

Activity Information:

Activity Name:	NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION, ORELAND, PA
UIC:	62269
Host Activity Name (if response is for a tenant activity):	N/A
Host Activity UIC:	N/A

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

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

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

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INSTALLATION RESOURCES**

Table 1A - Base Operating Support Costs (Other Than DBOF Overhead)			
Activity Name: NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION, ORELAND, PA		UIC: 62269	
Category	FY 1996 BOS Costs (\$000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Maintenance and Repair	0	0	0
0	0	0	0
1c. Sub-total 1a. and 1b.	0	0	0
2. Other Base Operating Support Costs:			
2a. Utilities	0	0	0
2b. Transportation	0	0	0
2c. Environmental	0	0	0
2d. Facility Leases	0	0	0
2e. Morale, Welfare & Recreation	0	0	0
2f. Bachelor Quarters	0	0	0
2g. Child Care Centers	0	0	0
2h. Family Service Centers	0	0	0
2i. Administration	0	0	0
2j. Other (Specify)	0	0	0
2k. Sub-total 2a. through 2j:	0	0	0
3. Grand Total (sum of 1c. and 2k.):	0	0	0

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

<u>Appropriation</u>	<u>Amount (\$000)</u>
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N/A

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

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

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Table 1B - Base Operating Support Costs (DBOF Overhead)			
Activity Name: NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION, ORELAND, PA		UIC: 62269	
Category	FY 1996 Net Cost From UC/FUND-4 (\$000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Real Property Maintenance (>\$15K)	0	0	0
1b. Real Property Maintenance (<\$15K)	0	0	0
1c. Minor Construction (Expensed)	0	0	0
1d. Minor Construction (Capital Budget)	0	0	0
1c. Sub-total 1a. through 1d.	0	0	0
2. Other Base Operating Support Costs:			
2a. Command Office			
2b. ADP Support			
2c. Equipment Maintenance			
2d. Civilian Personnel Services			
2e. Accounting/Finance			
2f. Utilities	12	0	12
2g. Environmental Compliance			
2h. Police and Fire			
2i. Safety			
2j. Supply and Storage Operations			
2k. Major Range Test Facility Base Costs			
2l. Other (Specify)	3	0	3
2m. Sub-total 2a. through 2l:	15	0	15
3. Depreciation	0	0	0
4. Grand Total (sum of 1c., 2m., and 3.):	15	0	15

*** OTHER SERVICES CONSIST OF GROUND MAINTENANCE, SNOW REMOVAL AND TELEPHONE SERVICES. THERE ARE NO PERSONNEL(MILITARY OR CIVILIAN) ASSIGNED ON A PERMANENT BASIS TO THE OPEN WATER FACILITY DETACHMENT, NAWCAD, ORELAND, PA.**

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INSTALLATION RESOURCES**

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

Table 2 - Services/Supplies Cost Data	
Activity Name: NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION, ORELAND, PA	UIC: 62269
Cost Category	FY 1996 Projected Costs (\$000)
Travel:	0
Material and Supplies (including equipment):	0
Industrial Fund Purchases (other DBOF purchases):	0
Transportation:	0
Other Purchases (Contract support, etc.):	25
Total:	25

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3. Contractor Workyears.

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

Table 3 - Contract Workyears	
Activity Name: NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION, ORELAND, PA	UIC: 62269
Contract Type	FY 1996 Estimated Number of Workyears On-Base
Construction:	0
Facilities Support:	0
Mission Support:	0
Procurement:	0
Other:*	0
Total Workyears:	0

THERE ARE NO MILITARY, CIVILIAN OR CONTRACTOR WORKYEARS ASSIGNED TO THE OPEN WATER FACILITY.

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

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

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

N/A

2) Estimated number of workyears which would be eliminated:

NONE

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

NONE

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

No. of Additional Contract Workyears Which Would Be Eliminated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
.05	MINIMAL SUPPORT FOR GROUND MAINTENANCE AND SNOW REMOVAL.

No. of Additional Contract Workyears Which Would Be Relocated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
0	NOT FEASIBLE TO RELOCATE THE QUARRY

NAWCAD
ORELAND, PA

DATA CALL 66
BRAC-95 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

BARTON D. STRONG
NAME (Please type or print)

Barton D Strong
Signature

COMMANDER
Title

11 July 1994
Date

NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION PATUXENT RIVER, MD
Activity

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

NEXT ECHELON LEVEL (if applicable)

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

W E Newman
Signature

COMMANDER
Title

2/18/94 WEA
Date
8/24/94

NAVAL AIR WARFARE 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. C. BOWES, VADM, USN
NAME (Please type or print)

W C Bowes
Signature

COMMANDER
Title

29 AUG 94
Date

NAVAL AIR SYSTEMS COMMAND
Activity

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

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

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

W A Earner
Signature

Title

9/11/94
Date
29 AUG 94

Signature

Date

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

WILLIAM L. MCCRACKEN
NAME (Please type or print)


Signature

COMMANDING OFFICER
Title
NAVAL AIR WARFARE CENTER
AIRCRAFT DIVISION WARMINSTER
Activity

JUL 11 1994
Date

Document Separator

DATA CALL 63
FAMILY HOUSING DATA

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

Installation Name:	Deep Wtr Test Fac Oreland PA
Unit Identification Code (UIC):	
Major Claimant:	NAVAIR

Percentage of Military Families Living On-Base:	0
Number of Vacant Officer Housing Units:	0
Number of Vacant Enlisted Housing Units:	0
FY 1996 Family Housing Budget (\$000):	0
Total Number of Officer Housing Units:	0
Total Number of Enlisted Housing Units:	0

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

Enclosure (1)

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

MAJOR CLAIMANT LEVEL

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

Jack Buffington
Signature

COMMANDER
Title

7/20/94
Date

NAVAL FACILITIES ENGINEERING COMMAND
Activity

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

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

W. A. EARNER

NAME (Please type or print)

W. A. Earner
Signature

Title

7/25/94
Date

BRAC-95 CERTIFICATION

Reference: SECNAV NOTE 11000 dtd 8 Dec 93

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

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

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

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

ACTIVITY COMMANDER

W.A. Waters, CAPT, CEC, USN
NAME (Please type of print)

Commanding Officer
Title

NORTHNAVFACENGCOM
Activity



Signature
7/7/99

Date

Document Separator

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NAWC OWF UIC: 62269

**MILITARY VALUE DATA CALL
TECHNICAL CENTERS**

Category	
Technical Center Site	NAWC OPEN WATER FACILITY
Location/Address	ORELAND, PA

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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

Appendix A Functional Support Areas - Life Cycle Work Areas List

Appendix B Definitions for Functional Support Areas - Life Cycle Work Areas

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.

THE OPEN WATER FACILITY PRIMARY PURPOSE IS TO CONDUCT BOTH ACOUSTIC AND HYDROMECHANICAL RESEARCH AND DEVELOPMENT TESTING OF AIR ASW SYSTEMS.

THERE IS NO REFERENCE DOCUMENT FOR ASSIGNED MISSION.

2. **Joint Service Missions.** State any officially assigned joint/lead service assignments missions and cite the document(s) that assigned them.

N/A

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.

MANPOWER

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: NAWC OPEN WATER FACILITY, ORELAND, PA)**(UIC: UNDER NAWCAD WARMINSTER'S UIC: 62269)**

Function	Space allocated (Gross SQFT)	Work Years	Civilian Personnel onboard	Contract Work Years	Military Personnel Onboard	
					Off	Enl
ADMINISTRATION						
Command (CO/XO/TD/etc.)						
Comptroller						
Admin	12182					
Human Resources						
OPERATIONS SUPPORT						
Supply Management						
Consolidated Computational Computer Support						
Information Systems and Communications						
Safety/OSH/Environmental						
INFRASTRUCTURE						
Physical Security						
Public Works/Staff Civil Engr						
Fire Protection						
Medical/Dental						
Military Support						
Air/Waterfront Operations						
Other						
TECHNICAL STAFF						
Technical Operations	324400					
*TOTALS	336582	N/A	N/A	N/A	N/A	N/A

* TOTAL SQ. FT. DIFFERS FROM DATA CALL #4 BECAUSE THE WATER POND IS INCLUDED HERE AS PART OF THE TEST AREA. (360' BY 900').

NOTE: THE ORELAND QUARRY HAS NO FUNDING OR WORKYEARS ASSOCIATED SPECIFICALLY WITH THE FACILITY. THE FACILITY IS ONE SMALL ASSET OF THE NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION, WARMINSTER.

THE SITE IS A FLOODED QUARRY WITH A WATER DEPTH OF 65 FT. THE MAIN BUILDING IS A FLOATING TEST FACILITY THAT WAS A MODULAR PREFAB ERECTED AT THE SITE IN THE 60'S. THE LAUNCH FACILITY AND THE OBSERVATION TOWER GET VERY LITTLE USE AND ARE ESSENTIALLY OBSOLETE.

**Table 4.2, General Support Resources for all Detachments
(Activity: _NAWC OPEN WATER FACILITY)**

(UIC: UNDER NAWCAD WARMINSTER'S UIC 62269)

Function	Space allocated (Gross SQFT)	Work Years	Civilian Personnel onboard	Contract Work Years	Military Personnel Onboard	
					Off	Enl
ADMINISTRATION						
Command (CO/ XO/ TD/etc.)	N/A	N/A	N/A	N/A	N/A	N/A
Comptroller	N/A	N/A	N/A	N/A	N/A	N/A
Admin	N/A	N/A	N/A	N/A	N/A	N/A
Human Resources	N/A	N/A	N/A	N/A	N/A	N/A
OPERATIONS SUPPORT						
Supply Management	N/A	N/A	N/A	N/A	N/A	N/A
Consolidated Computational Computer Support	N/A	N/A	N/A	N/A	N/A	N/A
Information Systems and Communications	N/A	N/A	N/A	N/A	N/A	N/A
Safety/OSH/Environmental	N/A	N/A	N/A	N/A	N/A	N/A
INFRASTRUCTURE						
Physical Security	N/A	N/A	N/A	N/A	N/A	N/A
Public Works/Staff Civil Engr	N/A	N/A	N/A	N/A	N/A	N/A
Fire Protection	N/A	N/A	N/A	N/A	N/A	N/A
Medical/Dental	N/A	N/A	N/A	N/A	N/A	N/A
Military Support	N/A	N/A	N/A	N/A	N/A	N/A
Air/Waterfront Operations	N/A	N/A	N/A	N/A	N/A	N/A
Other	N/A	N/A	N/A	N/A	N/A	N/A
TECHNICAL STAFF						
Technical Operations	N/A	N/A	N/A	N/A	N/A	N/A
Totals	N/A	N/A	N/A	N/A	N/A	N/A

Table 4.3, Previous BRAC Impact to General Support Resources for (Activity: NAWC OPEN WATER FACILITY)

**(UIC: UNDER NAWCAD WARMINSTER'S UIC 62269)
N/A**

Function	Space allocated (Gross SQFT)	Work Years	Civilian Personnel onboard	Contract Work Years	Military Personnel Onboard	
					Off	Enl
ADMINISTRATION						
Command (CO/XO/ TD/etc.)	N/A	N/A	N/A	N/A	N/A	N/A
Comptroller						
Admin						
Human Resources						
OPERATIONS SUPPORT						
Supply Management						
Consolidated Computational Computer Support						
Information Systems and Communications						
Safety/OSH/Environmental						
INFRASTRUCTURE						
Physical Security						
Public Works/Staff Civil Engr						
Fire Protection						
Medical/Dental						
Military Support						
Air/Waterfront Operations						
Other						
TECHNICAL STAFF						
Technical Operations						
Totals						

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: NAWC OPEN WATER FACILITY) (UIC: UNDER NAWC WARMINSTER'S UIC: 62269)

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	N/A	N/A	N/A	N/A	N/A	N/A
High School	N/A	N/A	N/A	N/A	N/A	N/A
B.A./B.S	N/A	N/A	N/A	N/A	N/A	N/A
M.A./M.S	N/A	N/A	N/A	N/A	N/A	N/A
Ph.D./M.D.	N/A	N/A	N/A	N/A	N/A	N/A
Total	N/A	N/A	N/A	N/A	N/A	N/A

Table 5.2, Technical Staff Education Level for all Detachments (Parent Activity: NAWC OPEN WATER FACILITY) (UIC: UNDER NAWCAD WARMINSTER'S UIC: 62269)

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	N/A	N/A	N/A	N/A	N/A	N/A
High School	N/A	N/A	N/A	N/A	N/A	N/A
B.A./B.S	N/A	N/A	N/A	N/A	N/A	N/A
M.A./M.S	N/A	N/A	N/A	N/A	N/A	N/A
Ph.D./M.D.	N/A	N/A	N/A	N/A	N/A	N/A
Total	N/A	N/A	N/A	N/A	N/A	N/A

b. Use Table 5.3 (below) to provide data on the number of 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: NAWC OPEN WATER FACILITY) (UIC: UNDER NAWCAD
WARMINSTER'S UIC: 62269)**

Academic field	Number
Physics	N/A
Chemistry	N/A
Biology	N/A
Mathematics/Statistics/ Operations Research	N/A
Engineering	N/A
Medical	N/A
Dental	N/A
Computer Science	N/A
Social Science	N/A
Other Science	N/A
Non-Science	N/A
Total	N/A

**Table 5.4, Technical Staff Academic Fields for all Detachments
(Parent Activity: NAWC OPEN WATER FACILITY) (UIC: UNDER NAWCAD
WARMINSTER'S UIC: 62269)**

Academic field	Number
Physics	N/A
Chemistry	N/A
Biology	N/A
Mathematics/Statistics/ Operations Research	N/A
Engineering	N/A
Medical	N/A
Dental	N/A
Computer Science	N/A
Social Science	N/A
Other Science	N/A
Non-Science	N/A
Total	N/A

c. Are there unique aspects of the activity's location that help or hinder in the hiring of qualified personnel?

N/A

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.

N/A

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.

N/A

f. Identify any Nobel laureates employed at this activity.

N/A

g. List all non-governmental awards for research or technical excellence given to members of your technical staff since 1 January 1990.

N/A

h. List all governmental awards for research or technical excellence given to members of your technical staff since 1 January 1990.

N/A

i. List all patents awarded to the in-house technical staff members of this activity since 1 January 1990.

N/A

j. List all patents applied for by the in-house technical staff members of this activity since 1 January 1990.

N/A

k. Identify any in-house staff that are members of the National Academy of Engineering.

N/A

l. Identify any in-house staff that are members of the National Academy of Sciences.

N/A

m. How many Cooperative Research and Development Agreements (CRDAs) have been signed by the activity since 1 January 1990?

N/A

n. What has been the activity's annual royalty income from CRDAs and patent licenses for each year since 1 January 1990?

N/A

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.

N/A

FACILITIES AND EQUIPMENT

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.

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.

N/A

b. What MILCON projects are currently programmed to be completed by the end of FY1995? For each project provide:

N/A

(1) A description of the proposed facility with title and project number. Be sure to include the trailing alpha designator for BRACs-88, 91 and 93 realignment projects, i.e., P-xxxR, P-xxxS, P-xxxT .

N/A

(2) The functional support area(s) that the new facility will support. Refer to Appendix A.

N/A

(3) Identify installed equipment to be provided based on the threshold guidance of paragraph 6, page 12, of this data call.

N/A

(4) The additional square footage that this project will provide to the functional support area(s).

N/A

(5) The current working estimate (CWE) & planned beneficial occupancy date (BOD) of the project.

N/A

c. What MILCON projects are currently programmed to be executed/completed after FY1995? For each project provide:

N/A

(1) A description of the proposed facility with title and project number.

(2) The functional support area(s) the new facility will support.

(3) The identified installed equipment to be provided based on the threshold guidance of paragraph 6, page 12, of this data call.

(4) The additional square footage this project will provide to the functional support area(s).

(5) CWE & planned BOD.

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.

N/A

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?

N/A

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.

THE NATURE OF THE FACILITY REQUIRES THAT IT BE LOCATED ON A SUBSTANTIALLY LARGE, BENIGN, AND ACOUSTICALLY QUIET BODY OF WATER.

b. What is the importance of the present location relative to customers supported?

THE LOCATION IS NOT IMPORTANT. THE FACILITY REQUIREMENT IS DESCRIBED IN 8A ABOVE.

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.

N/A

10. Mobilization Responsibility and Capability.

a. Describe any mobilization responsibility officially assigned to this site. Cite the document assigning the responsibility.

N/A

(1) What functional support area(s) does this responsibility support? Refer to Appendix A for the list of functional support areas?

N/A

(2) What portion of the work years 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?

N/A

(3) How many additional personnel (military & civilian) would be assigned to your activity as part of the mobilization responsibility? Include separately any contractor assets that would be added.

N/A

b. Does your activity have adequate facilities to support your mobilization responsibilities? (yes/no)

N/A

(1) If yes, is any space assigned for the sole purpose of maintaining mobilization readiness? (yes/no) If yes, list the square footage assigned.

N/A

(2) If no, what repairs, renovations and/or additions are required to provide adequate facilities? What is the estimated cost of this work?

N/A

(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.

N/A

c. Describe any production facilities that would be activated in case of a future contingency.

N/A

d. Is your activity used as a Reserve Unit mobilization and/or training site?

N/A

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:

N/A

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.

N/A

QUALITY OF LIFE

12. Military Housing

(a) Family Housing:

(1) Do you have mandatory assignment to on-base housing? (circle) yes **no**
N/A

(2) For military family housing in your locale provide the following information:
N/A

Type of Quarters	Number of Bedrooms	Total number of units	Number Adequate	Number Substandard	Number Inadequate
Officer	4+				
Officer	3				
Officer	1 or 2				
Enlisted	4+				
Enlisted	3				
Enlisted	1 or 2				
Mobile Homes					
Mobile Home lots					

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

N/A

- Facility type/code:
- What makes it inadequate?
- What use is being made of the facility?
- What is the cost to upgrade the facility to substandard?
- What other use could be made of the facility and at what cost?
- Current improvement plans and programmed funding:
- Has this facility condition resulted in C3 or C4 designation on your

BASEREP?

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

N/A

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

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

N/A

	Top Five Factors Driving the Demand for Base Housing
1	
2	
3	
4	
5	

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

N/A

¹EEEEEAs of 31 March 1994.

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

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

(8) As of 31 March 1994, have you experienced much of a change since FY 1993? If so, why? If occupancy is under 98% (or vacancy over 2%), is there a reason? N/A

(b) BEQ:

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

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

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

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

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

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

N/A

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

(5) How many geographic bachelors do not live on base? N/A

(c) **BOQ:**

(1) Provide the utilization rate for BOQs for FY 1993. **N/A**

Type of Quarters	Utilization Rate
Adequate	
Substandard	
Inadequate	

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

(3) Calculate the Average on Board (AOB) for geographic bachelors as follows: **N/A**

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

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

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

(5) How many geographic bachelors do not live on base? **N/A**

(d) **BOQ/BEQ Housing and Messing.**

(1) Provide data on the BOQs and BEQs assigned to your current plant account. The desired unit of measure for this capacity is people housed. Use CCN to differentiate between pay grades, i.e., E1-E4, E5-E6, E7-E9, CWO-O2, O3 and above.

N/A

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft

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

N/A

- a. FACILITY TYPE/CODE:
- b. WHAT MAKES IT INADEQUATE?
- c. WHAT USE IS BEING MADE OF THE FACILITY?
- d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
- e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?
- f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING:
- g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP?

(3) Provide data on the BOQs and BEQs projected to be assigned to your plant account in FY 1997. The desired unit of measure for this capacity is people housed. Use CCN to differentiate between pay grades, i.e., E1-E4, E5-E6, E7-E9, CWO-O2, O3 and above.

Facility Type, Bldg. # & CCN	Total No. of Beds	Total No. of Rooms	Adequate		Substandard		Inadequate	
			Beds	Sq Ft	Beds	Sq Ft	Beds	Sq Ft
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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

N/A

- a. FACILITY TYPE/CODE:
- b. WHAT MAKES IT INADEQUATE?
- c. WHAT USE IS BEING MADE OF THE FACILITY?
- d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
- e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?
- f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING:
- g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP?

(5) Provide data on the messing facilities assigned to your current plant account.

Facility Type, CCN and Bldg. #	Total Sq. Ft.	Adequate		Substandard		Inadequate		Avg # Noon Meals Served
		Seats	Sq Ft	Seats	Sq Ft	Seats	Sq Ft	
N/A								
N/A								
N/A								

N/A								
-----	--	--	--	--	--	--	--	--

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

N/A

- a. FACILITY TYPE/CODE:
- b. WHAT MAKES IT INADEQUATE?
- c. WHAT USE IS BEING MADE OF THE FACILITY?
- d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
- e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?
- f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING:
- g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP?

(7) Provide data on the messing facilities projected to be assigned to your plant account in FY 1997.

Facility Type, CCN and Bldg. #	Total Sq. Ft.	Adequate		Substandard		Inadequate		Avg # Noon Meals Served
		Seats	Sq Ft	Seats	Sq Ft	Seats	Sq Ft	
N/A								
N/A								
N/A								
N/A								

(8) In accordance with NAVFACINST 11010.44E, an inadequate facility cannot be made adequate for its present use through "economically justifiable means". For all the categories above where inadequate facilities are identified provide the following information: N/A

- a. FACILITY TYPE/CODE:
- b. WHAT MAKES IT INADEQUATE?
- c. WHAT USE IS BEING MADE OF THE FACILITY?
- d. WHAT IS THE COST TO UPGRADE THE FACILITY TO SUBSTANDARD?
- e. WHAT OTHER USE COULD BE MADE OF THE FACILITY AND AT WHAT COST?
- f. CURRENT IMPROVEMENT PLANS AND PROGRAMMED FUNDING:
- g. HAS THIS FACILITY CONDITION RESULTED IN C3 OR C4 DESIGNATION ON YOUR BASEREP?

13. **MWR Facilities.** For on-base MWR facilities² available, complete the following table for each separate location. For off-base government owned or leased recreation facilities indicate distance from base. If there are any facilities not listed, include them at the bottom of the table.

N
LOCATION N/A **DISTANCE** N/A

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

Facility	Unit of Measure	Total	Profitable (Y,N,N/A)
Volleyball CT (outdoor)	Each		
Basketball CT (outdoor)	Each		
Racquetball CT	Each		
Golf Course	Holes		
Driving Range	Tee Boxes		
Gymnasium	SF		
Fitness Center	SF		
Marina	Berths		
Stables	Stalls		
Softball Fld	Each		
Football Fld	Each		
Soccer Fld	Each		
Youth Center	SF		

² Spaces designed for a particular use. A single building might contain several facilities, each of which should be listed separately.

(a) Is your library part of a regional interlibrary loan program? N/A

14. Base Family Support Facilities and Programs.

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

N/A

Age Category	Capacity (Children)	SF			Number on Wait List	Average Wait (Days)
		Adequate	Substandard	Inadequate		
0-6 Mos						
6-12 Mos						
12-24 Mos						
24-36 Mos						
3-5 Yrs						

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

Facility type/code:

What makes it inadequate?

What use is being made of the facility?

What is the cost to upgrade the facility to substandard?

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

Current improvement plans and programmed funding:

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

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

d. How many "certified home care providers" are registered at your base? N/A

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

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

N/A

N/A

Service	Unit of Measure	Qty
Exchange	SF	
Gas Station	SF	
Auto Repair	SF	
Auto Parts Store	SF	
Commissary	SF	
Mini-Mart	SF	
Package Store	SF	
Fast Food Restaurants	Each	
Bank/Credit Union	Each	
Family Service Center	SF	
Laundromat	SF	
Dry Cleaners	Each	
ARC	PN	
Chapel	PN	
FSC Classrm/Auditorium	PN	

15. Proximity of Closest Major Metropolitan Areas (provide at least three):

City	Distance (Miles)
Philadelphia, PA	2 miles
Norristown, PA	7 miles
Trenton, NJ	25 miles

16. Standard Rate VHA Data for Cost of Living: N/A

Paygrade	With Dependents	Without Dependents
E1		
E2		
E3		
E4		
E5		
E6		
E7		
E8		
E9		
W1		
W2		
W3		
W4		
O1E		
O2E		
O3E		
O1		
O2		
O3		
O4		
O5		
O6		
O7		

17. Off-base Housing Rental and Purchase

(a) Fill in the following table for average rental costs in the area for the period 1 April 1993 through 31 March 1994. **N/A SINCE THERE ARE NO PERSONNEL ASSIGNED SPECIFICALLY TO THIS FACILITY.**

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

(b) What was the rental occupancy rate in the community as of 31 March 1994? N/A

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

(c) What are the median costs for homes in the area? N/A

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

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

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

(e) Describe the principle housing cost drivers in your local area.

18. For the top five sea intensive ratings in the principle warfare community your base supports, provide the following: N/A

Rating	Number Sea Billets in the Local Area	Number of Shore billets in the Local Area

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

Location	% Employees	Distance (mi)	Time(min)

20. Complete the tables below to indicate the civilian educational opportunities available to service members stationed at the installation (to include any outlying sites) and their dependents:

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

N/A

Institution	Type	Grade Level(s)	Special Education Available	Annual Enrollment Cost per Student	1993 Avg SAT/ACT Score	% HS Grad to Higher Educ	Source of Info

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

Institution	Type Classes	Program Type(s)				
		Adult High School	Vocational/ Technical	Undergraduate		Graduate
				Courses only	Degree Program	
	Day					
	Night					
	Day					
	Night					
	Day					
	Night					
	Day					
	Night					

(c) List the educational institutions which offer programs on-base available to service members and their adult dependents. Indicate the extent of their programs by placing a "Yes" or "No" in all boxes as applies. N/A

Institution	Type Classes	Program Type(s)				
		Adult High School	Vocational/ Technical	Undergraduate		Graduate
				Courses only	Degree Program	
	Day					
	Night					
	Correspondence					
	Day					
	Night					
	Correspondence					
	Day					
	Night					
	Correspondence					
	Day					
	Night					
	Correspondence					

21. Spousal Employment Opportunities.

Provide the following data on spousal employment opportunities. N/A

Skill Level	Number of Military Spouses Serviced by Family Service Center Spouse Employment Assistance			Local Community Unemployment Rate
	1991	1992	1993	
Professional				
Manufacturing				
Clerical				
Service				
Other				

22. **Medical/Dental.** N/A

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

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

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

NO PERSONNEL ASSIGNED TO THE BASE, THEREFORE CRIME RATE HAS NO CONSEQUENCE WITH RESPECT TO THE FACILITY.

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

Crime Definitions	FY 1991	FY 1992	FY 1993
5. Customs (6M)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
6. Burglary (6N)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
7. Larceny - Ordnance (6R)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
8. Larceny - Government (6S)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			

Crime Definitions	FY 1991	FY 1992	FY 1993
9. Larceny - Personal (6T)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
10. Wrongful Destruction (6U)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
11. Larceny - Vehicle (6V)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
12. Bomb Threat (7B)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			

Crime Definitions	FY 1991	FY 1992	FY 1993
13. Extortion (7E)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
14. Assault (7G)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
15. Death (7H)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
16. Kidnapping (7K)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			

Crime Definitions	FY 1991	FY 1992	FY 1993
18. Narcotics (7N)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
19. Perjury (7P)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
20. Robbery (7R)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			
21. Traffic Accident (7T)			
Base Personnel - military			
Base Personnel - civilian			
Off Base Personnel - military			
Off Base Personnel - civilian			

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

TAB A
TECHNICAL OPERATIONS
FUNCTIONAL SUPPORT AREA - LIFE CYCLE WORK AREA FORM

Technical Center Site:	Naval Air Warfare Center Aircraft Division, Open Water Facility, Oreland, Pa
Functional Support Area:	6.2 Acoustic block Programs 6.3 and 6.4 Sensor Development and Production Programs

	In-House WYs	In-House Expend. \$(K)	Out-Of-House Expend. \$(K)	Direct Cite \$(K)	Comments
RDT&E					
1. Basic Research					
2. Exploratory Development					
3. Advanced Development					
4. Eng. & Mfg. Development					
5. RDT&E Management Support					
6. Operational Systems Development					
ACQUISITION					
7. Production					
8. Acceptance Testing					
9. Modernization					
10. Program Support					
LIFE-TIME SUPPORT					
11. Maintenance					
12. Repair					
13. Testing					
14. In-Service Engineering					
15. Program Support					
16. Retirement					
GENERAL					
17. Training/Operational Support					
18. Simulation, Modeling, & Analysis					

NOTE: The Quarry at Oreland is used as a facility, when required, but receives no separate funding or manpower authorizations. The facility is one small asset of the Naval Air Warfare Center, Aircraft Division, Warminster.

NAWC OPEN WATER FACILITY, ORELAND, PA

TAB B

SPECIAL FACILITIES AND EQUIPMENT

FACILITIES/EQUIPMENT CAPABILITY FORM

TAB B

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**SPECIAL FACILITIES AND EQUIPMENT
FACILITIES/EQUIPMENT CAPABILITY FORM**

Technical Center Site	NAWCAD WARMINSTER
Facility/Equipment Nomenclature or Title	NAWC Open Water Facility, Oreland, Pa

1. State the primary purpose(s) of the facility/equipment.

The primary purpose of the Open Water Facility is to conduct both acoustic and hydromechanical research and development testing of air ASW systems.

2. Indicate whether the facility/equipment is portable, moveable or fixed as defined by paragraph 6, page 12 of this data call.

The Open Water Facility is a fixed facility.

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.

The site itself, i.e., a flooded quarry with a water depth of 65 ft., is integral to the facility. The Navy purchased the property in the late 80's for approximately \$750K. The main building is a floating test facility that was a modular prefab erected at the site in the 60's. The replacement value is unknown, but as a guess it could possibly be replaced for approximately \$500K. The fixed equipment consists primarily of the tow rail and the acoustic facility gantries. They could probably be replaced for approximately \$500K. The rest of the equipment is mostly portable consisting mainly of standard test equipment with an approximate value of \$1000K. The launch facility and the observation tower get very little use and are essentially obsolete.

4. Provide the gross weight and cube of the facility/equipment.

The building is approximately 3000 sqft. The fixed equipment is approximately 500 cuft and weighs approximately 3 tons. The portable equipment is approximately 6000 cuft and weighs approximately 50 tons.

5. Indicate any "special" utility support required by this facility/equipment other than normal electrical power.

This facility is off site and requires standard public utility service.

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6. Indicate any special budget requirements for the facility/equipment (i.e., special foundations, non-ferrous materials, shielding, hardening, etc.).

The nature of the facility requires that it be located on a substantially large, benign, and acoustically quiet body of water.

7. State any environmental control requirements for the facility/equipment (i.e., temperature, humidity, air scrubbing).

Environmental controls not required.

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.

Much of the active acoustic work could be performed at facilities such as NUWC's Seneca Lake Facility. The passive work requires an equivalently quiet ambient which is not known to be readily available. The hydromechanical work could be relocated to one of several tow facilities; however, they tend to be considerably more expensive than the OWF.

also being used?

9. Indicate how and when the facility/equipment was transported and or constructed at the site.

The facility was constructed on site in Oreland in the mid 60's.

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.

The OWF supports the 6.2 Acoustic Block Programs sponsored by ONR, and the 6.3 and 6.4 Sensor Development and Production Programs sponsored by NAVAIR PMA-264.

11. Provide the historical utilization average for the past five fiscal years (1989-1993). Define the unit of measure used.

Utilization has been declining over the last 5 years in line with the general decline in ASW business. Where the unit of measure is the percentage of time that testing is performed at the facility, the estimated usage has been:

1989	80%
1990	80%
1991	50%
1992	50%
1993	20%

TAB B

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12. Provide the projected utilization data out to FY1997.

The current utilization is holding at 20% and is likely to continue until the NAWC moves out of Warminster. It is expected that the loss of a convenience factor at that time will seriously reduce the existing business.

13. What is the approximate number of personnel used to operate the facility/equipment?

There is one person assigned to the facility on an as need basis. This amounts to approximately .25 manyear.

14. What is the approximate number of personnel needed to maintain the equipment?

One person is responsible for maintaining the equipment at this facility.

15. Provide one 8 1/2 x 11 black and white photo of the facility/equipment.
Photo is provided.

TAB B

Page 4 of 4

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DATA CALL 5
NAWC AIRCRAFT DIVISION
ORELAND, PA

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

NEXT ECHELON LEVEL (if applicable)

BARTON D. STRONG, RADM, USN
NAME (Please type or print)
COMMANDER
Title
NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION
Activity

Barton D. Strong
Signature
28 June 1994
Date

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

NEXT ECHELON LEVEL (if applicable)

G. H. STROHSAHL, RADM, USN
NAME (Please type or print)
COMMANDER
Title
NAVAL AIR WARFARE CENTER
Activity

G. H. Strohsahl
Signature
6/6
Date

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

MAJOR CLAIMANT LEVEL

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

W. C. Bowes
Signature
8 JUL 94
Date

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

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

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

W. A. Earner
Signature
7/20/94
Date

BRAC-95 CERTIFICATION
DATA CALL FIVE

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

WILLIAM L. MCCRACKEN
NAME (Please type or print)

COMMANDING OFFICER
Title

NAVAIRWARCENACDIVWAR
Activity


Signature

7/6/94
Date

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NAWC OWF UIC: 62269

**NAWCAD WARMINSTER, NAWC OPEN WATER
FACILITY, ORELAND, PA**

Department of Defense

**1995 Base Realignment and
Closure
T&E Joint Cross-Service Group Data
Guidance**

March 31, 1994

T&E JOINT CROSS-SERVICE GROUP DATA GUIDANCE

SECTION 1:GUIDANCE, STANDARDS, AND ASSUMPTIONS

- 1.1 GUIDANCE**
- 1.1.A Guidance for Identification of Test and Evaluation (T&E) Facilities/Capabilities**
- 1.1.B Guidance for Military Department Data Collection**
- 1.1.C Guidance for Military Department Data Analysis**
- 1.2 ASSUMPTIONS**
- 1.3 FUNCTIONAL AREAS**
- 1.3.A Air Vehicles**
- 1.3.B Electronic Combat (EC) Systems**
- 1.3.C Armaments/Weapons**

SECTION 2:CAPACITY & TECHNICAL RESOURCES

- 2.1 WORKLOAD**
- 2.1.A Historical Workload**
- 2.1.B Forecasted Workload**
- 2.2 UNCONSTRAINED CAPACITY**
- 2.3 TECHNICAL RESOURCES**

SECTION 3: MEASURES OF MERIT

- 3.1 OVER-ARCHING MEASURES OF MERIT**
 - 3.1.A Interconnectivity**
 - 3.1.B Facility Condition**
 - 3.1.C Environmental and Encroachment Carrying Capacity**
 - 3.1.D Specialized Test Support Facilities and Targets**
 - 3.1.E Expandability**
 - 3.1.F Uniqueness**
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 - 3.1.H Geographic/Climatological Features**
- 3.2 AIR VEHICLES**
 - 3.2.A Supersonic Airspace**
 - 3.2.B Airfield and Facility Characteristics**
 - 3.2.C Test Operations**
- 3.3 ELECTRONIC COMBAT**
 - 3.3.A Threat Environment**
 - 3.3.B Test Article Support**
- 3.4 ARMAMENTS/WEAPONS**
 - 3.4.A Directed Energy**
 - 3.4.B Rocket/Missile/Bomb Systems**

T&E JOINT CROSS-SERVICE GROUP

SECTION 1: GUIDANCE, STANDARDS, AND ASSUMPTIONS

The Military Departments will use the following information for data collection on each facility that has performed T&E and is still capable of performing T&E within the three functional areas of air vehicles, electronic combat, and armaments/weapons for any component (hardware or software), subsystem, system, or platform. Guidance is provided on conducting a cross-service analysis.

1.1 GUIDANCE

1.1.A Guidance for Identification of Test and Evaluation (T&E) Facilities / Capabilities

1.1.A.1 Scope

All DoD installations will be examined to identify facilities that have and are still capable of performing T&E within the three functional areas of air vehicles, electronic combat, and armaments/weapons.

All facilities (tenant and host on the installation) owned by DoD are within scope of this examination.

The Military Departments and Defense Agencies are responsible for submitting the data.

The scope of this examination will include T&E facilities that are funded from any funding source and appropriation (RDT&E, procurement, O&M, training, etc.).

1.1.A.2 T&E Facilities / Capabilities

The definition of a T&E facility/capability to be used for purposes of data collection will be a set of DoD-owned or controlled property (air/land/sea space) or any collection of equipment, platforms, ADPE or instrumentation that can conduct a T&E operation and provide a deliverable T&E product.

The T&E facility can support T&E of components through systems platforms or missions in the following functional areas: air, land, sea, space, C4I, armaments/weapons, electronic combat, nuclear effects, chem/bio, propulsion, environmental effects, guidance, and materials.

The T&E facilities will be grouped under one of the following test facility categories: modeling and simulation, measurement, integration laboratory, hardware-in-the-loop, installed systems, or open air (See Appendix A for definitions). It will typically consist of all of the following components: data collection sensors and instrumentation, data reception and storage, data processing, and data display and reporting.

The scope will include T&E operations from all funding sources (RDT&E, procurement, O&M, training, etc.).

1.1.B Guidance for Military Department Data Collection

The Military Departments will use the T&E facility/capability definitions included within this data call package. In your descriptions of facility technical capabilities include programmed investments/upgrades in Military Department or Defense Agency 1995 Future Years Defense Plan (FY95 FYDP) in support of the President's Budget (PB95). When calculating capacity data, use the guidelines/definitions included in this package.

Data will be collected on all facilities/capabilities that are within the scope defined in section 1.1.A. Data will be collected using Appendix A, Data Forms and Instructions

1.1.C Guidance for Military Department Data Analysis

The Military Departments will use the 95 FYDP as the baseline to calculate costs and savings. Address closure/realignment opportunities at the functional T&E and facility levels. Retain essential technical capabilities for core competencies and technologies. Consider consolidation of subfunctions such as centralized maintenance of common platforms, instrumentation, data processing. Consider retention of difficult-to-replace essential geographic assets (e.g. airspace, ground/terrain, climates, seaports) without regard to "ownership". Recognize adaptability to future technologies. Do not consider environmental cleanup costs/difficulties for closure or downsizing a facility/capability.

1.2 ASSUMPTIONS

Cross-service analyses will use the following assumptions:

1.2.A T&E workload is not a direct function of force structure, but is related to the RDT&E budget and acquisition funding.

1.2.B The FYDP is considered certified data. Information from non-DoD activities will not be used as a basis for analyses.

1.2.C At least one test facility/capability will be required to address any technology in use or nearing maturation. Geographic assets (airspace, ground space, sea space, terrain, climate, physical security) must be adequate. Closure or realignments of laboratories, maintenance depots, and training activities could necessitate consolidation with T&E facilities/capabilities.

1.2.D Evaluation of developing technologies and systems will follow a process that involves a progression of test facilities/capabilities ranging from modeling and simulation, measurements, through hardware-in-the-loop, system integration laboratories, installed-systems, to open air/range testing.

1.2.E Potential for internetting facilities/capabilities can be considered in workload projections if investments to provide internetting capability are programmed.

1.2.F With regard to outsourcing, it will be assumed that work currently performed in-house will remain in-house and that work currently outsourced will remain outsourced.

1.2.G With regard to foreign military sales (FMS), it will be assumed that the FMS workload will continue at FY93 levels into the future (straight-lined).

1.3 FUNCTIONAL AREAS

Three functional areas of T&E facilities/capabilities were selected for specific emphasis during cross-service analyses following analysis of the T&E Reliance study areas. These three areas -- air vehicles, electronic combat, and armament/weapons -- show the greatest potential for cross-service consolidation opportunities; others are predominately or nearly Military Department unique.

Over-arching measures of merit have been developed that are applicable to many T&E facilities/capabilities across the three functional areas. These measures generally relate to the overall demographics of the facility/capability at an installation and are important to evaluating a facility/capability for: overall condition; potential to support current or future contingency, mobilization and future missions; additional workload; and overall Mission Essentiality. Additional data specific to the three functional areas will also be collected. For the purpose of this data collection, the three functional areas are defined as follows:

1.3.A Air Vehicles

This functional area includes facilities involved in the testing of all air vehicles/subsystems/components whether fixed wing or rotary wing and test of major sub-systems (e.g., avionics, engines, and sensors). This includes flight testing and the testing involving pre- and post-flight preparation and processing of the air vehicle. Unmanned air vehicles and cruise missiles are included.

1.3.B Electronic Combat (EC) Systems

This functional area includes facilities involved in the testing of stand-alone electronic combat systems and electronic combat subsystems that are normally integrated into other weapon systems. It includes the testing of systems or subsystems that have as their primary mission threat warning, testing of systems that provide countermeasures in the RF (radio frequency) spectrum against radars and other RF sensors, systems that provide countermeasures that are used against sensors in the electro-optical or infrared spectrum as well as testing of electronic and C3 countermeasures.

1.3.C Armaments / Weapons

This functional area includes facilities involved in the testing of the weapons portion of a weapon system. In those cases where the weapon system is composed almost exclusively of the weapon, it may include system-level and platform integration testing. In other cases, it addresses just the weapon subsystem (e.g., guidance and control, propulsion, warheads, and airframe), while the testing of the weapon system's vehicle is in another functional area.

SECTION 2: CAPACITY & TECHNICAL RESOURCES

Use the forms and accompanying instructions in appendix A to provide answers for this section.

2.1 WORKLOAD

Annual workload will be reported in units as follows: for open air ranges involving flight testing, report test hours and missions. For all other T&E facilities direct labor hours and test hours must be reported; if available, missions must be reported. If an estimation of test hours based on direct labor hours is necessary, refer to the instructions for Determination of Unconstrained Capacity on page 28.

2.1.A Historical Workload

-2.1.A.1 What amount of workload have you performed each year from FY86-93? Use the Historical Workload Form provided in Appendix A of this package.

2.1.B Forecasted Workload

-2.1.B.1 Identify all appropriations (by program element) that generated a requirement for testing or test support, or are expected to generate a requirement for testing/test support in your Military Department (by functional areas of air vehicles, electronic combat (EC), armament/ weapons, and other test) for FY92, FY93, and each year in the FY95 FYDP. The Military Departments will provide total funding amounts appropriated for all PEs identified in each functional area shown above.

Functional Area	Appropriation	FY92 Total \$ K	FY93 Total \$ K	FY94 Total \$ K	FY95 Total \$ K	FY96 Total \$ K	FY97 Total \$ K	FY98 Total \$ K	FY99 Total \$ K
Air Vehicles									
	63214N	\$11	\$11	\$11	\$11	\$11	\$0	\$0	\$0
	64261N	\$22	\$22	\$22	\$22	\$22	\$37	\$37	\$37
	OPN	\$22	\$22	\$22	\$22	\$22	\$0	\$0	\$0

-2.1.B.2 What amount of test work was performed at your facility (in workyears by functional areas of air vehicles, electronic combat, armament/weapons, other tests, and other) in FY92 & FY93?

Air Vehicles

FY92: 0.62 wy

FY93: 0.25 wy

-2.2.A Unconstrained capacity is the maximum capacity of this facility, assuming manpower and consumable supplies (excluding utilities) are unlimited, but allowing for expected downtime (maintenance, weather, darkness (daylight), holidays, etc.). Provide your response by filling out the Determination of Unconstrained Capacity Form in accordance with the instructions in Appendix A.

N/A

-2.2.B Is this capacity limited by the physical characteristics of the facility itself, safety or health considerations, commercial utility availability, etc? The facility is limited by the fact that the quarry is a fixed facility in shape and volume.

No

2.3 TECHNICAL RESOURCES

-2.3.A Does the facility have a specified war-time or contingency role established in approved war plans? Yes/no.

No

-2.3.B Does the facility provide a T&E product or service, without which irreparable harm would be imposed on the test mission of the host installation? **No**

-2.3.B.1 On the test mission of any other activity? **No**

-2.3.B.2 On any other mission deemed critical to the operational effectiveness of the armed forces of the United States?

It provides support to the testing of acoustic sensing devices, vital to the ASW mission of the Navy.

SECTION 3: MEASURES OF MERIT

This section relates the measures of merit and the required data to the four criteria that have been established for Military Value. The four military value (MV) criteria are:

CRITERION 1: The current and future mission requirements and the impact on operational readiness of the Department of Defense's total force.

CRITERION 2: The availability and condition of land, facilities and associated airspace at both the existing and potential receiving locations.

CRITERION 3: The ability to accommodate contingency, mobilization, and future total force requirements at both the existing and potential receiving locations.

CRITERION 4: The cost and manpower implications.

3.1 OVER-ARCHING MEASURES OF MERIT

The over-arching measures of merit are listed with accompanying questions (or data requirements) intended to elicit standard information upon which the cross-service analyses can be based, and on which the Joint Cross-Service Groups can base their reviews of the Military Department analyses. Additional specific measures of merit are shown under individual functional areas. The numbers in parentheses () before each measure of merit indicate the BRAC selection criteria for military value.

3.1.A. Interconnectivity (MV I) - Measure of Merit: *Extent of linkage of this facility with other facilities and assessment of single-node failure potential.*

-3.1.A.1 What percentage of total test workload in FY93 involved the real-time or near real time exchange of data or control with another facility? List the facilities you interconnect to for test and identify how many are simultaneous activities. Identify these as to whether they are internal and external to the site. **None**

-3.1.A.2 If your facility were to be closed, would there be an impact on other facilities to which you are connected? Yes/no. If yes, explain.

Minimal. NAWC Warminster is relocating to Pax River shortly and will no longer be in close proximity to this facility. Much of the function could be performed by the NUWC Seneca Lake facility.

3.1.B Facility Condition (MV II) - Measure of merit: *Current and planned status of the T&E facilities for supporting assigned test missions.* Fill out the Facility Condition Form in Appendix A in accordance with the instructions.

3.1.C Environmental and Encroachment Carrying Capacity (MV II) - Measure of Merit: *Extent of current and future potential environmental and encroachment impacts on air, land, and sea space for testing.*

- **3.1.C.1** Do you have limiting (current or future) environmental and/or encroachment characteristics associated with the installation/facility?

Yes/no. If yes, explain.

The Quarry is a fixed shape and volume facility. The nature of the facility limits its future physical expansion.

- **3.1.C.2** How much could workload be increased before this limit would be reached? Express your answer as a percentage of your current workload.

Current utilization is only 20%. This could be increased 500% before problems would occur.

- **3.1.C.3** Do you currently operate under temporary permits of an environmental nature, or voluntary agreements (including treaties) of any sort that deal with the environment? If so, when do they expire? Please describe. **No**

- **3.1.C.4** What is the total population within a 50 mile radius? 100 mile radius? 150 mile radius? 200 mile radius?

Unknown. The facility is located approximately 9 miles northwest of the Philadelphia city limits.

- **3.1.C.5** Identify the commercial air/land/sea traffic routes, public use of air/land/sea space, and frequency of use for each that affects or could affect mission accomplishment in your air, land, or sea space. N/A

- **3.1.C.5.A** How many test missions per year are canceled due to commercial or public use? N/A

- **3.1.C.6** What is the number of test missions that have been canceled due to encroachment in each of the last two years?
None

3.1.D Specialized Test Support Facilities and Targets (MV I) - Measure of Merit: *Extent to which specialized test support facilities and targets are available.*

-3.1.D.1 Do you have specialized facilities are required to support you in conducting your test operations at your facility (e.g. Aerial delivery load build-up facilities; parachute drying towers/packing facilities; paratroop support facilities; specialized fuel storage and delivery systems; mission planning facilities; corrosion control, painting, washing facilities; and specialized maintenance facilities such as avionics intermediate shops)? Yes/no. If yes, please describe.

The facility provides a controlled underwater quiet environment. Equipment includes a 100 ft. tow rail, acoustic facility gantries, a floating test facility with a modular building, standard test equipment as well as an observation tower.

-3.1.D.2 Are specialized targets required to support this facility? Yes/no. If yes, explain. **No**

-3.1.D.2.A Have the specialized targets been validated? Yes/no. If yes, by whom?

N/A

3.1.E Expandability (MV III) - Measure of Merit: *Extent to which an installation/facility is able to expand to accommodate additional workload or new missions.*

-3.1.E.1 Other than the expandability inherent in unconstrained capacity, discussed earlier, are there any special aspects of this facility that enhance its ability to expand output within each T&E functional area? Yes/no. If yes, explain. **No**

-3.1.E.1.A Can you accept new T&E workload different from what you are currently performing? Yes/no. If yes, identify by T&E functional area and test type.

Yes, could possibly accept Hardware in the Loop testing.

-3.1.E.2 Are airspace, land, and water areas--adjacent to areas under DoD control--available and/or suited for physical expansion to support new missions or increased footprints? Yes/no. If yes, please explain. **No**

-3.1.E.3 Is the facility equipped to support secure operations? Yes/no. If yes, to what level of classification (Confidential, Secret, Top Secret, Special Access Required)? **Yes, Secret.**

-3.1.E.4 Are there any capital improvements underway or programmed in the 95 FYDP, that would change your capacity/capability? Yes/no. If yes, explain. **No.**

3.1.F Uniqueness (MV I) - Measure of Merit: *Extent to which the facility is one-of-a kind.*

-3.1.F.1 Is this a one-of-a-kind facility within the DoD? Yes/no. If yes, describe. **No**

-3.1.F.1.A Within the US Government? Yes/no. If yes, describe. **No.**

-3.1.F.1.B Within the US? Yes/no. If yes, describe. **No.**

-3.1.F.2 Are you currently providing support to DoD users outside your Military Department? Yes/no. If yes, indicate percentage of total workload in FY92 and FY93 by Military Department. **No**

3.1.G Available Air, Land, and Sea Space (MV II) -
Measure of Merit: *Extent to which controlled test ranges satisfy weapon system test requirements.*

-3.1.G.1 How many square miles of air, land, and sea space are available to support test operations? **N/A**

-3.1.G.2 Who owns and or controls the land under the restricted airspace you use? **N/A**

-3.1.G.3 How much of this is Restricted Airspace, and what altitude limits are associated with the restricted areas? **N/A**

-3.1.G.4 Do you have special use airspace other than supersonic airspace? Yes/no. If yes, for what types of test (e.g. terrain following radar)? Dimensions? Will it support simultaneous users? Yes/no. **N/A**

-3.1.G.5 Is the airspace over land or water? List the number of square miles over each. **N/A**

-3.1.G.6 Identify known or projected airspace problems that may prevent accomplishing your mission. **N/A**

-3.1.G.7 What is the maximum straight line segment in your airspace in nautical miles? **N/A**

-3.1.G.8 What public airspace have you used for overflight of weapons systems in the past? What was the nature of those tests? Do you anticipate being able to use that same public airspace for similar tests in the future? Yes/no. **N/A**

3.1.H Geographic/Climatological Features (MV II) -
 Measure of Merit: *Extent to which types of climatic/geographic conditions represent world-wide operational conditions.*

-3.1.H.1 Describe the topography and ground cover/vegetation within your test airspace (include nap-of-the-earth capability). Identify all of the following that apply: mountains, forest/jungle, cultivated lowland, swamp/riverine, desert, and sea. State the area of each in square miles.

The facility consists of a 65 ft. deep quarry, approximately 900 ft. long by 360 ft. wide, filled with water and situated on 14.7 undeveloped acres of flat land.

-3.1.H.2 Are there features of the local geology or soil conditions that enhance or inhibit any types of test?

Yes, the nature of the quarry provides a controlled, quiet, underwater testing environment.

-3.1.H.3 Did you have to go to other geographical locations to satisfy test requirements? Yes/no and explain. If yes, provide as a percent of overall workload forear for the past 8 years. **No.**

-3.1.H.4 What is the number of days per year the average temperature is below 32 degrees F? Between 32 and 95 degrees? Above 95 degrees?

Approximately 45 days below 32 degrees, 320 between 32 and 95 degrees.

-3.1.H.5 What is the number of days per year the average relative humidity is below 30%? Between 30 and 80%? Above 80%? **Unknown**

-3.1.H.6 What is the number of test missions per year (1985 - 1993) canceled due to weather? **None.**

-3.1.H.7 What is the number of test days per year (1985 - 1993) canceled due to weather? **None.**

-3.1.H.8 What is the number of days per year the visibility is less than 1 mile? Between 1 and 3 miles? Greater than 3 miles? **N/A**

-3.1.H.9 What is the average number of flying days available per year for flight test? Provide historical average from the past eight years. **N/A**

-3.1.H.10 What percentage of the time are your test operations restricted due to weather? **11-12%**

3.2 AIR VEHICLES

This functional area includes facilities involved in the testing of all air vehicles/subsystems/components whether fixed wing or rotary wing and test of major subsystems (e.g., avionics, engines, and sensors). This includes flight testing and the testing involving pre- and post-flight preparation and processing of the air vehicle. Unmanned air vehicles and cruise missiles are included.

3.2.A Supersonic Airspace (MV II) - Measure of Merit:
Extent of range size to support weapon system requirements.

-3.2.A.1 Do supersonic corridors or areas exist? Yes/no.

N/A The facility provides a controlled environment for the testing of sonobuoys.

-3.2.A.2 Where are they located relative to your airfield?

N/A

-3.2.A.3 At what altitude (upper and lower altitude)?

N/A

-3.2.A.4 Over land or water? What size and shape (length and width)? **N/A**

-3.2.A.5 Are there restrictions you must observe to use this space? Yes/no. If yes, explain. **N/A**

-3.2.A.6 What is the maximum number of simultaneous users?

N/A

-3.2.B Airfield and Facility Characteristics (MV II) -
 Measure of Merit: *Extent of air vehicle infrastructure to support T&E operations.*

-3.2.B.1 Provide a brief description of your airfield and support facilities, to include the following: number and azimuth of runways, elevation, runway length (excluding overrun), overrun length, terminal and/or landing aids, arresting cable (yes/no, type), ramp area (in square feet), construction material (runway and ramps), load capability, and hangar space. **N/A**

-3.2.B.2 How close and how many emergency runways or airfields are in your area of operation? **N/A**

-3.2.B.3 Where is your airfield situated relative to working areas (airspace) for supporting test operations? N/A

-3.2.B.4 What makes your airfield unique or at least suited for supporting test operations? N/A

-3.2.B.5 Is there a size, weight, maintenance or mission limitation that would affect test operations? If so, describe the limitation(s). N/A

-3.2.B.6 Including hangers and ramp space, how many fighter size aircraft could you support? Large multi-engine aircraft? Rotary wing? UAV? Cruise missiles? N/A

-3.2.C Test Operations (MV II) - Measure of Merit: *Extent of T&E operations that the airspace can accommodate.* N/A

-3.2.C.1 What types of air vehicle testing (fixed wing, rotary wing, unmanned vehicles, and cruise missiles) can be supported? (e.g. performance, handling qualities, fatigue life, static, wheels and brakes, physical integration with external stores or avionics) N/A

-3.2.C.2 Do ground support facilities exist for pre-flight checkout or rehearsal of test missions? N/A

-3.2.C.3 What kinds, numbers of aircraft and mix can be supported (manned and unmanned)? N/A

-3.2.C.4 Does UAV and or rotary wing operations pose any limitation on other types of missions? If yes, explain. N/A

-3.2.C.5 What sorts of missions (e.g. air-to-air, air-to-ground and refueling) can be flown within local airspace? N/A

-3.2.C.6 What is the maximum number of simultaneous missions you can support that require telemetry? N/A

-3.2.C.7 What is the largest number of simultaneous test missions you have supported in your airspace? **N/A**

-3.2.C.8 Identify the number, types, and owners of aircraft at your installation. **N/A**

3.3 ELECTRONIC COMBAT

This functional area includes facilities involved in the testing of stand-alone electronic combat systems and electronic combat subsystems that are normally integrated into other weapon systems. It includes the testing of systems or subsystems that have as their primary mission threat warning, testing of systems that provide countermeasures in the RF (radio frequency) spectrum against radars and other RF sensors, systems that provide countermeasures that are used against sensors in the electro-optical or infrared spectrum as well as testing of electronic and C3 countermeasures.

3.3.A Threat Environment (MV I) - Measure of Merit:
Extent to which the capability satisfies weapon system requirements.

-3.3.A.1 What is the number of threats simulated? **N/A**

-3.3.A.2 How many simultaneous threats can be simulated? What type (e.g. AI, AAA, SAM)? What is maximum signal density? Average density? What power level? What band? Radiated or injected? **N/A**

-3.3.A.3 Are the threat software models and simulators (software/hardware) validated? Yes/no. If yes, by whom?
N/A

-3.3.A.4 Do you conduct open loop testing? Reactive? Closed loop? Yes/no for each. **N/A**

-3.3.A.5 What is the threat representation (fidelity) and density? N/A

-3.3.A.6 Are you capable of simulating land threats? Sea threats? Combined land/sea threats? Yes/no. If yes, describe. N/A

-3.3.A.7 What geographic dispersion can be simulated? N/A

-3.3.A.7.A Threat lay down? N/A

-3.3.A.7.B Representative distance? N/A

-3.3.A.8 Are the threats moveable (i.e.dynamic) within a test scenario? relocatable to new scenarios? yes/no N/A

-3.3.A.9 Is the facility interlinked with off-site threats? Yes/no. If yes, how are you linked? N/A

-3.3.A.10 Is there a limit on simultaneous users? Yes/no. If no, explain. N/A

3.3.B Test Article Support (MV II) - Measure of Merit:
Extent to which test support satisfies weapon system test requirements.

-3.3.B.1 Is there a size, weight, or other limitation on test operations the facility can support? Yes/no. If so, identify the limits and measures to remove them.

N/A.

-3.3.B.2 What is the number of simultaneous countermeasures that can be evaluated? N/A

-3.3.B.3 What range of spectra can be tested and evaluated?

N/A

-3.3.B.4 What are the available spectra? N/A

-3.3.B.5 Do you have a scene generation capability? Yes/no. If yes, describe. N/A

3.4 ARMAMENTS / WEAPONS

This functional area includes facilities involved in the testing of the weapons portion of a weapon system. In those cases where the weapon system is composed almost exclusively of the weapon, it may include system-level and platform integration testing. In other cases, it addresses just the weapon subsystem (e.g., guidance and control, propulsion, warheads, and airframe), while the testing of the weapon system's vehicle is in another functional area:

3.4.A Directed Energy (MV II) - Measure of Merit: *Extent to which the facility satisfies directed energy weapon system test requirements.*

This includes testing of all types of directed energy weapons.

-3.4.A.1 Do you currently test directed energy weapon systems? NO

If yes, explain. Describe the power source(s) you have available. What is your maximum downrange distance?

3.4.B Rocket / Missile / Bomb Systems (MV II) - Measure of Merit: *Extent capability satisfies weapon system test requirements.*

This includes the testing of all types of rocket, missile, and bomb systems at the system/subsystem/component level, both

stand alone and integrated into the launch platform. This includes testing of air-to-air, air-to-surface, and surface-to-air missiles.

-3.4.B.1 Ground Space

-3.4.B.1.A What is the area in square miles of the land and water space which you can use to conduct tests of live rocket, missile, or bomb systems? **N/A This facility is only used to test Sonobuoys.**

-3.4.B.1.B How many separate and distinct land and water test areas are available to conduct tests of live weapons? List them and the size of each in acres. **N/A**

-3.4.B.1.C What are the maximum ranges (nautical miles) you can test, by type weapon? **N/A**

3.4.B.2 Test Operations

-3.4.B.2.A For each of your land and water ranges, how many test missions were scheduled in FY92 and FY93 that were required to use safety footprints comparable to those required for the following types of weapons:

--Unguided 2000 pound-class ballistic weapon

---live?

---inert?

--Guided weapon (e.g., GBU-24 class)

---live?

---inert?

--Stand-off weapon (e.g., AGM-130 class)

---live?

---inert?

--Short-range missile (e.g., AIM-9)

---below 5000 feet MSL

---between 5000 and 20,000 feet MSL

---above 20,000 feet MSL

- Long-range missile (e.g., AIM-120)
 - below 5000 feet MSL
 - between 5000 and 20,000 feet MSL
 - above 20,000 feet MSL

N/A

-3.4.B.2.B Were flight termination systems required? Yes/no.
N/A

-3.4.B.2.C If no missions were scheduled in a category, give the reason(s). N/A

-3.4.B.2.D Were any scheduled missions canceled before the mission, or terminated/aborted during the mission because of encroachments into the safety footprint? Yes/no. If yes, how many per year. N/A

APPENDIX A - DATA FORMS AND INSTRUCTIONS

1. Form, General Information

Facility/Capability: Enter the descriptive title for the facility/capability. Avoid using acronyms and abbreviations unless the title defines the acronym. Example: Guided Weapons Evaluation Facility (GWEF).

Origin date: Enter today's date in the format MM/DD/YY.

Military Department: Allowable entries include "N" for Navy, "A" for Army, and "AF" for Air Force. If the facility/capability is managed by an "Other Government Agency" (e.g. ARPA, DNA, ACC) enter the appropriate Agency name.

Organization/Activity: Enter the name (with acronym) for the field activity. Example: White Sands Missile Range (WSMR).

Location: Enter the location where the facility/capability is physically located (installation, city or other common name).

Unit Identification Code (UIC): Enter the UIC.

T&E Functional Area: Enter the single area this facility/capability primarily supports: Air Vehicles, Armament/Weapons, Electronic Combat, or Other.

T&E Test Facility Category: Enter the facility category based on the following definitions:

(1) Digital Models and Computer Simulations (DMS)- Those models and simulations which either provide a simulated test environment or representations of systems, components, and platforms. DMSs are used throughout the development and test process, as analytical tools, as well as tools to drive or control electronic and other environmental stimuli provided, the test articles on Open Air Ranges (OARs), Installed Systems Test Facilities (ISTFs), Hardware in the Loop Test Facilities (HITLs), Integration Laboratories (ILs), and Measurement Facilities (MFs).

(2) Measurement Facilities (MF)- Those facilities used to provide a specialized test environment and/or data collection capability. MFs may be ground based laboratories or open air facilities (often located at or part of OARs).

(3) Integration Laboratories (IL)- Those facilities designed to support the integration and test of various systems and components that will be installed in a host platform. ILs are generally platform specific or unique. However, the simulated stimuli and data collection capabilities required by ILs are often common with those required by HITLS and ISTFs.

(4) Hardware-In-The-Loop (HITL)- Those facilities which provide capabilities to test systems or their components at various stages of development (e.g., brassboard, breadboard, prototype, preproduction, production). HITLs provide stimuli and data collection capabilities to permit test and evaluation of a system/component independent of the host platform.

(5) Installed Systems Test Facilities (ISTF)- Ground based test facilities (usually chambers) that allow test of systems and weapons as installed in the combat platform. ISTFs provide

simulated test environments and stimuli and data collection capabilities for the test article(s).

(6) Open Air Ranges (OAR)- Those facilities which consist of controlled or restricted areas to support the test of platforms/systems in a real world, dynamic environment. They are instrumented with data collection, time-space-position information, positive control of test participants, and real or simulated targets and threats as appropriate.

Percentage Use: Enter percentage of time, based on hours, the facility is used to support each of the following (total must sum to 100%):

(1) Test and Evaluation (T&E)- Any facility that is accountable to Military Department and/or OSD T&E management oversight. Operation and sustainment of these facilities are typically funded from 6.5 or procurement program elements. Facilities in this category were developed to support developmental and/or operational test and evaluation and focus on the evaluation of system safety, technical performance, environmental (climatic, electromagnetic, etc.) effects, sustainability and operational suitability, maturity of production processes, and compliance with system specifications and quality standards.

(2) Science & Technology (S&T)- Any facility that is accountable to Military Department and/or OSD S&T management oversight. Operation and sustainment of these facilities are typically funded from 6.1, 6.2, and 6.3a program elements. Facilities in this category were developed to support experimental studies leading to enhanced understanding of new phenomena for new military applications as well as efforts directed toward the solution of problems in the physical, behavioral, and social sciences.

(3) Developmental Engineering (DE)- Any facility that is accountable to Military Department and/or OSD Research, Development and Engineering or acquisition management oversight. Operation and sustainment of these facilities are typically funded from 6.3b through 6.4 or procurement program elements. Facilities in this category were developed to support proof-of-principle and engineering development of systems.

(4) In-Service Engineering (IE)- Any facility that is accountable to Military Department and/or OSD logistics management oversight. Operation and sustainment of these facilities are typically funded from 6.7 or Operations and Maintenance (O&M) program elements. Facilities in this category were developed to support the maintenance facilities. These facilities tend to be system peculiar capabilities to conduct checkouts of the system/subsystems after they have undergone a modification, upgrade or improvement.

(5) Training and Doctrine (T&D)- Any facility that is accountable to Military Department and/or OSD training and doctrine management oversight. Operation and sustainment of these facilities are typically funded from O&M program elements. Facilities in this category were developed to support the training and proficiency of operational forces and/or the development of new tactics, doctrine or force structure concepts.

(6) Other - Any work outside the above.

Breakout by T&E Functional Area: For each of the above categories (T&E, S&T, DE, IE, T&D, Other) enter percentage of time facility is used to support Air Vehicles, Armament/Weapons, Electronic Combat, or Other. Total of breakout areas must sum to top line percentage.

2. Form, Technical Information

Facility Description: Enter a brief description of the facility, including the mission statement.

Interconnectivity/Multi-Use of Facility: Describe any linking/interconnectivity with other T&E facilities. Include physical and/or data linkages (bandwidth, data rate, etc.). Describe any unique characteristics or multiple use of the resource (e.g., operating by rotating crew, availability of resource dependent on ..., equipment will be obsolete by ..., etc.)

Type Tests Supported: Enter specific types of tests accomplished by the Facility (e.g., electromagnetic compatibility, radar cross section, missile miss distance, air-to-air radar simulation, etc).

Summary of Technical Capabilities: Describe technical capabilities at your facility to include:

Instrumentation/Assets: Enter instrumentation and other assets (e.g., jammers, target generators, recording equipment, computer support equipment) associated with the resource.

Provide fact sheets, not to exceed two pages.

Keywords: Enter any keywords (spelled-out with acronyms) associated with functions and capabilities of the facility (e.g., electromagnetic interference/electromagnetic compatibility (EMI/EMC), anechoic chamber, radar cross section (RCS)).

3. Form, Additional Information

Additional Information Form. Enter facility name. Provide personnel numbers for FY93, FY94, and each year in the FY95 FYDP broken out according to officers, enlisted, civilians and contractors. Enter total area square footage of indoor space, test

area square footage of indoor space used for T&E purposes, and list office space square footage separately. Tonnage of equipment is the weight of all equipment associated with this facility.

Volume of equipment is the volume of all equipment associated with this facility. Annual maintenance cost is self explanatory. Moving costs are estimates for packing equipment at the losing site and reassembly, calibration, etc at the receiving site, not including transportation costs. Capital equipment investments are the current improvement and modernization funds as well as any programs funds earmarked for equipment purchase.

4. Form, Facility Condition

Facility/Capability: Enter the descriptive title for the facility/capability.

Age: Indicate the age of the facility/capability as of the date on the General Information Form.

Replacement Value: Enter the replacement value for the facility/capability. Indicate whether this includes the replacement cost for the equipment.

Maintenance and Repair Backlog: Enter the total dollar amount of the backlog for maintenance and repair items.

Date of Last Upgrade: Date of the last major upgrade to the facility.

Nature of Last Upgrade: Describe the purpose and capability increase from the last major upgrade. Indicate the date this upgrade became available for use.

Major Upgrades Programmed: Enter information on each of the major upgrades that are programmed. Indicate the total

programmed amount and provide a summary description of the upgrade.

5. Form, Historical Workload

Use this form to report the workload performed at this facility each year from FY86-93.

Facility/Capability Title: Enter the descriptive title for the facility/capability. Avoid using acronyms and abbreviations unless the title defines the acronym. Example: Guided Weapons Evaluation Facility (GWEF).

T&E Functional Area: For each of these functional areas (Air Vehicles, Armament/Weapons, Electronic Combat, Other Test, and Other), enter direct labor hours, test hours, and/or missions for FY86 through FY93. For open air ranges involving flight testing, report test hours and missions. For all other T&E facilities direct labor hours and test hours must be reported; if available, missions must be reported. If an estimation of test hours based on direct labor hours is necessary, refer to the instructions for Determination of Unconstrained Capacity on page 28.

6. Form, Determination of Unconstrained Capacity

Annual Hours of Downtime, 1: If the facility were required to operate continuously for 24 hours a day, seven days a week, 52 weeks a year, determine the number of hours per day the facility can reasonably operate if it is not constrained by personnel strength? Consider your facilities, equipment, and instrumentation fixed at current levels.

1. Add up the total hours of downtime per year for maintenance, weather, darkness (daylight), holidays, etc. Enter in line 1.

Average Downtime Per Day, 2: Divide line 1 by 365 to get the average downtime per day. Fill in at line 2.

Average Hours Available Per Day, 3: Subtract line 2 from 24 hours to get the average number of hours per day the facility is available for test. Fill in at line 3.

Analyze your historic workload mix to determine the average number and type of tests that have been run simultaneously at your facility. Determine the maximum number of tests that can be run simultaneously if there is no limit to personnel authorizations. Enter the following data from your analysis

Test Types, 4: Enter in column 4 the name of the type of test.

Tests at One Time, 5: List the number of each type of test that can be conducted simultaneously in column 5.

Workload Per Test

Per Facility Hour, 6: List the workload (reported in units as follows: For open air range flight testing, report workload in flight

hours and numbers of missions. For all other test facility categories, including open air range other than flight testing, report workload in direct labor hours) represented by each hour the test is run. Do this at line 6.

From the historic workload analysis, determine the average workload per facility hour represented by the average or "typical" test. In the row titled "TYPICAL", in column 5, enter the number of these "typical" tests that can be run in addition to those already listed above. Enter the workload per "typical" test per facility hour in column 6. To estimate test hours from direct labor hours for the Historic Workload Form, divide the facility workload by this number (the number of direct labor hours per "typical" test per facility hour) and enter in the test hour block on the Historic Workload Form.

Workload Per

Facility Hour, 7: Multiply column 5 by column 6. Enter in column 7. Total column 7.

Unconstrained

Capacity Per Day, 8: Multiply the total from column 7 by line 3 to get the unconstrained capacity per average day. Enter in line 8.

Annual

Unconstrained

Capacity, 9: Multiply line 8 by 365 to get the unconstrained capacity per year for the facility. Enter on line 9.

GENERAL INFORMATION

Facility/Capability Title: NAWCADWAR, NAWC OPEN WATER FACILITY, ORELAND, PA
 Origin Date: JUNE 15, 1994

Service: NAVY	Organization/Activity: NAWCAD	Location: PATUXENT RIVER, MD					
T&E Functional Area: Air Vehicles	UIC = 62269 into 00421						
T&E Test Facility Category							
	<u>T&E</u>	<u>S&T</u>	<u>D&E</u>	<u>IE</u>	<u>T&D</u>	<u>OTHER</u>	=100%
PERCENTAGE USE:		50	50				
BREAKOUT BY T&E FUNCTIONAL AREA (%)							
Air Vehicles		50	50				=100%
Armament/Weapons							
EC							
Other							
Total in Breakout Must Equal "Percentage Use" On First Line							

TECHNICAL INFORMATIONFacility/Capability Title: **NAWCADWAR, NAWC OPEN WATER FACILITY, ORELAND, PA**

Facility Description; Including mission statement:

The ORELAND Quarry Facility primary purpose is to conduct both acoustic and hydromechanical research and development testing of air ASW systems.

The site itself, i.e., a flooded quarry with a water depth of 65 ft., is integral to the facility. The main building is a floating test facility that was a modular prefab erected at the site in the 60's. Among it's assets are a tow rail and acoustic facility gantries, standard test equipment, a launch facility and a observation tower.

The nature of the facility requires that it be located on a substantially large, benign, and acoustically quiet body of water.

Interconnectivity/Multit-Use of T&E Facility:

NONE.

Type of Test Supported:

Acoustic Sensing.

Summary of Technical Capabilities:

Development testing of both passive and active transducers of air deployed ASW acoustic sensor systems. Typical tests include: Passive receive response, passive directive patterns, active transmitting response, active electroacoustic efficiency, active impedance/admittance and active directivity patterns. The facility has the capability of free field measurements are depths of approximately 20 to 40 ft. and in pressure vessels at pressures up to 8000 psi. The facility also has the capability of measuring flow induced noise using the computer controlled 100 ft. tow rail.

The facility's 100 ft. instrumented tow rail is used for measuring the lift and drag forces on sonobuoy components. The data is used to optimize designs, and as part of the demonstration of specification compliance for production sonobuoys. Most sonobuoy production ECO's of hydromechanical systems go through lift/drag testing at the quarry.

Keywords:

Anti-Submarine Warfare (ASW), Acoustic Sensors

ADDITIONAL INFORMATION

PERSONNEL

	FY93	FY94	FY95	FY96	FY97	FY98	FY99
Officer							
Enlisted							
Civilian							
Contractor							
Total							

note: No personnel are permanently assigned to support this facility.

Total Square Footage: 590,800 sq.ft.

Test Area Square Footage: 324,000 sq.ft.

Tonnage of Equipment: 53 tons

Annual Maintenance Cost: N/A

Office Space Square Footage: 12,182 sq.ft.

Volume of Equipment: 6,500 cu.ft.

Estimated Moving Cost: The Quarry is a Fixed Facility

CAPITAL EQUIPMENT INVESTMENT

FY93	FY94	FY95	FY96	FY97	FY98	FY99

note: No capital investments have been made or are planned for this facility.

FACILITY CONDITION

FACILITY/CAPABILITY TITLE: NAWCADWAR, NAWC OPEN WATER FACILITY, ORELAND, PA

AGE: 29 years REPLACEMENT VALUE: \$2.750M

MAINTENANCE AND REPAIR BACKLOG: None

DATE OF LAST UPGRADE: None

NATURE OF LAST UPGRADE: N/A

MAJOR UPGRADES PROGRAMMED NONE

1. UPGRADE TITLE:

TOTAL PROGRAMMED AMOUNT: N/A
SUMMARY DESCRIPTION: N/A

2. UPGRADE TITLE:

TOTAL PROGRAMMED AMOUNT: N/A
SUMMARY DESCRIPTION: N/A

DETERMINATION OF UNCONSTRAINED CAPACITY

FACILITY/CAPABILITY TITLE: **NAWCADWAR, NAWC OPEN WATER FACILITY, ORELAND, PA**

ANNUAL HOURS OF DOWNTIME 1 **438**
 AVERAGE DOWNTIME PER DAY (LINE 1 + 365) 2 **1.2**
 AVERAGE HOURS AVAILABLE PER DAY (24 - LINE 2) 3 **22.8**

TEST TYPES	TESTS AT ONE TIME	WORKLOAD PER TEST PER FACILITY HOUR	WORKLOAD PER FACILITY HOUR	UNCONSTRAINED CAPACITY PER DAY (LINE 3 X TOTAL Σ)
4	5	6	7	8 45.6
ACOUSTIC SENSORS	2	1	2	
				ANNUAL UNCONSTRAINED CAPACITY
				9 16.644
"TYPICAL"				
			TOTAL Σ	

NAWC OWF UIC: 62269

HISTORICAL WORKLOAD

FACILITY/CAPABILITY TITLE: NAWCADWAR, NAWC OPEN WATER FACILITY, ORELAND, PA

T&E FUNCTIONAL AREA		FISCAL YEAR							
		86	87	88	89	90	91	92	93
AIR VEHICLES	DIRECT LABOR								
	TEST HOURS	1750	1750	1750	1750	1750	1094	1094	437
	MISSIONS	43	42	43	43	43	27	28	11
EC	DIRECT LABOR								
	TEST HOURS								
	MISSIONS								
ARMAMENT/WEAPONS	DIRECT LABOR								
	TEST HOURS								
	MISSIONS								
OTHER T&E	DIRECT LABOR								
	TEST HOURS								
	MISSIONS								
OTHER	DIRECT LABOR								
	TEST HOURS								
	MISSIONS								

FOR OFFICIAL USE ONLY
 PREDICISIONAL INFORMATION



NAWC Open Water Facility,
Dreland, PA

DATA CALL 13
NAWCAD
ORELAND

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

NEXT ECHELON LEVEL (if applicable)

BARTON D. STRONG
NAME (Please type or print)
COMMANDER
Title
NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION
Activity

Barton D. Strong
Signature
6 July 1994
Date

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

NEXT ECHELON LEVEL (if applicable)

G. H. STROHSAHL, RADM, USN
NAME (Please type or print)
COMMANDER
Title
NAVAL AIR WARFARE CENTER
Activity

G. H. Strohsahl
Signature
7 July 94
Date

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

MAJOR CLAIMANT LEVEL

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

W. C. Bowes
Signature
18 JUL 94
Date

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

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

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

Title

W. A. Earner
Signature
7/25/84
Date

BRAC-95 CERTIFICATION

DATA CALL 13

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

WILLIAM L. MCCRACKEN
NAME (Please type or print)


Signature

COMMANDING OFFICER
Title

7/6/94
Date

NAVAIRWARCENACDIVWAR
Activity

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

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

Activity Name:	OPEN WATER FACILITY, ORELAND DETACHMENT
UIC:	N62269
Major Claimant:	NAWC AIRCRAFT DIVISION - NAVAIR

General Instructions/Background:

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

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

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

General Instructions/Background (Continued):

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

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

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

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

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

1. Workforce Data

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

Average Appropriated Fund Civilian Salary Rate:	N/A
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*** THERE ARE NO CIVILIAN EMPLOYEES ATTACHED/ASSIGNED TO THE OPEN WATER FACILITY, ORELAND PA.**

Source of Data (1.a. Salary Rate):	N/A
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ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

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

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

***THERE ARE NO EMPLOYEES ATTACHED/ASSIGNED TO THE OPEN WATER FACILITY, ORELAND PA.**

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			
N/A	N/A	N/A	N/A	N/A	N/A	N/A

= 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:

THERE ARE NO EMPLOYEES ATTACHED/ASSIGNED TO THE OPEN WATER FACILITY, ORELAND PA.

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**Source of Data (1.b. 1) & 2) Residence Data): DCPDS & CPDE 04A,
MILITARY ADMINISTRATION**

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)
PHILADELPHIA	PHILADELPHIA	3
ALLENTOWN	LEHIGH	38
READING	BERKS	39
CAMDEN	CAMDEN	13
TRENTON	MERCER	25

**Source of Data (1.c. Metro Areas): TED ANDERER, NAVSES PHILA, PHILADELPHIA
REGION SITE COORDINATOR & LOCAL MAPS**

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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	N/A	N/A
20 - 24 Years	N/A	N/A
25 - 34 Years	N/A	N/A
35 - 44 Years	N/A	N/A
45 - 54 Years	N/A	N/A
55 - 64 Years	N/A	N/A
65 or Older	N/A	N/A
TOTAL	N/A	N/A

THERE ARE NO EMPLOYEES ATTACHED/ASSIGNED TO THE OPEN WATER FACILITY, ORELAND PA.

Source of Data (1.d.) Age Data: N/A
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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	N/A	N/A
9th through 11th Grade	N/A	N/A
12th Grade or High School Equivalency	N/A	N/A
1-3 Years of College	N/A	N/A
4 Years of College (Bachelors Degree)	N/A	N/A
5 or More Years of College (Graduate Work)	N/A	N/A
TOTAL	N/A	N/A

THERE ARE NO EMPLOYEES ATTACHED/ASSIGNED TO THE OPEN WATER FACILITY, ORELAND PA.

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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.)	N/A
Associate Degree	N/A
Bachelor Degree	N/A
Masters Degree	N/A
Doctorate	N/A

THERE ARE NO EMPLOYEES ATTACHED/ASSIGNED TO THE OPEN WATER FACILITY, ORELAND PA.

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Source of Data (1.e.1) and 2) Education Level Data): N/A

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	N/A	N/A
2. Construction (includes facility maintenance and repair)	15-17	N/A	N/A
3. Manufacturing (includes Intermediate and Depot level maintenance)	20-39	N/A	N/A
3a. Fabricated Metal Products (include ordnance, ammo, etc.)	34	N/A	N/A
3b. Aircraft (includes engines and missiles)	3721 et al	N/A	N/A
3c. Ships	3731	N/A	N/A
3d. Other Transportation (includes ground vehicles)	various	N/A	N/A
3e. Other Manufacturing not included in 3a. through 3d.	various	N/A	N/A
Sub-Total 3a. through 3e.	20-39	N/A	N/A
4. Transportation/Communications/Utilities	40-49	N/A	N/A
4a. Railroad Transportation	40	N/A	N/A

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4b. Motor Freight Transportation & Warehousing (includes supply services)	42	N/A	N/A
4c. Water Transportation (includes organizational level maintenance)	44	N/A	N/A
4d. Air Transportation (includes organizational level maintenance)	45	N/A	N/A
4e. Other Transportation Services (includes organizational level maintenance)	47	N/A	N/A
4f. Communications	48	N/A	N/A
4g. Utilities	49	N/A	N/A
Sub-Total 4a. through 4g.	40-49	N/A	N/A
5. Services	70-89	N/A	N/A
5a. Lodging Services	70	N/A	N/A
5b. Personal Services (includes laundry and funeral services)	72	N/A	N/A
5c. Business Services (includes mail, security guards, pest control, photography, janitorial and ADP services)	73	N/A	N/A
5d. Automotive Repair and Services	75	N/A	N/A
5e. Other Misc. Repair Services	76	N/A	N/A
5f. Motion Pictures	78	N/A	N/A
5g. Amusement and Recreation Services	79	N/A	N/A
5h. Health Services	80	N/A	N/A
5i. Legal Services	81	N/A	N/A
5j. Educational Services	82	N/A	N/A
5k. Social Services	83	N/A	N/A
5l. Museums	84	N/A	N/A
5m. Engineering, Accounting, Research & Related Services (includes RDT&E, ISE, etc.)	87	N/A	N/A
5n. Other Misc. Services	89	N/A	N/A

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Sub-Total 5a. through 5n.:	70-89	N/A	N/A
6. Public Administration	91-97	N/A	N/A
6a. Executive and General Government, Except Finance	91	N/A	N/A
6b. Justice, Public Order & Safety (includes police, fire fighting and emergency management)	92	N/A	N/A
6c. Public Finance	93	N/A	N/A
6d. Environmental Quality and Housing Programs	95	N/A	N/A
Sub-Total 6a. through 6d.		N/A	N/A
TOTAL		N/A	N/A

THERE ARE NO EMPLOYEES ATTACHED/ASSIGNED TO THE OPEN WATER FACILITY, ORELAND PA.

Source of Data (1.f.) Classification By Industry Data): N/A
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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	N/A	N/A
2. Professional Specialty	N/A	N/A
2a. Engineers	N/A	N/A
2b. Architects and Surveyors	N/A	N/A
2c. Computer, Mathematical & Operations Research	N/A	N/A
2d. Life Scientists	N/A	N/A
2e. Physical Scientists	N/A	N/A
2f. Lawyers and Judges	N/A	N/A
2g. Social Scientists & Urban Planners	N/A	N/A
2h. Social & Recreation Workers	N/A	N/A
2i. Religious Workers	N/A	N/A
2j. Teachers, Librarians & Counselors	N/A	N/A
2k. Health Diagnosing Practitioners (Doctors)	N/A	N/A
2l. Health Assessment & Treating(Nurses, Therapists, Pharmacists, Nutritionists, etc.)	N/A	N/A
2m. Communications	N/A	N/A
2n. Visual Arts	N/A	N/A

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Sub-Total 2a. through 2n.:	N/A	N/A
3. Technicians and Related Support	N/A	N/A
3a. Health Technologists and Technicians	N/A	N/A
3b. Other Technologists	N/A	N/A
Sub-Total 3a. and 3b.:	N/A	N/A
4. Administrative Support & Clerical	N/A	N/A
5. Services	N/A	N/A
5a. Protective Services (includes guards, firefighters, police)	N/A	N/A
5b. Food Preparation & Service	N/A	N/A
5c. Dental/Medical Assistants/Aides	N/A	N/A
5d. Personal Service & Building & Grounds Services (includes janitorial, grounds maintenance, child care workers)	N/A	N/A
Sub-Total 5a. through 5d.	N/A	N/A
6. Agricultural, Forestry & Fishing	N/A	N/A
7. Mechanics, Installers and Repairers	N/A	N/A
8. Construction Trades	N/A	N/A
9. Production Occupations	N/A	N/A
10. Transportation & Material Moving	N/A	N/A
11. Handlers, Equipment Cleaners, Helpers and Laborers (not included elsewhere)	N/A	N/A
TOTAL	N/A	N/A

THERE ARE NO EMPLOYEES ATTACHED/ASSIGNED TO THE OPEN WATER FACILITY, ORELAND PA.

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ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Source of Data (1.g.) Classification By Occupation Data): N/A

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

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

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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:	N/A
2. Percentage of Military Spouses Who Work Outside of the Home:	N/A
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".	N/A
3a. Employed "On-Base" - Appropriated Fund:	N/A
3b. Employed "On-Base" - Non-Appropriated Fund:	N/A
3c. Employed "Off-Base" - Federal Employment:	N/A
3d. Employed "Off-Base" - Other Than Federal Employment	N/A

THERE ARE NO EMPLOYEES ATTACHED/ASSIGNED TO THE OPEN WATER FACILITY, ORELAND PA.

Source of Data (1.h.) Spouse Employment Data): N/A

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

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

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

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

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

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

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

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

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:	A	A	A
Water Supply	A	A	A
Water Distribution	A	A	A
Energy Supply	A	A	A
Energy Distribution	A	A	A
Wastewater Collection	A	A	A
Wastewater Treatment	A	A	A
Storm Water Collection	A	A	A
Solid Waste Collection and Disposal	A	A	A
Hazardous/Toxic Waste Disposal	A	A	A
Recreational Activities	A	A	A

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

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

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Source of Data (2.a. 1) & 2) - Local Community Table):CODE 01C, DEPUTY HEAD OF TRANSITION TEAM

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

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

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

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

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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):CODE 01C, DEPUTY HEAD OF TRANSITION TEAM

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: **VACANCY RATE IS 5%**

Units for Sale: **UNKNOWN**

Source of Data (3.a. Off-Base Housing: BUCKS COUNTY PLANNING COMMISSION/OFFICE OF ECONOMIC DEVELOPMENT - PER FAMILY HOUSING DIVISION HEAD, CODE 8302

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b. Education.

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

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	
ABINGTON	MONTGOMERY	7	1	1	6281	N/A	16:1	N/A	NO
CHELTENHAM	MONTGOMERY	4	2	1	4200	4700	13:1	13:1	NO
COLONIAL	MONTGOMERY	5	1	1	4028	N/A	14:1	N/A	NO
HATBORO/HORSHAM	MONTGOMERY	5	1	1	3760	5000	16:1	N/A	NO
JENKINTOWN	MONTGOMERY	1	1	1	512	N/A	12:1	N/A	NO
LOWER MERION	MONTGOMERY	5	2	2	5422	7925	12:1	N/A	NO
LOWR MORELAND	MONTGOMERY	2		1	1450	N/A	N/A	N/A	NO
METHACTON	MONTGOMERY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO
NORRISTOWN	MONTGOMERY	7	3	2	6200	N/A	14:1	N/A	NO
NORTH PENN	MONTGOMERY	11	3	1	11000	N/A	15:1	27:1	NO
PERKIOMENT	MONTGOMERY	2	1	1	2685	2685	22:1	22:1	NO
POTTSGROVE	MONTGOMERY	5	1	1	3000	N/A	17:1	N/A	NO
SOUDERTON	MONTGOMERY	6	2	1	5283	7800	16:1	28:1	NO
SPRINGFIELD	MONTGOMERY	2	1	1	1793	N/A	14:1	N/A	NO
SPRING-FORD	MONTGOMERY	5	1	1	3900	N/A	17:1	N/A	NO
UPPER DUBLIN	MONTGOMERY	3	1	1	3645	N/A	17:1	N/A	NO
UPPER MORELAND	MONTGOMERY	2	1	1	2981	N/A	15:1	N/A	NO
UPPER MERION	MONTGOMERY	4	1	1	3200	4400	13:1	14:1	NO
UPPER PERKIOMEN	MONTGOMERY	2	1	1	3400	3600	19:1	26:1	NO
WISSAHICKON	MONTGOMERY	4	1	1	3723	N/A	14:1	N/A	NO

NOTE: N/A (NOT APPLICABLE) INDICATES DISTRICT DOES NOT HAVE MAXIMUM PUPIL TO TEACHER RATIO. THESE SCHOOL DISTRICTS HAVE BEEN PROVIDED BECAUSE THE OPEN WATER FACILITY IS IN MONTGOMERY COUNTY. THERE ARE NO EMPLOYEES ATTACHED/ASSIGNED TO THE OPEN WATER FACILITY, ORELAND PA.

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

Source of Data (3.b.1) Education Table): TED ANDERER, NAVSES PHILA, PHILADELPHIA REGION SITE COORDINATOR

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

NO

Source of Data (3.b.2) On-Base Schools): FAMILY HOUSING OFFICE, CODE 8302

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

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 :

**BUCKS COUNTY COMMUNITY COLLEGE
MONTGOMERY COUNTY COMMUNITY COLLEGE
BEAVER COLLEGE
GWYNEDD MERCY COLLEGE
PENN STATE UNIVERSITY (OGONTZ CAMPUS)
DELAWARE VALLEY COLLEGE OF SCIENCE AND TECHNOLOGY
EASTERN COLLEGE**

Source of Data (3.b.3) Colleges): LOCAL PHONE BOOKS

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:

**LOWER BUCKS AREA VOCATIONAL SCHOOL
MIDDLE BUCKS AREA VOCATIONAL SCHOOL
UPPER BUCKS AREA VOCATIONAL SCHOOL
EASTERN MONTGOMERY COUNTY VOCATIONAL SCHOOL
NORTHERN MONTGOMERY COUNTY VOCATIONAL SCHOOL
CHI INSTITUTE
COMPUTER LEARNING CENTER
LYONS TECHNICAL INSTITUTE
ORLEANS TECHNICAL INSTITUTE
PENNCO TECH**

Source of Data (3.b.4) Vo-tech Training): LOCAL PHONE BOOKS

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

c. Transportation.

1) Is the activity served by public transportation?

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

**Source of Data (3.c.1) Transportation): CODE 01C, DEPUTY HEAD OF TRANSITION
PLANNING TEAM**

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.

PHILADELPHIA 30TH STREET STATION - APPROXIMATELY, 12 MILES

**Source of Data (3.c.2) Transportation): CODE 01C, DEPUTY HEAD OF TRANSITION
PLANNING TEAM & LOCAL MAP**

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.

PHILADELPHIA INTERNATIONAL AIRPORT - 18 MILES

**Source of Data (3.c.3) Transportation): CODE 01C, DEPUTY HEAD OF TRANSITION
PLANNING TEAM & LOCAL MAP**

4) How many carriers are available at this airport?

NINE

Source of Data (3.c.4) Transportation): SATO TRANSPORTATION OFFICE

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

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

**NEAREST INTERSTATE HIGHWAY (I-95) IS LOCATED
APPROXIMATELY 10 MILES TO THE SOUTHEAST**

Source of Data (3.c.5) Transportation): LOCAL MAPS

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.)

**ACCESS TO THE BASE IS VIA PENNSYLVANIA AVE IN
ORELAND. THE FACILITY HAS ONLY ONE GATE AND TRAFFIC
IS MODERATE DURING ALL HOURS.**

b) Do access roads transit residential neighborhoods?

NO

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

**YES, THERE IS AN EASEMENT FOR A RAILROAD TRACK
BORDERING THE WEST SIDE OF THE QUARRY.**

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

**SOME TRAFFIC IS FORCED UNDERNEATH A NEARBY
RAILROAD BRIDGE.**

**Source of Data (3.c.6) Transportation): CODE 01C, DEPUTY HEAD OF
TRANSITION PLANNING TEAM**

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

- 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.

YES, THE CENTER HAS AGREEMENTS WITH THE SPRINGFIELD AND ORELAND FIRE COMPANIES. THE EASTERN MONTGOMERY COUNTY HAZARD RESPONSE TEAM PROVIDES RESPONSE FOR HAZMAT INCIDENTS.

Source of Data (3.d. Fire/Hazmat): CAPT. MYERS, NAWCADWAR FIRE DEPARTMENT

- e. **Police Protection.**

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

PROPRIETORIAL (LOCAL AUTHORITIES HAVE JURISDICTION)

- 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.

N/A

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

NO. RELATIONSHIP BASED ON LONG-STANDING MUTUAL CONSENT TO PROVIDE REQUIRED ASSISTANCE.

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

N/A

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

N/A

Source of Data (3.e. 1) - 5) - Police): CLINT HERBERT, CODE 044

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

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.

POWER TO THE OPEN WATER FACILITY IS PROVIDED BY THE LOCAL UTILITY, PECO ENERGY CORPORATION AS PART OF AN AREA WIDE PUBLIC UTILITIES CONTRACT.

SANITARY SEWER SERVICE IS CONTRACTED TO A LOCAL SANITARY SERVICE ON AN AS NEEDED BASIS.

SOLID WASTE REMOVAL IS ACCOMPLISHED THROUGH A FACILITIES SERVICE CONTRACT WITH A LOCAL WASTE HAULER.

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.

THE OPEN WATER FACILITY AS SUBJECT TO POTENTIAL DISRUPTIONS TO UTILITY SERVICE DURING THE SUMMER OF FY93, BUT NONE WERE EXPERIENCED.

Source of Data (3.f. 1) - 3) Utilities):CODE 01C, DEPUTY HEAD OF TRANSITION PLANNING TEAM
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**DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA**

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

Employer	Product/Service	No. of Employees
1. PRUDENTIAL INSURANCE CO.	INSURANCE SERVICES	7675
2. MARTIN MARIETTA CORP.	MANAGEMENT/DATA SYSTEMS	5545
3. MERCK & CO., INC.	HUMAN & ANIMAL HEALTH PRODUCTS	5000
4. SMITH KLINE BEECHAM PHARMACEUTICAL R&D	HEALTH CARE PRODUCTS & CLINICAL RESEARCH	4450
5. MAIN LINE HEALTH CO. HEADQUARTERS	HEALTH CARE SERVICES	3850
6. RHONE-POULENC RORER, INC	HUMAN PHARMACEUTICALS	3000
7. UNISYS CORPORATION HEADQUARTERS	COMPUTER & NETWORK INFO SYSTEMS	2600
8. ABINGTON MEMORIAL HOSPITAL	HOSPITAL HEALTH CARE	2477
9. FORD ELECTRONICS AND REFRIGERATION	ELECTRONIC DEVICES FOR AUTO INDUSTRY	2300
10. GENUARDI SUPERMARKETS	RETAIL SUPERMARKET	2003

THERE ARE NO EMPLOYEES ATTACHED/ASSIGNED TO THE OPEN WATER FACILITY, ORELAND PA. THIS INFORMATION IS SUPPLIED BECAUSE THE FACILITY IS LOCATED IN MONTGOMERY COUNTY, PA.

Source of Data (4. Business Profile): MONTGOMERY COUNTY DEPARTMENT OF COMMERCE AND ECONOMIC PLANNING

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

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

a. Loss of Major Employers:

SACRED HEART HOSPITAL	870 JOBS
STANLEY G. FLAGG & CO.	500 JOBS
ALFRED ANGELO	300 JOBS
RICHARDSON & VICKS	365 JOBS
NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION WARMINSTER (PLANNED RELOCATION OF 1656 EMPLOYEES TO PATUXENT RIVER, MD)	

b. Introduction of New Businesses/Technologies:

RHONE POULENC RORER	2000 JOBS
STERLING DRUG CO.	2000 JOBS
PHILA NEWSPAPER FAC.	1200 JOBS
PROVIDENCE CORPORATE CENTER WETHERILL ASSOCIATES	

c. Natural Disasters: **NONE**

d. Overall Economic Trends: **UNEMPLOYMENT REMAIN BELOW FEDERAL
AND STATE AVERAGES**

**Source of Data (5. Other Socio/Econ): MONTGOMERY COUNTY DEPARTMENT OF
COMMERCE AND ECONOMIC PLANNING**

6. Other. Identify any contributions of your activity to the local community not discussed elsewhere in this response. **NONE**

**Source of Data (6. Other): ASSOCIATE EXECUTIVE DIRECTOR OF NAWCAD,
WARMINSTER**

DATA CALL 65
BRAC-95 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

BARTON D. STRONG
NAME (Please type or print)

Barton D. Strong
Signature

COMMANDER
Title

13 July 1994
Date

NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION PATUXENT RIVER, MD
Activity

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

NEXT ECHELON LEVEL (if applicable)

WILLIAM E. NEWMAN
NAME (Please type or print)

W E Newman
Signature

COMMANDER
Title

7/18/94 - 8/18/94
Date WEN

NAVAL AIR WARFARE CENTER
Activity

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

MAJOR CLAIMANT LEVEL

WILLIAM C. BOWES
NAME (Please type or print)

W C Bowes
Signature

COMMANDER
Title

18 Aug 92
Date

NAVAL AIR SYSTEMS COMMAND
Activity

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

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

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

W A Earner
Signature

Title

8/26/94
Date

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

WILLIAM L. MCCRACKEN
NAME (Please type or print)


Signature

COMMANDING OFFICER
Title
NAVAL AIR WARFARE CENTER
AIRCRAFT DIVISION WARMINSTER
Activity

11 July 1994
Date

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

**OPEN WATER FACILITY
ORELAND, PA**

22 JULY 1994

**UIC 62269
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**BRAC 1995 ENVIRONMENTAL DATA CALL:
All Navy/Marine Corps Host Activities
INDEX**

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ENVIRONMENTAL DATA CALL

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

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

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

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

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

The responses contained herein are based on the following assumptions:

- 1. The “base” or “activity” consists of the 14 acres of the NAWCADWAR Open Water Test Facility in Oreland Pa.**
- 2. There are 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: <i>Haliaeetus leucocephalus</i> - bald eagle	threatened	Federal	25	0
NONE				

Source Citation: Natural Resources Management Plan (August 1991)

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 map provided in Data Call 1, submit this information on an updated version of Data Call 1 map.

1d.

Have any efforts been made to relocate any species and/or conduct any mitigation with regards to critical habitats or endangered/threatened species? Explain what has been done and why.	NO
--	----

Not applicable

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
---	-----------

Not applicable

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?	UNKNOWN
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?	FY95
What percent of the base has been surveyed?	0%
What is the total acreage of jurisdictional wetlands present on your base?	NOT APPLICABLE

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.

Not Applicable.

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.

Not Applicable.

3. CULTURAL RESOURCES

3a.

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

3b.

YES/NO

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.

N/A.

4d.

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

List permit violations and discuss any projects to correct deficiencies.

N/A.

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

Not Applicable.

4f.

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

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

N/A.

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

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.

N/A.

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

Potable water is supplied by bottled water.

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.	

A group stormwater application is currently held by NAWCADWAR. This group application was submitted by Northern Division NAVFACENGCOM for all Navy activities in this region. An individual permit application is being filled out for the NAWCADWAR base.

4l.

YES/NO

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

Explain: **Not applicable.**

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.

Not applicable.

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

No.

5. AIR POLLUTION

5a.

What is the name of the Air Quality Control Areas (AQCA) in which the base is located? SOUTHEAST AIR BASIN
Is the installation or any of its OLFs or non-contiguous base properties located in different AQCA's? NO . List site, location and name of AQCA.

5b. For each parcel in a separate AQCA fill in the following table. Identify with 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: **Open Water Facility, Oreland PA**

AQCA: **Southeast Air Basin**

Pollutant	Attainment	Non-Attainment	Maintenance	Target Attainment Year ¹	Comments ²
CO	X				
Ozon		X		2005	Severe
PM-10	X				Unclassified
SO₂	X				
NO₂		X		2005	Severe
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.

No attainment is budgeted at this time.

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	N/A	N/A	N/A	N/A
NOx	N/A	N/A	N/A	N/A	N/A
VOC	N/A	N/A	N/A	N/A	N/A
PM10	N/A	N/A	N/A	N/A	N/A

Facility has no stationary sources. Personal automobile use is minimal.

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	N/A	N/A	N/A	N/A
NOx	N/A	N/A	N/A	N/A	N/A
VOC	N/A	N/A	N/A	N/A	N/A
PM10	N/A	N/A	N/A	N/A	N/A

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.

None.

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

The Open Water Facility, Oreland PA is within a severe non-attainment (SOUTHEAST AIR BASIN) area for ozone.

National Parks and Historic Sites within 100 miles of the Open Water Facility, Oreland PA are listed below.

**Delaware National Scenic River
Bushkill, PA 18324**

**Delaware Water Gap National Recreation Area
Bushkill, PA 18324**

**Edgar Allen Poe National Historic Site
Philadelphia, PA 19123**

**Gettysburg National Historic Site
Gettysburg, PA 17325**

**Gettysburg National Military Park
Gettysburg, PA 17325**

**Hopewell Furnace National Historic Site
Elverson, PA 19520**

**Independence National Historic Park
Philadelphia, PA 19106**

**Thaddeus Kosciuszko National Memorial
Philadelphia, PA 19106**

**Upper Delaware Scenic and Recreational River
Narrowsburg, NY 12764**

**Valley Forge National Historic Park
Valley Forge, PA 19481**

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. Is there any potential for getting ERCs?

No.

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 6. For the last two columns provide the combined total for those two FY's.

Program	Survey Completed?	Costs in \$K to correct deficiencies					
		FY94	FY95	FY96	FY97	FY98-99	FY00-01
Air	No	0	0	0	0	0	0
Hazardous Waste	Yes	0	0	0	0	0	0
Safe Drinking Water Act	N/A	0	0	0	0	0	0
PCBs	Yes	0	0	0	0	0	0
Other (non-PCB) Toxic Substance Control Act	N/A	0	0	0	0	0	0
Lead Based Paint	No	0	0	0	0	0	0
Radon	No	0	0	0	0	0	0
Clean Water Act	No	0	0	0	0	0	0
Solid Waste	N/A	0	0	0	0	0	0
Oil Pollution Act	N/A	0	0	0	0	0	0
USTs	N/A	0	0	0	0	0	0
Other	N/A	0	0	0	0	0	0
Total		0	0	0	0	0	0

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

6b.

Does your base have structures containing asbestos? **NO** What % of your base has been surveyed for asbestos? **0%** 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	0	0	0	0	0	0	0	0
HA	0	0	0	0	0	0	0	0
PA	0	0	0	0	0	0	0	0
Other (DBOF)	0	0	0	0	0	0	0	0
TOTAL	0							

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.

Site # or name	Type site ¹	Groundwater Contaminated?	Extends off base?	Drinking Water Source?	Cost to Complet (\$M)/Est. Comp Date	Status ² /Comments
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A

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. If hazardous wastes are generated, it will fall under the Small Quantity Generator exclusion.

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.

Not applicable.

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
Quarry	14	Oreland, PA

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.)		8
Total Undeveloped (areas that are left in their natural state but are under specific environmental development constraints, i.e.: wetlands, endangered species, etc.)		Wetlands: None
		All Others:
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		None
Total Undeveloped land considered to be without development constraints		6
Total Off-base lands held for easements/lease for specific purposes		None
Breakout of undeveloped, restricted areas. Some restricted areas may overlap:	ESQD	None
	HERF	None
	HERP	None
	HERO	None
	AICUZ	None
	Airfield Safety Criteria	None
	Other	N/A

Due to the nature of the site, all 15 acres are considered to be part of the facility.

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.

0 Acres.

8d. What is the date of your last AICUZ update? **N/A. There are no aircraft at this facility.** Are any waivers of airfield safety criteria in effect on your base? **No.** Summarize the conditions of the waivers below.

N/A.

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

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

N/A.

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.	NO
---	----

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.

None.

9. WRAPUP

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

No.

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

No.

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

None.

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

None.

DATA CALL 33
BRAC-95 CERTIFICATION

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

NEXT ECHELON LEVEL (if applicable)

CAPTAIN JOHN B. PATTERSON
NAME (Please type or print)

John B. Patterson
Signature

ACTING COMMANDER
Title

7/26/94
Date

NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION PATUXENT RIVER, MD
Activity

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

NEXT ECHELON LEVEL (if applicable)

for LEWIS L. LUNDBERG
WILLIAM E. NEWMAN
NAME (Please type or print)

Lewis L. Lundberg
Signature

COMMANDER (ACTING)
Title

8/12/94
Date

NAVAL AIR WARFARE CENTER
Activity

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

MAJOR CLAIMANT LEVEL

DONALD V. BOECKER, RADM USN
~~XXXXXXXXXXXXXXXXXXXX~~
NAME (Please type or print)

Donald V. Becker
Signature

COMMANDER (ACTING)
Title

8/15/94
Date

NAVAL AIR SYSTEMS COMMAND
Activity

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

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

J. B. GREENE, JR.

ACTING
NAME (Please type or print)

J. B. Greene, Jr.
Signature

Title

18 AUG 1994
Date

08/12/94 14:24 703 804 1318
08/12/94 10:35 805 989 8829
08/12/94 12:49 703 804 1318

NAWC HQ
NAWCWPNS
NAWC HQ

001
001
001



DEPARTMENT OF THE NAVY
NAVAL AIR WARFARE CENTER
NAVAL AIR WARFARE CENTER HEADQUARTERS
1421 JEFFERSON DAVIS HWY
ARLINGTON VA 22243

IN REPLY REFER TO

1000
11 August 1994

From: Commander, Naval Air Warfare Center
To: Distribution List

Subj: RELEASE OF BASE REALIGNMENT AND CLOSURE DATA CALL IN
THE ABSENCE OF THE COMMANDER

1. During the period 11 August - 17 August I will be on temporary additional duty.

2. Mr. Lewis L. Lundberg, Technical Director, Naval Air Warfare Center, is designated as acting as Commander during this period. As such, he is authorized to release the completed Base Realignment and Closure Data Call#33 and to provide certification for the data call.

W. E. NEWMAN

Distribution List:
COMNAVAIRWARCENWPNDIV
COMNAVAIRWARCENACDIV
NAVAIRWARCENTRGSYS DIV





DEPARTMENT OF THE NAVY
NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION
PATUXENT RIVER, MARYLAND 20670-5304

5400
Ser AD07/1066

JUL 25 1994

From: Commander, Naval Air Warfare Center Aircraft Division,
Patuxent River, MD 20670-5304
To: Commander, Naval Air Warfare Center, 1421 Jefferson Davis
Highway, Arlington, VA 22243-6000
Subj: RELEASE OF BASE REALIGNMENT AND CLOSURE DATA CALL IN THE
ABSENCE OF THE COMMANDER

1. During the period from 0930, 25 July 1994 until 1630, 29 July 1994, I will be on temporary additional duty.
2. Captain J. B. Patterson, USN, will be Acting Commander. In my absence, he is authorized to release the completed Base Realignment and Closure Data Call, and provide the certification for the data call.
3. My point of contact at Division Headquarters is Mr. Stuart B. Simon, Code AD07. He can be reached at commercial (301) 826-1122 or DSN 326-1122.


BARTON D. STRONG

Distribution:
CONAWCAD Indianapolis
CONAVAIRENGSTA Lakehurst
CONAWCAD Warminster
CONAWCAD Trenton
CONAWCTSD Orlando
COMNAWCAD Patuxent River
NAWCAD Patuxent River (CT00)
NAWCAD Indianapolis (Code 01)
NAVAIRENGSTA Lakehurst (Code 71)
NAWCAD Warminster (Code 01A1)
NAWCAD Trenton (Code 07B)
NAWCTSD Orlando (Code 503)
CONAS, Patuxent River

**BRAC DATA CALL 33
BRAC-95 CERTIFICATION**

Reference: SECNAVNOTE 11000 of 08 December 1993

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

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

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

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

ACTIVITY COMMANDER

CAPTAIN WILLIAM L. MCCRACKEN
NAME (Please type or print)


Signature

COMMANDING OFFICER
Title

Date

NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION WARMINSTER
Activity

158

DATA CALL 1: GENERAL INSTALLATION INFORMATION

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

° Name

Official name	Naval Air Warfare Center Aircraft Division, Open Water Facility , Oreland PA
Acronym(s) used in correspondence	NAVAIRWARCENACDIV OWF Oreland
Commonly accepted short title(s)	NAWCADWAR OWF

° Complete Mailing Address

Commander, Naval Air Warfare Center Aircraft Division, Patuxent River MD 20670-5304

° PLAD

NAVAIRWARCENACDIV

° PRIMARY UIC: **62269*** (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): PURPOSE:

2. **PLANT ACCOUNT HOLDER:**

° Yes No * (check one)

NAWCAD Warminster (UIC 62269) is now the Plant Account holder ; however, after BRAC-91 implementation NAWCAD Patuxent River (UIC 00421) will be the Plant Account Holder.

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)

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

_ Yes ___ No X (check one)

- _ Primary Host (current) UIC:
- _ Primary Host (as of 01 Oct 1995) UIC:
- _ Primary Host (as of 01 Oct 2001) UIC:

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

Yes X No ___ (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
Deep Water Test Facility	Oreland Pa	62269

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

Name	UIC	Location	Host name	Host UIC
N/A	N/A	N/A	N/A	N/A

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

Under BRAC 91 the prior Naval Air Development Center, UIC 62269, located at Warminster PA , of which the OWF is a special area, was realigned with mission and functions relocated to Patuxent River MD, UIC 00421.

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

- **Air USW Systems and Sensors**
 - **Specifically Sonobuoy testing.**

Projected Missions for FY 2001

- **Air USW Systems and Sensors**
 - **Specifically Sonobuoy testing.**

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

None

Projected Unique Missions for FY 2001

None

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

Naval Air Warfare Center Aircraft Division 00421

° Funding Source UIC

Naval Air Systems Command MULTIPLE

NAVAIRWARCEN AC DIV OWF is an asset of NAWCADWAR. It is an industrially funded activity operating under DBOF (Defense Base Operations Fund) regulations. Funding is received from multiple sources. Funds however, are co-mingled with those of a larger cost center and are not uniquely identified to this facility.

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

On Board Count as of 01 January 1994

	Officers	Enlisted	Civilian (Appropriated)
° Reporting Command	<u>0</u>	<u>0</u>	<u>0</u>
° Tenants (total)	<u>0</u>	<u>0</u>	<u>0</u>

Authorized Positions as of 30 September 1994

	Officers	Enlisted	Civilian (Appropriated)
° Reporting Command	<u>0</u>	<u>0</u>	<u>0</u>
° Tenants (total)	<u>0</u>	<u>0</u>	<u>0</u>

There are no personnel assigned on a full time basis to this facility

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

<u>Title/Name</u>	<u>Office</u>	<u>Fax</u>	<u>Home</u>
° CO/OIC			
CAPT William McCracken	(215) 441-2235	(215) 441-1955	(215) 672-4649
° Duty Officer			
Warminster Duty Officer	(215) 441- 2259	(215) 441-7652	(N/A)
° Director of Corporate Planning			
Stuart B. Simon	(215) 441-2237	(215) 441-2846	(215) 345-9295
° Associate Technical Director			
Thomas J. Shopple	(215) 441-2037	(215) 441-2846	(215) 794-5128

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
N/A				

◦ Tenants residing on main complex (homeported units.)

Tenant Command Name	UIC	Officer	Enlisted	Civilian
N/A				

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

Tenant Command Name	UIC	Location	Officer	Enlisted	Civilian
N/A					

◦ Tenants (Other than those identified previously)

Tenant Command Name	UIC	Location	Officer	Enlisted	Civilian
N/A					

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

Activity name	Location	Support function (include mechanism such as ISSA, MOU, etc.)
None.		

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

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

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

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

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

N/A

DATA CALL 1
NAWC AIRCRAFT DIVISION
ORELAND, PA

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

NEXT ECHELON LEVEL (if applicable)

BARTON D. STRONG, RADM, USN
NAME (Please type or print)
COMMANDER
Title
NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION
Activity

Barton D. Strong
Signature
28 June 1994
Date

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

NEXT ECHELON LEVEL (if applicable)

G. H. STROHSAHL, RADM, USN
NAME (Please type or print)
COMMANDER
Title
NAVAL AIR WARFARE CENTER
Activity

G. H. Strohsahl
Signature
5 July 94
Date

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

MAJOR CLAIMANT LEVEL

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

W. C. Bowes
Signature
8 JUL 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
14 JUL 1994
Date

BRAC-95 CERTIFICATION

DATA CALL ONE

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

WILLIAM L. MCCRACKEN
NAME (Please type or print)


Signature

COMMANDING OFFICER
Title

7/6/94
Date

NAVAIRWARCENACDIWAR
Activity

158

**CAPACITY ANALYSIS:
DATA CALL #4 WORK SHEET FOR
TECHNICAL CENTER or LABORATORY: NAWCADWAR, NAWC
OPEN WATER FACILITY, ORELAND, PA**

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3.	Class 2 Space Available for Expansion	17
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6.	Ship Berthing Capacity	27
7.	Operational Airfield Capacity	27
8.	Depot Level Maintenance Capacity	27
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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. *****

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 NAWC OPEN WATER FACILITY, ORELAND, PA (UNDER NAWCAD WARMINSTER'S UIC 62269)

(UIC N/A)

Fiscal Year	Total Funds Budgeted (\$K)	Total Funds Received w/o Direct Cite (\$K)	Direct Cite Funds Received (\$K)	Budgeted Wkys	Actual In-House Wkys	Actual Onsite Contract Wkys
86	N/A	N/A	N/A	N/A	N/A	N/A
87						
88						
89						
90						
91						
92						
93						
94						
95						
96						
97						

NOTE: THE ORELAND QUARRY HAS NO FUNDING OR WORKYEARS ASSOCIATED SPECIFICALLY WITH THE FACILITY. THE FACILITY IS ONE SMALL ASSET OF THE NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION, WARMINSTER.

Table 1.2 Historical and Projected Workload for Detachments of NAWC OPEN WATER FACILITY, ORELAND, PA (UNDER NAWCAD WARMINSTER'S UIC 62269)

(UIC N/A)

Fiscal Year	Total Funds Budgeted (\$K)	Total Funds Received w/o Direct Cite (\$K)	Direct Cite Funds Received (\$K)	Budgeted Wkys	Actual In-House Wkys	Actual Onsite Contract Wkys
86	N/A	N/A	N/A	N/A	N/A	N/A
87						
88						
89						
90						
91						
92						
93						
94						
95						
96						
97						

TABLE 1.3 FY 199 _ BREAKOUT OF FUNDS BUDGETED for NAWC OPEN WATER FACILITY, ORELAND, PA (UNDER NAWCAD WARMINSTER'S UIC 62269)

(UIC N/A)

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
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

NOTE: THE ORELAND QUARRY HAS NO FUNDING OR WORKYEARS ASSOCIATED SPECIFICALLY WITH THE FACILITY. THE FACILITY IS ONE SMALL ASSET OF THE NAVAL AIR WARFARE CENTER, AIRCRAFT DIVISION, WARMINSTER.

**TABLE 1.4 FY 199_ BREAKOUT OF FUNDS BUDGETED for DETACHMENTS of NAWC.OPEN WATER FACILITY, ORELAND, PA
(UNDER NAWCAD WARMINSTER'S UIC 62269)**

(UIC N/A)

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
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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 NAWC OPEN WATER FACILITY, ORELAND, PA
(UNDER NAWCAD WARMINSTER'S UIC 62269)**

(UIC N/A)

Building type	NAVFAC (P-80) category code	Gross Floor/Building Area (KSF)			
		Adequate	Sub-standard	In-adequate	Total
Operational & Training	100	1.2			1.2
Maintenance & Production	200				
Science labs	310				
Aircraft labs	311	24.9			24.9
Missile and Space labs	312				
Ship and Marine labs	313	36.7			36.7
Ground Transportation labs	314				
Weapon and Weapon Systems labs	315				
Ammunition, Explosives, & Toxics labs	316				
Electrical Equip. labs	317	16.1			16.1
Propulsion labs	318				
Miscellaneous labs	319				
Underwater Equip. labs	320	18.0			18.0
Technical Services labs	321				
Supply Facilities	400				
Hospital & other Medical	500				
Administrative Facilities	600	12.2			12.2
Housing & Community *	700	1.7			1.7
Utilities & Grounds	800	2.6			2.6
Other					
Totals		113.4			113.4

NOTE: THE NAWC OPEN WATER FACILITY, ORELAND, PA IS A FIXED FACILITY. THE SITE ITSELF, I.E., A FLOODED QUARRY WITH A WATER DEPTH OF 65 FT., IS INTEGRAL TO THE FACILITY. THE NAVY PURCHASED THE PROPERTY IN THE LATE 80'S FOR APPROXIMATELY \$750K. THE MAIN BUILDING IS A FLOATING TEST FACILITY THAT WAS A MODULAR PREFAB ERECTED AT THE SITE IN THE 60'S.

***MWR Building used for storage.**

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

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

Not Applicable

Table 2.2 Main Site Class 2 Space of NAWC OPEN WATER FACILITY, ORELAND, PA

(UIC N/A)

Assigned to Tenants

TENANT		NAVFAC (P-80) Category Code	GF/BA Assigned (KSF)
Name	UIC		
N/A	N/A	N/A	N/A
		Total:	

Table 2.3 Class 2 Space Utilized/Leased by NAWC OPEN WATER FACILITY, ORELAND, PA**(UIC N/A)****This chart does not apply to NAWC Open Water Facility, Oreland, PA.**

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					

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 NAWC OPEN WATER FACILITY, ORELAND, PA
Occupied by Detachments**

This chart does not apply to NAWC Open Water Facility, Oreland, PA.

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					

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

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

Not Applicable

Table 2.5 Class 2 Space at Detachment Sites of NAWC OPEN WATER FACILITY, ORELAND, PA

(UIC N/A)

Assigned to Tenants

TENANT		NAVFAC (P-80) Category Code	GF/BA (KSF) Assigned
Name	UIC		
N/A	N/A	N/A	N/A
		Total:	

Table 2.6 Class 2 Space Utilized/Leased by Detachments of NAWC OPEN WATER FACILITY, ORELAND, PA

(UIC N/A)

This chart does not apply to NAWC Open Water Facility, Oreland, PA.

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					

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

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. 15K SQFT.

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

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 NAWC OPEN WATER FACILITY, ORELAND, PA

(UIC N/A)

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		
N/A	N/A	N/A	N/A	N/A	N/A
Totals					

The main laboratory building is a floating prefab structure which would not be cost effective to expand. Other structures are built into the side of the quarry and again expansion is not feasible.

Table 3.2 Unconstrained Class 2 Space Available for Expansion at NAWC OPEN WATER FACILITY, ORELAND, PA

(UIC N/A)

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		
300	N/A	15	N/A	N/A	N/A
Totals		15			

Approximately 4 acres of the 14 acres is available for development. The remaining 10 acres is encumbered by water, unstable embankments and irregular shape which severely restricts efficient uses.

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?

No

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

N/A

Class 1 Resources of NAWC OPEN WATER FACILITY

(UIC: N/A)

Site Location: ORELAND, PA

Land Use	Total Acres	Developed Acreage	Available for Development	
			Restricted	Unrestricted
Maintenance	N/A	N/A	N/A	N/A
Operational				
Training				
R & D	14	8	2	4
Supply & Storage				
Admin				
Housing				
Recreational				
Navy Forestry Program				
Navy Agricultural Outlease Program				
Hunting/Fishing Programs				
Other				
Total:	14	8	2	4

d. Of the total Unrestricted Acres reported above, how much of it has existing roads and/or utilities that could support expansion efforts? all Acres. Explain. **The Open Water Facility is supported by public utilities and services and has easy access to existing public roads.**

THE OWF IS A FIXED FACILITY. THE SITE ITSELF, I.E., A FLOODED QUARRY WITH A WATER DEPTH OF 65 FT., IS INTEGRAL TO THE FACILITY. THE MAIN BUILDING IS A FLOATING TEST FACILITY THAT WAS A MODULAR PREFAB ERECTED AT THE SITE IN THE 60'S. THIS FACILITY IS OFF SITE AND REQUIRES STANDARD PUBLIC UTILITY SERVICE. THE NATURE OF THE FACILITY REQUIRES THAT IT BE LOCATED ON A SUBSTANTIALLY LARGE, BENIGN, AND ACOUSTICALLY QUIET BODY OF WATER.

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)	.2	N/A	N/A	N/A
Natural Gas (CFH)	none	N/A	N/A	N/A
Sewage (GPD)	none	N/A	N/A	N/A
Potable Water (GPD)	unknown	N/A	N/A	N/A
Steam (PSI & lbm/Hr)	unknown	N/A	N/A	N/A
Long Term Parking	630 sq. ft.	N/A	N/A	N/A
Short Term Parking	N/A	N/A	N/A	N/A

Note: The facility is one small asset of NAWCAD WARMINSTER. This facility is off site and requires standard public utility service.

The Annual Operating Cost are funded in NAWCAD Warminster's Public Works Budget as follows:

\$12,000 Electricity
 \$ 2,000 Ground Maintenance & Snow Removal
 \$ 1,000 Telephones

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 NAWC OPEN WATER FACILITY, ORELAND, PA**

(UIC: N/A)

Fiscal Year	MRP (\$M)	CPV (\$M)	ACE (\$M)
1985	0	3.0	3.0
1986	0	3.0	3.0
1987	0.000	.500	1.250
1988	0.000	.500	1.250
1989	0.000	.500	1.250
1990	0.000	.500	1.250
1991	0.000	.500	1.250
1992	.104	.500	1.250
1993	0.000	.500	1.250
1994	0.000	.500	1.250
1995	0.000	.500	1.250
1996	0.000	.500	1.250
1997	0.000	.500	1.250

c. Training Facilities:

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

Type of Training Facility/CCN	School	Type of Training	FY 1993 Requirements			FY 2001 Requirements		
			A	B	C	A	B	C
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Note: The Oreland Quarry has no funding or workyears associated specifically with the facility.

A = STUDENTS PER YEAR

B = NUMBER OF HOURS EACH STUDENT SPENDS IN THIS TRAINING FACILITY FOR THE TYPE OF TRAINING RECEIVED

C = A x B

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

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

Type Training Facility/CCN	Total Number	Design Capacity (PN) ¹	Capacity (Student HRS/YR)
N/A	N/A	N/A	N/A

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

N/A

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

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

N/A

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

N/A

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

N/A

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.

N/A

DATA CALL 4
NAWC AIRCRAFT DIVISION
ORELAND, PA

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

NEXT ECHELON LEVEL (if applicable)

BARTON D. STRONG, RADM, USN

NAME (Please type or print)

COMMANDER

Title

NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION

Activity

Barton D. Strong
Signature

28 June 1994
Date

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

NEXT ECHELON LEVEL (if applicable)

G. H. STROHSAHL, RADM, USN

NAME (Please type or print)

COMMANDER

Title

NAVAL AIR WARFARE CENTER

Activity

G. H. Strohsahl
Signature

5 July 94
Date

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

MAJOR CLAIMANT LEVEL

W. C. BOWES, VADM, USN

NAME (Please type or print)

COMMANDER

Title

NAVAL AIR SYSTEMS COMMAND

Activity

W. C. Bowes
Signature

8 JUL 92
Date

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

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

W. A. EARNER

NAME (Please type or print)

Title

W. A. Earner
Signature

7/20/94
Date

BRAC-95 CERTIFICATION
DATA CALL FOUR

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

WILLIAM L. MCCracken
NAME (Please type or print)


Signature

COMMANDING OFFICER
Title

7/6/94
Date

NAVAIRWARCENACDIVWAR
Activity