes, is any space assigned for the sole purpose of maintaining mobilization readiness? (yes/no). **NO.**

(2) If no, what repairs renovations and/or additions are required to provide adequate facilities? What is the estimated cost of this work?

No repairs, renovations or additions would be required. No additional facilities costs are anticipated. Longer work weeks are planned, with contractors support as necessary.

(3) Are there any restrictions that would prevent work (noted in paragraph 10.b.(2) above) from taking place (i.e. AICUZ, environmental constraints, HERO, etc.)? If yes, describe. **NO.**

c. Describe any production facilities that would be activated in case of a future contingency. **NONE**

d. Is your activity used as a Reserve Unit Mobilization and/or training site? **YES.**

11. **Range Resources.** Include a copy of the form provided at Tab C of this data call for each range located at this activity or operated by this activity. Also, report ranges at detachments and sites not receiving a separate data call. The following definition of a range will apply:

Range - An instrumented or non-instrumented area that utilizes air, land, and/or water space to support test and evaluation, measurements, training and data collection functions, but is not enclosed within a building.

Data Provided in TAB C.

QUALITY OF LIFE

12-23. **Quality of Life.**

NISEWEST SAN DIEGO CA occupies a combination of Air Force provided space as well as space owned by NISEWEST. None of the occupied facilities have dedicated MWR assets. Please refer to the Military Value Data Call for the Naval Station San Diego for Quality of Life Data.

NISEWEST DET VALLEJO CA is a tenant of the Naval Shipyard Mare Island. Please refer to the Military Value Data Call for the Naval Shipyard Mare Island (UIC N00221) for Quality of Life Data.

TAB A

TECHNICAL OPERATIONS

FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM

TECHNICAL FUNCTIONS

FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	NISEWEST SAN DIEGO CA
Functional Support Area	5.2 Sensors & Surveillance Systems - Radar Systems
Life Cycle Work Area	14. In-Service Engineering

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 3.6 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. $(K) 361.3

b. **Out-of-House Expenditures.** Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding. $(K) 745.7

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. $(K) 1715.3

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	NISEWEST SAN DIEGO CA
Functional Support Area	5.5 Sensors & Surveillance Systems - Ocean Surveillance
Life Cycle Work Area	4. Eng & Mfg Development

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 14.2 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. $(K) 1117

b. **Out-of-House Expenditures.** Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding. $(K) 420

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. $(K) 0

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	NISEWEST SAN DIEGO CA
Functional Support Area	5.5 Sensors & Surveillance Systems - Ocean Surveillance
Life Cycle Work Area	14. In-Service Engineering

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 96.2 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. $(K) 9138

b. **Out-of-House Expenditures.** Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding. $(K) 12852

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. $(K) 6611

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	NISEWEST SAN DIEGO CA
Functional Support Area	6.1 Submarine Navigation Systems
Life Cycle Work Area	14. In-Service Engineering

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 20.2 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. $(K) 1690

b. **Out-of-House Expenditures**. Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding. $(K) 567

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. $(K) 1230

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	NISEWEST VALLEJO CA
Functional Support Area	6.3 Surface Ship Navigation Systems
Life Cycle Work Area	14. In-Service Engineering

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 14.0 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. $(K) 2800

b. **Out-of-House Expenditures.** Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding. $(K) 9924

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. $(K) 381

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	NISEWEST VALLEJO CA
Functional Support Area	7.1 C3I Submarine
Life Cycle Work Area	4. Eng & Mfg Development

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 0.5 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. $(K) 80

b. **Out-of-House Expenditures.** Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding. $(K) 60

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. $(K) 0

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	NISEWEST VALLEJO CA
Functional Support Area	7.1 C3I Submarine
Life Cycle Work Area	14. In-Service Engineering

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 19.0 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. $(K) 3740

b. **Out-of-House Expenditures.** Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding. $(K) 5494

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. $(K) 104

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	NISEWEST SAN DIEGO CA
Functional Support Area	7.3 C3I Shipboard
Life Cycle Work Area	4. Eng & Mfg Development

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 4.1 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. $(K) 595

b. **Out-of-House Expenditures**. Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding. $(K) 0

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. $(K) 300

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	NISEWEST VALLEJO CA
Functional Support Area	7.3 C3I Shipboard
Life Cycle Work Area	4. Eng & Mfg Development

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 6.0 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. $(K) 2224

b. **Out-of-House Expenditures.** Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding. $(K) 94

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. $(K) 978

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	NISEWEST SAN DIEGO CA
Functional Support Area	7.3 C3I Shipboard
Life Cycle Work Area	13. Testing

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 13.8 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. $(K) 1426

b. **Out-of-House Expenditures.** Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding. $(K) 800

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. $(K) 0

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	NISEWEST SAN DIEGO CA
Functional Support Area	7.3 C3I Shipboard
Life Cycle Work Area	14. In-Service Engineering

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 51.8 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. $(K) 4578

b. **Out-of-House Expenditures.** Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding. $(K) 3127

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. $(K) 900

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	NISEWEST VALLEJO CA
Functional Support Area	7.3 C3I Shipboard
Life Cycle Work Area	14. In-Service Engineering

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 107.0 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. $(K) 31000

b. **Out-of-House Expenditures.** Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding. $(K) 45089

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. $(K) 2211

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	NISEWEST SAN DIEGO CA
Functional Support Area	7.3 C3I Shipboard
Life Cycle Work Area	15. Program Support (Life-Time)

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 5.3 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. $(K) 500

b. **Out-of-House Expenditures.** Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding. $(K) 1730

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. $(K) 0

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	NISEWEST VALLEJO CA
Functional Support Area	7.4 C3I Land-Based
Life Cycle Work Area	4. Eng & Mfg Development

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 0.4 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. $(K) 70

b. **Out-of-House Expenditures.** Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding. $(K) 316

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. $(K) 0

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	NISEWEST SAN DIEGO CA
Functional Support Area	7.4 C3I Land-Based
Life Cycle Work Area	14. In-Service Engineering

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 68.8 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. $(K) 9980

b. **Out-of-House Expenditures**. Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding. $(K) 6676

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. $(K) 7000

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	NISEWEST VALLEJO CA
Functional Support Area	7.4 C3I Land-Based
Life Cycle Work Area	14. In-Service Engineering

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 9.7 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. $(K) 930

b. **Out-of-House Expenditures**. Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding. $(K) 7175

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. $(K) 1531

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	NISEWEST VALLEJO CA
Functional Support Area	7.7 C3I Air Traffic Control Systems
Life Cycle Work Area	14. In-Service Engineering

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 35 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. $(K) 7000

b. **Out-of-House Expenditures**. Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding. $(K) 2560

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. $(K) 3067

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	NISEWEST SAN DIEGO CA
Functional Support Area	10.2 Logistics Planning
Life Cycle Work Area	12. Repair

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 126.8 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. $(K) 9144

b. **Out-of-House Expenditures.** Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding. $(K) 3945

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. $(K) 4664.5

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

TECHNICAL FUNCTIONS
FUNCTIONAL SUPPORT AREA/LIFE CYCLE WORK AREA FORM

Technical Center Site	NISEWEST SAN DIEGO CA
Functional Support Area	10.7 Major Range Development and Operations
Life Cycle Work Area	14. In-Service Engineering

Note: An example of a functional support area - life cycle work area is "1. Platform, 1.1 Undersea, - 10. Program Support".

1. **In-House Work Years.** Provide the number of in-house government employee (civilian and military) work years for FY1993 that were performed in this functional support area - life cycle work area. Workyears are to be consistent with those used in the preparation of inputs to the President's budget. 13.2 WYs

2. **Expenditures.**

a. **In-House Expenditures.** Provide the total in-house cost in FY1993 for this functional support area - life cycle work area. $(K) 1310

b. **Out-of-House Expenditures.** Provide the total funds expended during FY1993 for this functional support area - life cycle work area. **Do not** include direct cite funding. $(K) 420

c. **Direct Cites.** Provide total direct cite funds expended on contract during FY1993 for this functional support area - life cycle work area. $(K) 2716

Note:

In-House Expenditures - Is comprised of the total obligation authority for direct labor, direct material, direct travel, direct equipment, direct computer support, other direct support services and all overhead.

Out-of-House Expenditures - Is comprised of total obligational authority for direct work (customer funded, mission oriented) performed or to be performed by other than the organizational entity. Out-of-house performers may include other departmental or DoD organizational entities, industrial firms, educational institutions, not-for-profit institutions and private individuals.

TAB B

SPECIAL FACILITIES AND EQUIPMENT

FACILITIES/EQUIPMENT CAPABILITY FORM

SPECIAL FACILITIES AND EQUIPMENT

FACILITIES/EQUIPMENT CAPABILITY FORM

Technical Center Site	NISEWEST SAN DIEGO CA
Facility/Equipment Nomenclature or Title	RAILROAD SIDING

1. State the primary purpose(s) of the facility/equipment.

To provide rail access to facility for the delivery and shipment of products and support activity.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by paragraph 6, page 12 of this data call.

Equipment is fixed.

3. Provide the replacement value of the facility/equipment. Report the facility/equipment cost separate from any building and utilities that may be integral to the facility/equipment.

$160,000

4. Provide the gross weight and cube of the facility/equipment.

3,091 lf

5. Indicate any "special" utility support required by this facility/equipment other than normal electrical power.

NONE

6. Indicate any special budget requirements for the facility/equipment (i.e., special foundations, non-ferrous materials, shielding, hardening, etc.).

NONE

7. State any environmental control requirements for the facility/equipment (i.e., temperature, humidity, air scrubbing).

NONE

8. Indicate if this facility/equipment would be extremely difficult or impossible to replicate or relocate at another site and the impact to the Department of the Navy if this facility/equipment were lost. Consider existing Government-wide and commercial capabilities as the replication and impact statements are formulated.

The equipment is installed and unable to be relocated. There are other facilities that have the capability and asset.

9. Indicate how and when the facility/equipment was transported and or constructed at the site.

1940 constructed and still in operation.

10. List the functional support areas (previously provided in Tab A) that this facility/equipment support. Refer to Appendix A for the list of functional support areas.

Potentially all of the cited areas

11. Provide the historical utilization average for the past five fiscal years (1989-1993). Define the unit of measure used.

Unavailable for our operations. This facility has not been in service with the Navy but the Air Force.

12. Provide the projected utilization data out to FY1997.

Unavailable

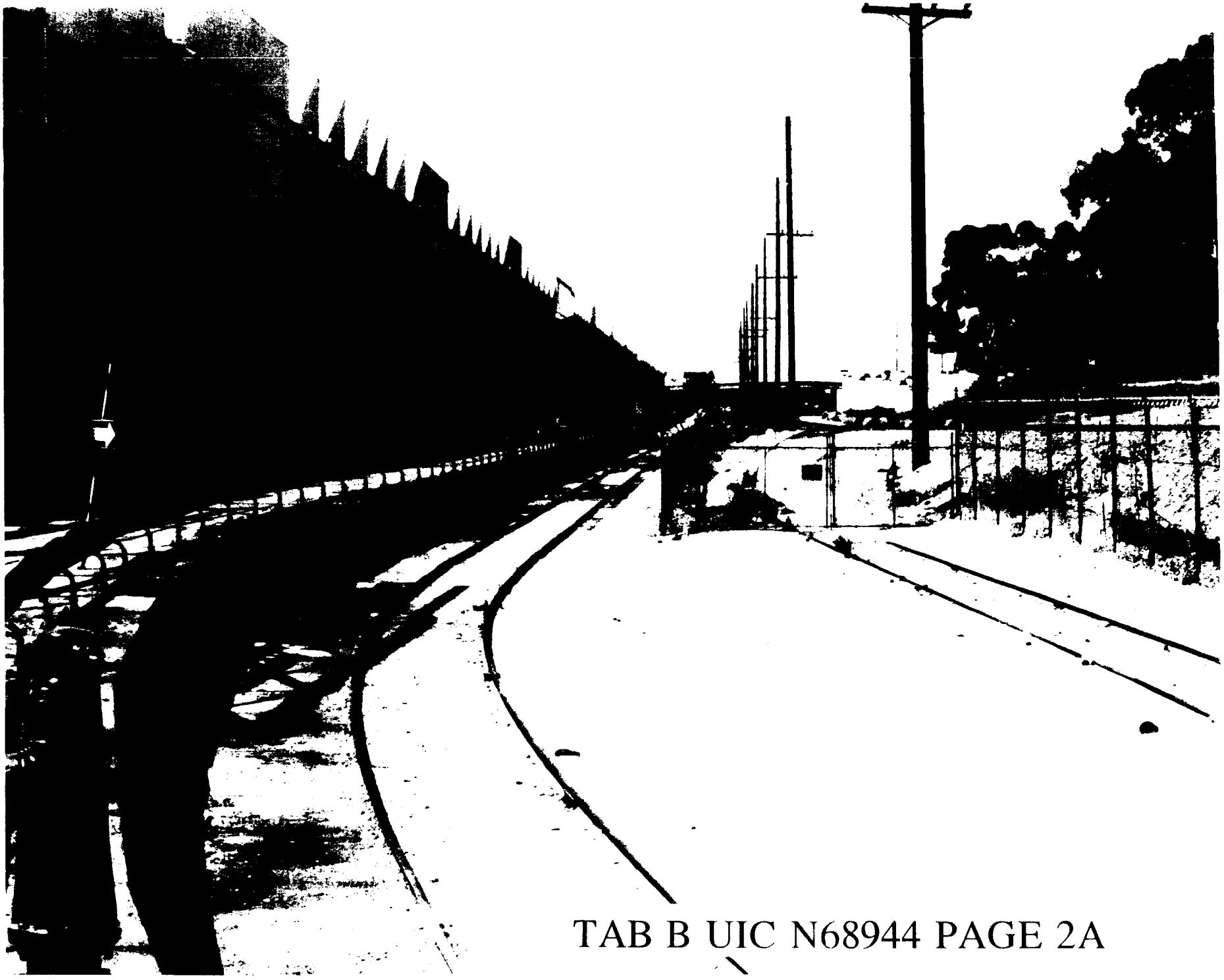
13. What is the approximate number of personnel used to operate the facility/equipment?

None in addition to normal facility staff.

14. What is the approximate number of personnel needed to maintain the equipment?

One

15. Provide one 8 1/2 x 11 black and white photo of the facility/equipment. Photo attached.



TAB B UIC N68944 PAGE 2A

TAB C

RANGE RESOURCES

RANGE CAPABILITY FORM

RANGE RESOURCES

RANGE CAPABILITY FORM

Technical Center Site	NISEWEST DET VALLEJO CA
Range Nomenclature or Title	TPS-66/SPS-44 TEST RANGE

1. List all the ranges that your activity maintains and operates. Provide the following information on each range:

a. A brief statement of what the range is used for.

Range space is required for the testing and calibration of electronic equipment that has been repaired, modified or overhauled.

b. Geographic location of the range.

Mare Island, CA to be relocated to San Diego.

c. Distance from the range to the activity's headquarters facility (main site).

Range is on site.

d. Range size in square miles.

Less than one square mile.

e. Scheduling authority.

NISEWEST SAN DIEGO CA

f. Air space available/restrictions.

None

g. Maximum water depth available/restrictions.

N/A

h. Instrumentation capability.

N/A

i. Accuracy of tracking.

N/A

j. Data collection/replay capability.

YES.

k. What are the maximum hours per year that this range is available to support activities? Provide the actual hours that the range was up and capable of providing services. Do not count "down time" due to maintenance, reconfiguration, or administrative activities (i.e., Holiday shutdowns).

l. What were the actual hours this range was utilized per year for the last five years (FYs 1989-1993)? **Data not available.**

m. What were the actual hours that this range was utilized in FY1993?

2088*

n. Who are the customers of the range?

NAVAIR, NAVSEA, SPAWAR

o. Of the actual hours utilized what percentage of utilization time was provided to which customers? **NAVAIR -50%, NAVSEA - 10%, SPAWAR-40%**

p. Provide a sketch, drawing or map of the range. **Sketch attached.**

2. Are any of your ranges part of the DoD Major Range and Test Facility Base (MRTFB)? (yes/no) If yes, which ones?

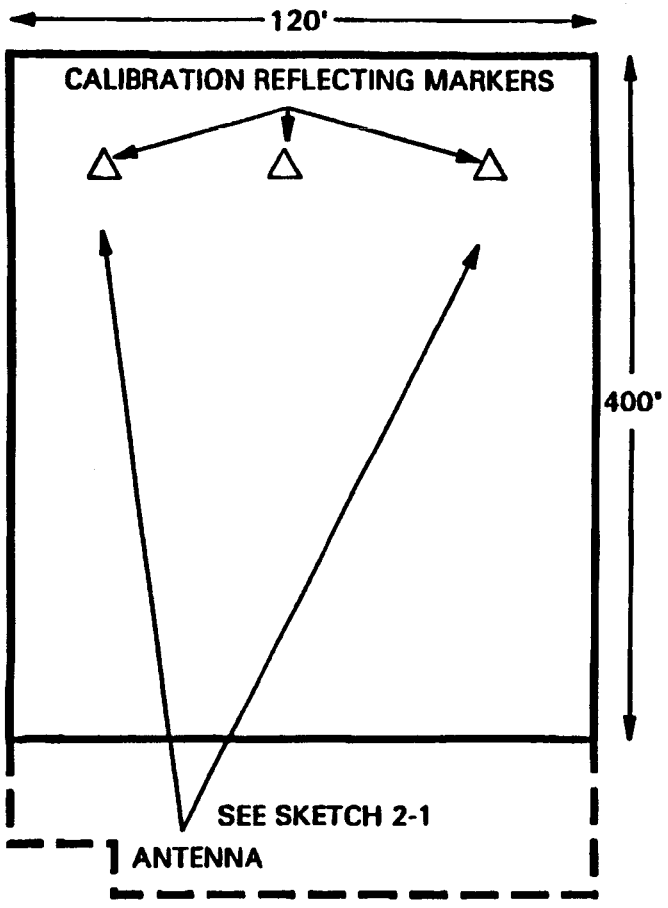
NO.

3. Are there any limiting (current or future) environmental and/or encroachment characteristics that are associated with this range.

Facility will close March 1995 and relocate to San Diego.

* Utilized one work year and operated on an intermittent basis.

TACTICAL SURVEILLANCE AND COMMUNICATION VAN PROGRAM TEST RANGE FOR RADIATION OF HF, UHF, VHF RADIO AND AN/TPS-66 AND AN/SPS-64 RADARS



RANGE RESOURCES
RANGE CAPABILITY FORM

Technical Center Site	NISEWEST DET VALLEJO CA
Range Nomenclature or Title	AN/TPN-22 TEST RANGE

1. List all the ranges that your activity maintains and operates. Provide the following information on each range:

a. A brief statement of what the range is used for.

Range space is required for the testing and calibration of electronic equipment that has been repaired, modified or overhauled.

b. Geographic location of the range.

Mare Island, CA to be relocated to San Diego.

c. Distance from the range to the activity's headquarters facility (main site).

Range is on site.

d. Range size in square miles.

Less than one square mile (20,000 square feet).

e. Scheduling authority.

NISEWEST SAN DIEGO CA

f. Air space available/restrictions.

None.

g. Maximum water depth available/restrictions.

N/A

h. Instrumentation capability.

N/A

i. Accuracy of tracking.

N/A

j. Data collection/replay capability.

YES.

k. What are the maximum hours per year that this range is available to support activities? Provide the actual hours that the range was up and capable of providing services. Do not count "down time" due to maintenance, reconfiguration, or administrative activities (i.e., Holiday shutdowns).

l. What were the actual hours this range was utilized per year for the last five years (FYs 1989-1993)? **Data not available.**

m. What were the actual hours that this range was utilized in FY1993?

2088*

n. Who are the customers of the range?

NAVAIR, NAVSEA, SPAWAR

o. Of the actual hours utilized what percentage of utilization time was provided to which customers? **NAVAIR -50%, NAVSEA - 10%, SPAWAR-40%**

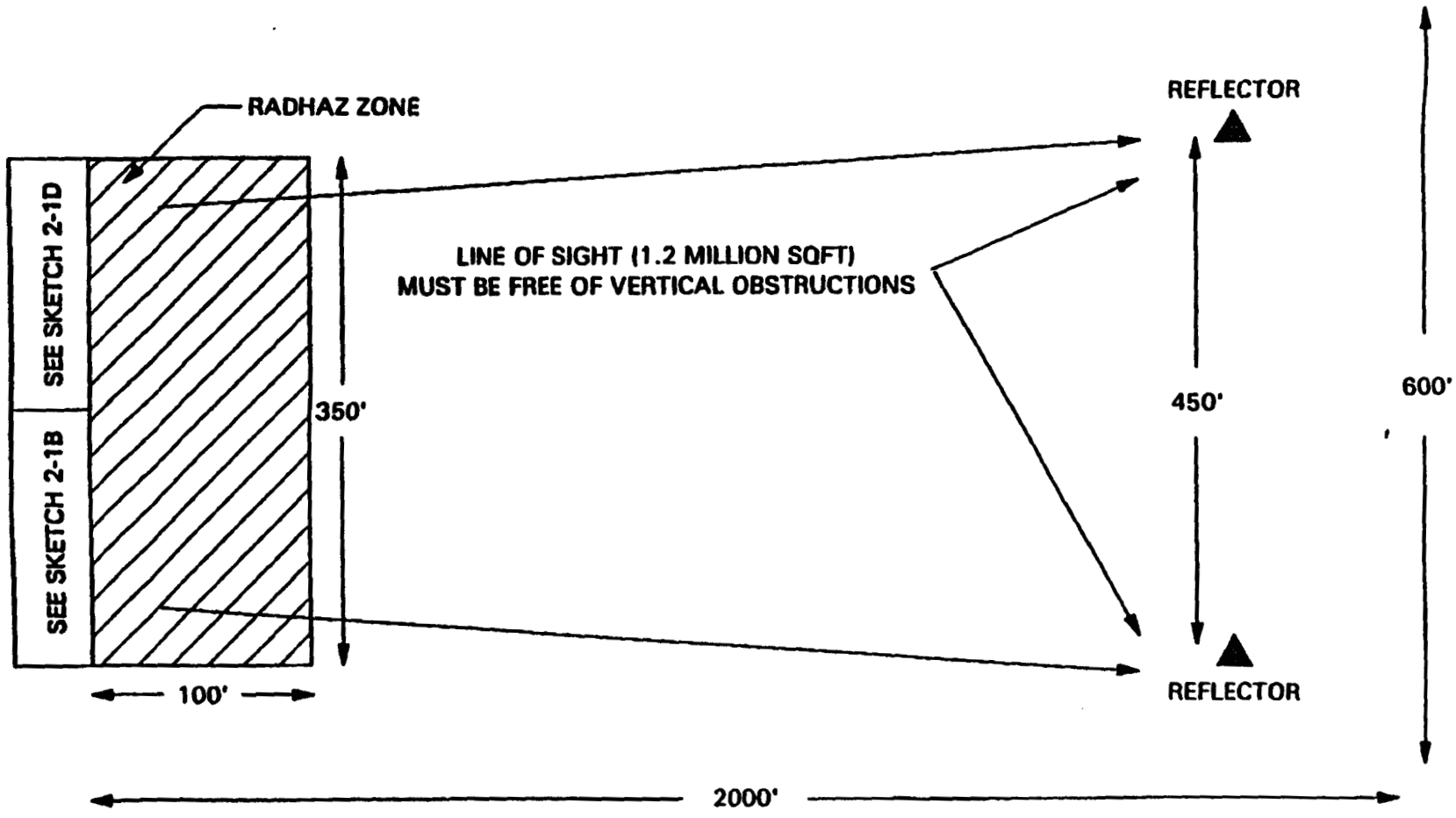
p. Provide a sketch, drawing or map of the range. **Sketch attached.**

2. Are any of your ranges part of the DoD Major Range and Test Facility Base (MRTFB)? (yes/no) If yes, which ones? **NO.**

3. Are there any limiting (current or future) environmental and/or encroachment characteristics that are associated with this range.

Facility will close March 1995 and relocate to San Diego.

* Utilized one work year and operated on an intermittent basis.


RADHAZ ZONE
REFLECTOR
SEE SKETCH 2-1D
SEE SKETCH 2-1B
LINE OF SIGHT (1.2 MILLION SQFT)
MUST BE FREE OF VERTICAL OBSTRUCTIONS
350'
450'
600'
100'
REFLECTOR
2000'

RANGE RESOURCES
RANGE CAPABILITY FORM

Technical Center Site	NISEWEST DET VALLEJO CA
Range Nomenclature or Title	RADAR TEST RANGE

1. List all the ranges that your activity maintains and operates. Provide the following information on each range:

a. A brief statement of what the range is used for.

Range space is required for the testing and calibration of electronic equipment that has been repaired, modified or overhauled.

b. Geographic location of the range.

Mare Island, CA to be relocated to San Diego.

c. Distance from the range to the activity's headquarters facility (main site).

Range is on site.

d. Range size in square miles.

Less than one square mile (6,000 square feet).

e. Scheduling authority.

NISEWEST SAN DIEGO CA

f. Air space available/restrictions.

None.

g. Maximum water depth available/restrictions.

N/A

h. Instrumentation capability.

N/A

i. Accuracy of tracking.

N/A

j. Data collection/replay capability.

YES

k. What are the maximum hours per year that this range is available to support activities? Provide the actual hours that the range was up and capable of providing services. Do not count "down time" due to maintenance, reconfiguration, or administrative activities (i.e., Holiday shutdowns).

l. What were the actual hours this range was utilized per year for the last five years (FYs 1989-1993)? **Data not available.**

m. What were the actual hours that this range was utilized in FY1993?

2088*

n. Who are the customers of the range?

NAVAIR, NAVSEA, SPAWAR

o. Of the actual hours utilized what percentage of utilization time was provided to which customers?

NAVAIR -50%, NAVSEA - 10%, SPAWAR-40%

p. Provide a sketch, drawing or map of the range. **Sketch attached.**

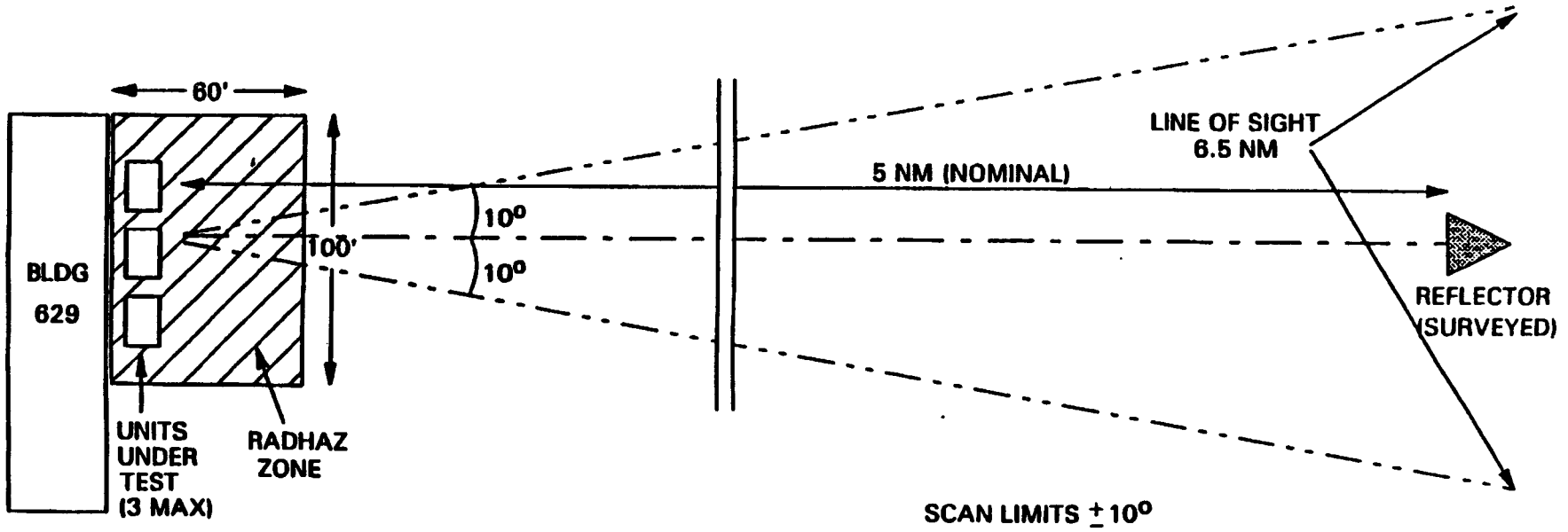
2. Are any of your ranges part of the DoD Major Range and Test Facility Base (MRTFB)? (yes/no) If yes, which ones?

NO

3. Are there any limiting (current or future) environmental and/or encroachment characteristics that are associated with this range.

Facility will close March 1995 and relocate to San Diego.

* Utilized one work year and operated on an intermittent basis.


60'
100'
BLDG
629
UNITS
UNDER
TEST
(3 MAX)
RADHAZ
ZONE
10°
10°
5 NM (NOMINAL)
LINE OF SIGHT
6.5 NM
REFLECTOR
(SURVEYED)
SCAN LIMITS ±10°

BRAC-95 CERTIFICATION

Certified Data: BRAC 95 Data Call Number Five - NISEWEST SAN DIEGO CA

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

NEXT ECHELON LEVEL (if applicable)

J. J. DONEGAN
NAME (Please type or print)

SIGNATURE

Commander
Title

30 JUNE 1994
Date

Naval Command, Control and Ocean Surveillance Center
Activity

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

MAJOR CLAIMANT LEVEL

W. H. CANTRELL
NAME (Please type or print)

W. H. Cantrell
Signature

Commander
Title

10 Aug 94
Date

Space and Naval Warfare Systems Command
Activity

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

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

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

J. B. Greene Jr.
Signature

ACTING
Title

15 Aug 1994
Date

Activity

BRAC DATA CALL #5
MILITARY VALUE

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

PETER S. PIERPONT
Captain, U.S. Navy
NAME (Please type or print)


Signature

Commanding Officer
Title

30 JUN 1994
Date

Naval Command, Control and Ocean
Surveillance Center, ISE West Coast Division
Activity

223

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

DATA CALL 65

Activity Name:	Naval Command, Control and Ocean Surveillance Center, ISE West Coast Division, San Diego
UIC:	N68944
Major Claimant:	Space and Naval Warfare Systems Command Washington DC

General Instructions/Background:

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

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

General Instructions/Background (Continued):

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

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

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

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

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

1. Workforce Data

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

Average Appropriated Fund Civilian Salary Rate:	$38,186.

Source of Data (1.a. Salary Rate): Business Director NISEWEST SAN DIEGO CA

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

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

County of Residence	State	No. of Employees Residing in County		Percentage of Total Employees	Average Distance From Base (Miles)	Average Duration of Commute (Minutes)
		Military	Civilian			
San Diego	CA	14	533	70	17	20
Solano	CA	1	22	3	10	15
Kauai	HI		1	-	5	10
Contr Costa	CA		202	25	20	30
Sonoma	CA		5	1	30	45
Yolo	CA		6	-	50	60
Sacramento	CA		1	-	60	75
Riverside	CA		1	-	75	90

786 = 100%

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

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

SAN DIEGO COUNTY

Source of Data (1.b. 1) & 2) Residence Data): (1.b.1)
(1.b.2) COMNAVBASE San Diego/MCB Camp Pendleton

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

City	County	Distance from base (miles)
San Diego	San Diego	0
Chula Vista	San Diego	15
Escondido	San Diego	30
Oceanside	San Diego	35
Tijuana	Baja, Mexico	20

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

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

Age Category	Number of Employees	Percentage of Employees
16 - 19 Years	1	.1
20 - 24 Years	2	.3
25 - 34 Years	136	17.7
35 - 44 Years	195	25.3
45 - 54 Years	278	36.1
55 - 64 Years	130	16.9
65 or Older	28	3.6
TOTAL	770	100 %

Source of Data (1.d.) Age Data): DCPDS 07/09/94

e. Education Level of Civilian Workforce

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

Last School Year Completed	Number of Employees	Percentage of Employees
8th Grade or less	0	0
9th through 11th Grade	7	.9
12th Grade or High School Equivalency	240	31.2
1-3 Years of College	173	22.5
4 Years of College (Bachelors Degree)	297	38.6
5 or More Years of College (Graduate Work)	53	6.8
TOTAL	770	100 %

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

Degree	Number of Civilian Employees
Terminal Occupation Program - Certificate of Completion, Diploma or Equivalent (for areas such as technicians, craftsmen, artisans, skilled operators, etc.)	12
Associate Degree	67
Bachelor Degree	299
Masters Degree	37
Doctorate	2

Source of Data (1.e.1) and 2) Education Level Data): DCPDS 07/09/94

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

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

Industry	SIC Codes	No. of Civilians	% of Civilians
1. Agriculture, Forestry & Fishing	01-09	-	-
2. Construction (includes facility maintenance and repair)	15-17	-	-
3. Manufacturing (includes Intermediate and Depot level maintenance)	20-39		
3a. Fabricated Metal Products (include ordnance, ammo, etc.)	34	-	-
3b. Aircraft (includes engines and missiles)	3721 et al	-	-
3c. Ships	3731	-	-
3d. Other Transportation (includes ground vehicles)	various	-	-
3e. Other Manufacturing not included in 3a. through 3d.	various	82	10.6
Sub-Total 3a. through 3e.	20-39	82	10.6
4. Transportation/Communications/Utilities	40-49		
4a. Railroad Transportation	40	-	-

Industry	SIC Codes	No. of Civilians	% of Civilians
4b. Motor Freight Transportation & Warehousing (includes supply services)	42	33	4.3
4c. Water Transportation (includes organizational level maintenance)	44	-	-
4d. Air Transportation (includes organizational level maintenance)	45	-	-
4e. Other Transportation Services (includes organizational level maintenance)	47	-	-
4f. Communications	48	-	-
4g. Utilities	49	-	-
Sub-Total 4a. through 4g.	40-49	33	4.3
5. Services	70-89		
5a. Lodging Services	70	-	-
5b. Personal Services (includes laundry and funeral services)	72	-	-
5c. Business Services (includes mail, security guards, pest control, photography, janitorial and ADP services)	73	55	7.1
5d. Automotive Repair and Services	75	-	-
5e. Other Misc. Repair Services	76	-	-
5f. Motion Pictures	78	-	-
5g. Amusement and Recreation Services	79	-	-
5h. Health Services	80	-	-
5i. Legal Services	81	3	.4
5j. Educational Services	82	-	-
5k. Social Services	83	-	-
5l. Museums	84	-	-

Industry	SIC Codes	No. of Civilians	% of Civilians
5m. Engineering, Accounting, Research & Related Services (includes RDT&E, ISE, etc.)	87	487	63.2
5n. Other Misc. Services	89	-	-
Sub-Total 5a. through 5n.:	70-89	545	70.8
6. Public Administration	91-97		
6a. Executive and General Government, Except Finance	91	77	10.1
0.1 6b. Justice, Public Order & Safety (includes police, firefighting and emergency management)	92	3	.4
6c. Public Finance	93	28	3.6
6d. Environmental Quality and Housing Programs	95	2	.3
Sub-Total 6a. through 6d.		110	14.3
TOTAL		770	100 %

Source of Data (1.f.) Classification By Industry Data): Manpower Analysis Offices NISEWEST SAN DIEGO CA

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

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

Occupation	Number of Civilian Employees	Percent of Civilian Employees
1. Executive, Administrative and Management	98	12.7
2. Professional Specialty		
2a. Engineers	258	33.5
2b. Architects and Surveyors	0	0
2c. Computer, Mathematical & Operations Research	6	.8
2d. Life Scientists		
2e. Physical Scientists		
2f. Lawyers and Judges	1	.1
2g. Social Scientists & Urban Planners		
2h. Social & Recreation Workers		
2i. Religious Workers		
2j. Teachers, Librarians & Counselors		
2k. Health Diagnosing Practitioners (Doctors)		
2l. Health Assessment & Treating(Nurses, Therapists, Pharmacists, Nutritionists, etc.)		
2m. Communications		

Occupation	Number of Civilian Employees	Percent of Civilian Employees
2n. Visual Arts		
Sub-Total 2a. through 2n.:	265	34.4
3. Technicians and Related Support		
3a. Health Technologists and Technicians		
3b. Other Technologists	273	35.5
Sub-Total 3a. and 3b.:	273	35.5
4. Administrative Support & Clerical	99	12.9
5. Services		
5a. Protective Services (includes guards, firefighters, police)		
5b. Food Preparation & Service		
5c. Dental/Medical Assistants/Aides		
5d. Personal Service & Building & Grounds Services (includes janitorial, grounds maintenance, child care workers)		
Sub-Total 5a. through 5d.		
6. Agricultural, Forestry & Fishing		
7. Mechanics, Installers and Repairers	18	2.3
8. Construction Trades		
9. Production Occupations	2	.3
10. Transportation & Material Moving	1	.1
11. Handlers, Equipment Cleaners, Helpers and Laborers (not included elsewhere)	14	1.8
TOTAL	770	100 %

Source of Data (1.g.) Classification By Occupation Data): DCPDS 07/09/94

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

1. **Executive, Administrative and Management.** Accountants and auditors; administrative services managers; budget analysts; construction and building inspectors; construction contractors and managers; cost estimators; education administrators; employment interviewers; engineering, science and data processing managers; financial managers; general managers and top executives; chief executives and legislators; health services managers; hotel managers and assistants; industrial production managers; inspectors and compliance officers, except construction; management analysts and consultants; marketing, advertising and public relations managers; personnel, training and labor relations specialists and managers; property and real estate managers; purchasing agents and managers; restaurant and food service managers; underwriters; wholesale and retail buyers and merchandise managers.
2. **Professional Specialty.** Use sub-headings provided.
3. **Technicians and Related Support.** Health Technologists and Technicians sub-category - self-explanatory. Other Technologists sub-category includes aircraft pilots; air traffic controllers; broadcast technicians; computer programmers; drafters; engineering technicians; library technicians; paralegal; science technicians; numerical control tool programmers.
4. **Administrative Support & Clerical.** Adjusters, investigators and collectors; bank tellers; clerical supervisors and managers; computer and peripheral equipment operators; credit clerks and authorizers; general office clerks; information clerks; mail clerks and messengers; material recording, scheduling, dispatching and distributing; postal clerks and mail carriers; records clerks; secretaries; stenographers and court reporters; teacher aides; telephone, telegraph and teletype operators; typists, word processors and data entry keyers.
5. **Services.** Use sub-headings provided.
6. **Agricultural, Forestry & Fishing.** Self explanatory.
7. **Mechanics, Installers and Repairers.** Aircraft mechanics and engine specialists; automotive body repairers; automotive mechanics; diesel mechanics; electronic equipment repairers; elevator installers and repairers; farm equipment mechanics; general maintenance mechanics; heating, air conditioning and refrigeration technicians; home appliance and power tool repairers, industrial machinery repairers; line installers and cable splicers; millwrights; mobile heavy equipment mechanics; motorcycle, boat and small engine mechanics; musical instrument repairers and tuners; vending machine servicers and repairers.
8. **Construction Trades.** Bricklayers and stonemasons; carpenters; carpet installers; concrete masons and terrazzo workers; drywall workers and lathers; electricians; glaziers; highway maintenance; insulation workers; painters and paperhangers; plasterers; plumbers and pipefitters; roofers; sheet metal workers; structural and reinforcing ironworkers; tilesetters.
9. **Production Occupations.** Assemblers; food processing occupations; inspectors, testers and graders; metalworking and plastics-working occupations; plant and systems operators, printing occupations; textile, apparel and furnishings occupations; woodworking occupations; miscellaneous production operations.
10. **Transportation & Material Moving.** Busdrivers; material moving equipment operators; rail transportation occupations; truckdrivers; water transportation occupations.
11. **Handlers, Equipment Cleaners, Helpers and Laborers** (not included elsewhere). Entry level jobs not requiring significant training.

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

1. Percentage of Military Employees Who Are Married:	50%
2. Percentage of Military Spouses Who Work Outside of the Home:	24%
3. Break out of Spouses' Location of Employment (Total of rows 3a. through 3d. should equal 100% and reflect the number of spouses used in the calculation of the "Percentage of Spouses Who Work Outside of the Home".	
3a. Employed "On-Base" - Appropriated Fund:	-
3b. Employed "On-Base" - Non-Appropriated Fund:	-
3c. Employed "Off-Base" - Federal Employment:	-
3d. Employed "Off-Base" - Other Than Federal Employment	100

Source of Data (1.h.) Spouse Employment Data): Military Personnel Coordinator NISEWEST SAN DIEGO CA

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

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

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

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

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

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

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

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

NISEWEST is located in the metropolitan area of San Diego. The facility has, in the past, supported as many as 10,000 workers as a major defense contractor facility. Average commute distances for employees is approximately 12 miles. The area "immediately outside the gate" can handle a 100% increase adequately in all categories.. As a matter of fact, most local services are, at the moment, under-utilized with only regional deficiencies generally applying. Items that contain "N/A" are regionally controlled.

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

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

Category	20% Increase	50% Increase	100% Increase
Hazardous/Toxic Waste Disposal	A	A	A
Recreational Activities	A	A	A

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

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

Source of Data (2.a. 1) & 2) - Local Community Table):	NISEWEST SAN DIEGO CA Management

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

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

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

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

Category	20% Increase	50% Increase	100% Increase
Storm Water Collection	A	A	A
Solid Waste Collection and Disposal	A	A	A
Hazardous/Toxic Waste Disposal	A	A	A
Recreation Facilities	A	A	A

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

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

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

3. Public Facilities Data:

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

Rental Units: 6.0%

Units for Sale: 1.5%

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

b. **Education.**

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

THIS QUESTION WAS ANSWERED FOR SAN DIEGO COUNTY SCHOOLS ONLY.

School District	County	Number of Schools			Enrollment		Pupil-to-Teacher Ratio		Does School District Serve Gov't Housing Units? *
		Elementary	Middle	High	Current	Max. Capacity	Current	Max. Ratio	
San Diego Unified School District	San Diego	112	22	16	127,000	(1)	30	32	Yes
Poway Unified School District	San Diego	18	5	3	27,884	23,000	22.5	34	Yes
Chula Vista City Elementary School District	San Diego	32	N/A	N/A	18,284	(1)	29.8	31	No
Sweetwater Union High School District	San Diego	N/A	10	9	29,000	(1)	27	27	No
South Bay Union Elementary School District	San Diego	13	N/A	N/A	9,832	(1)	33	33	No
San Ysidro Elementary School District	San Diego	5	1	N/A	3,080	(1)	30	30	No
Alpine Union Elementary School District	San Diego	3	1	N/A	2,059	1,600	26.6	30	No
Bonsall Union Elementary School District	San Diego	1 (K-3)	1 (4-8)	N/A	1,244	1,244	27	30	No
Cajon Valley Union Elementary School District	San Diego	20	4	N/A	18,223	14,870	30.3	33	No
Cardiff Elementary School District	San Diego	2	N/A	N/A	951	951	28	30	No
Dehesa Elementary School District	San Diego	1	N/A	N/A	175	210	28	32	No
Del Mar Union Elementary School District	San Diego	3	N/A	N/A	1,200	1,400	24	27	No
Encinitas Union Elementary School District	San Diego	8	N/A	N/A	5,013	6,650	28.5	28.5	No
Escondido Union Elementary School District	San Diego	14	3	N/A	15,800	(1)	30	30	No

School District	County	Number of Schools			Enrollment		Pupil-to-Teacher Ratio		Does School District Serve Gov't Housing Units? *
		Element-ary	Middle	High	Current	Max. Capacity	Current	Max. Ratio	
Fallbrook Union Elementary School District	San Diego	6	1	N/A	5,930	6100	30	33	Yes
Jamul-Dulzura Union Elementary School District	San Diego	2	1	N/A	1,229	1,229	27.5	33	No
Julian Union Elementary School District	San Diego	1	1	N/A	515	(1)	30	30	No
Lakeside Union Elementary School District	San Diego	7	2	N/A	4,897	(1)	28	31	Yes
La Mesa-Spring Valley	San Diego	18	4	N/A	14,200	13,461	28.3	32	Yes
Lemon Grove Elementary School District	San Diego	6	2	N/A	4,206	(1)	27	30	Yes
National Elementary School District	San Diego	10	N/A	N/A	6,248	(1)	30	32	Yes
Pauma Elementary School District	San Diego	2	N/A	N/A	390	(1)	26	32	No
Rancho Santa Fe Elementary School District	San Diego	1	1	N/A	590	(1)	30	30	No
San Pasqual Union Elementary School District	San Diego	1	N/A	N/A	260	315	26	35	No
Santee Elementary School District	San Diego	10	8	N/A	8,123	(1)	31	32	No
Solana Beach Elementary School District	San Diego	4	N/A	N/A	1,902	(1)	27	27	No
Spencer Valley Elementary School District	San Diego	1	N/A	N/A	28	(1)	28	30	No
Vallecitos Elementary School District	San Diego	1	N/A	N/A	215	215	32	32	No
Valley Center Union Elementary School District	San Diego	2	1	N/A	2,414	(1)	28	30	No
Warner Union Elementary School District	San Diego	1	N/A	N/A	260	400	26	35	No
Escondido Union High School District	San Diego	N/A	N/A	3	6,900	(1)	30	35	No

School District	County	Number of Schools			Enrollment		Pupil-to-Teacher Ratio		Does School District Serve Gov't Housing Units? *
		Elementary	Middle	High	Current	Max. Capacity	Current	Max. Ratio	
Fallbrook Union High School District	San Diego	N/A	N/A	1	2,500	(1)	30	30	No
Julian Union High School District	San Diego	N/A	N/A	1	200	(1)	17	35	No
San Dieguito Union High School District	San Diego	N/A	3	2	7270	7270	28.5	31	No
Borrego Springs Unified School District	San Diego	1	N/A	1 (7-12)	401	(1)	30	30	No
Mountain Empire Unified School District	San Diego	6	1 (7-12)	0	2,050	2,050	30	35	No
Oceanside Unified School District	San Diego	15	3	3	18,072	18,072	30	35	Yes
Ramona Unified School District	San Diego	5	1	2	6,500	6,400	30	35	Yes
San Marcos Unified School District	San Diego	7	1	3	10,300	10,067	31	35	No
Vista Unified School District	San Diego	13	3	2	21,000	(1)	30	35	No
Carlsbad Unified School District	San Diego	7	1	1	6,706	6,706	32	35	No
Coronado Unified School District	San Diego	2	1	1	2,400	(1)	30	31	Yes
Grossmont Union High School District	San Diego	N/A	N/A	10	20,010	(1)	30	32	No

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

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

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

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

NO SECTION 6 SCHOOLS ON ANY BASE IN SAN DIEGO COUNTY

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

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

San Diego State University
University of California San Diego
- a) Fifth College
- b) John Muir College
- c) Revelle College
- d) Third College
- e) Warren College

San Diego Miramar College
United States International University at San Diego
San Diego Mesa College
Grossmont College
University of San Diego
San Diego City College
Point Loma College
Cuyamaca College
Christian Hertiage College
Southwestern College
National University
Palomar College
Mira Costa College
California Western School of Law
Western State University College of Law
New School of Architecture
California School of Professional Psychology
Chapman College
Charles H Mason University
William Lyon University
The University for Humanistic Studies
West Coast University
La Jolla University
Webster University
La Jolla Academy of Advertising Arts
University of Phoenix
University of La Verne

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

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

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

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

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

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

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

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

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

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

Design Institute of San Diego
Interior Design

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

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

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

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

Academy of International Bartending
Bartending
DTI Institute
Advertising Art, Computer Graphics/Desktop Publishing, and Dental Lab Technology
Sawyer College of Business
Computerized Accounting, Legal Secretary, Electronics Technician, Word Processor, Computer Operator, and Receptionist
North Park College
Word Processor, Administrative Assistant, Micro Computer Repair Technician, Para-Legal Assistant

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

c. **Transportation.**

1) Is the activity served by public transportation?

	Yes	No
Bus:	X	
Rail:		X
Subway:		X
Ferry:		X

Source of Data (3.c.1) Transportation): knowledge of the Area

2) Identify the location of the nearest passenger railroad station (long distance rail service, not commuter service within a city) and the distance from the activity to the station.

AMTRAC Station, Broadway in San Diego. Distance from base: 3 miles

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

3) Identify the name and location of the nearest commercial airport (with public carriers, e.g., USAIR, United, etc.) and the distance from the activity to the airport.

San Diego International Airport (Lindberg Field), Harbor Drive, San Diego. Distance from base: 3 miles

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

4) How many carriers are available at this airport?

12 major airlines and 4 commuter airlines.

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

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

Interstate 5 - .3 miles
Interstate 8 - 1 mile

Source of Data (3.c.5) Transportation): Thomas Brothers Map

6) Access to Base:

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

The road quality accessing the base is adequate and was designed to handle a much larger flow then now exits.

b) Do access roads transit residential neighborhoods?

All access roads transit residential neighborhoods in the area.

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

No easements preclude expansion of the access road system.

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

There are no man-made barriers.

Source of Data (3.c.6) Transportation): San Diego City Planning Department

d. **Fire Protection/Hazardous Materials Incidents.** Does the activity have an agreement with the local community for fire protection or hazardous materials incidents? Explain the nature of the agreement and identify the provider of the service.

NISEWEST has no specific agreement with the local community.

Fire Protection: Federal Fire Department is (located at NTC) first responder. San Diego city fire department is the second respondent.

Hazardous Materials Incidents: Federal Fire Department is first respondent for emergency containment. Hazardous material clean-up is provided by Navy Public Works.

Source of Data (3.d. Fire/Hazmat): Federal Fire Department/NISEWEST SAN DIEGO CA Environmental Engineer

e. **Police Protection.**

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

NISEWEST has no legislative jursidication. Police protection is provided by the San Diego Police Department.

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

Not applicable.

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

No specific written agreement exists with local law enforcement. However, police protection is provided as follows:

The San Diego Police Department provides fast response to immediate danger or situations:

The Naval Criminal Investigative Service provided investigation on all issues.

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

Not Applicable.

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

Not Applicable.

Source of Data (3.e. 1) - 5) - Police): NISEWEST SAN DIEGO CA Security Department

f. **Utilities.**

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

NISEWEST has no specific agreements with the commute and utilities.

Water and Sewage: San Diego Metropolitan Water District
Refuse Disposal: Contract
Gas and Electric: San Diego Gas and Electric
Telephone: AT&t (CATS system)
Cellular/Pager: Airtouch, US West, PACBELL

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

No.

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

No.

Source of Data (3.f. 1) - 3) Utilities): Naval Facilities Engineering Command, Southwest Division

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

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

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

Source of Data (4. Business Profile): San Diego and Chula Vista Chamber of Commerce, Department of Navy, San Diego Association of Governments

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

a. Loss of Major Employers:

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

DOD facilities facing changes include the Naval Training Center that is closing and Miramar Naval Air Station that is becoming a Marine Corp Air training center both as a result of BRAC 93.

b. Introduction of New Businesses/Technologies:

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

c. Natural Disasters:

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

d. Overall Economic Trends:

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

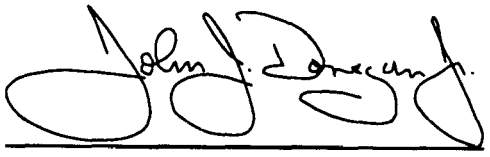
Source of Data (5. Other Socio/Econ): San Diego Associations of Governments.

BRAC-95 CERTIFICATION

Certified Data: BRAC 95 Data Call Number Sixty-Five - NISEWEST SAN DIEGO CA

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

NEXT ECHELON LEVEL (if applicable)



J. J. DONEGAN
NAME (Please type or print)

Commander
Title

22 July 1994
Date

Naval Command, Control and Ocean
Surveillance Center
Activity

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

MAJOR CLAIMANT LEVEL

W. H. CANTRELL
NAME (Please type or print)

W. H. Cantrell
Signature

Commander
Title

27 July 1994
Date

Space and Naval Warfare
Systems Command
Activity

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

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

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

Title

Activity

Signature

18 AUG 1994
Date

BRAC DATA CALL #65
Economic/Community Infrastructure Data Call

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

KAREN M. MACDOUGALL — Karen M. MacDougall
Lieutenant Commander, U.S. Navy
NAME (Please type or print) — Signature

Acting, Commanding Officer — 22 JUL 94
Title — Date

Naval Command, Control and Ocean
Surveillance Center, ISE West Coast Division
Activity